NewgenONE OmniDocs

Installation and Upgrade Guide

Version: 11.3

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Preface

This installation guide explains how to install NewgenONE OmniDocs 11.3 on Windows and Linux operating systems. This guide also describes procedures to uninstall, upgrade, and verify the successful installation of NewgenONE OmniDocs 11.3.

The NewgenONE OmniDocs 11.3 product documentation is available at the following locations:

- Newgen Internal Doc Portal – For Newgen employees.
- Newgen Partner Portal – For Newgen partners.

Revision history

Revision date	Description
July 2024	Initial publication

Intended audience

This installation guide is intended for IT system administrators who are responsible for deploying NewgenONE OmniDocs. The reader must be familiar with Microsoft Windows Server or Linux operating system, as required. The reader must also know about databases and running different application servers on Windows or Linux machines. The reader must have administrator rights to install NewgenONE OmniDocs and create a database cabinet.

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- Version
- Chapter, topic, or section
- Feedback or suggestionss

Best practices

This section describes the best practices that you must use for a fresh installation of NewgenONE OmniDocs 11.3 or upgrading an existing installation of NewgenONE OmniDocs to NewgenONE OmniDocs 11.3. Refer to the following best practices:

New Installation	Upgrade Installation
• The application server must be in stop mode before starting the installation. • Always use a fresh application server. • In the case of fresh installation with automatic cabinet creation and cloud database service, a blank schema on the database must be created.	• For versions prior to NewgenONE OmniDocs 11.0SP1, you must perform a fresh server setup. Subsequently, you can associate the cabinet with NewgenONE OmniDocs Service Administration (OSA) and upgrade. However, for NewgenONE OmniDocs 11.3, an upgrade can be performed on an existing server if version 10.1 or a later version is already installed. • The application server must be in stop mode before starting the installation. • NewgenONE OmniDocs utilities such as Wrapper, SMS, Alarm Mailer, Scheduler, Thumbnail Manager, and LDAP (if LDAP is installed on the application server) must be in stop mode. • Always take a backup of the application server folder and NewgenONE OmniDocs installation folder after stopping the server. The backup must be taken at some other place. • Take a backup of the database before applying the upgrade installation, if possible. • After applying the patch, start the application server and NewgenONE OmniDocs utilities again. • The NewgenONE OmniDocs cabinet must be registered after applying the OmniDocs11.0 SP2 upgrade.

The following are the limitations of the NewgenONE OmniDocs 11.3 deployment:

- This installation does not contain the cabinet rollback script. Hence, you must take a backup of the cabinets for the rollback of this release in the upgrade case.
- Deployment of NewgenONE OmniDocs on cluster environments must be done manually.

- Microsoft Azure Blob and Amazon S3 bucket are not supported with automatic cabinet creation. So, site association and volume creation for these storage services must be done manually.

Installing NewgenONE OmniDocs

This section covers the prerequisites and steps for installing NewgenONE OmniDocs 11.3 on Windows and Linux operating systems.

Depending on your application server, see the relevant section for installing NewgenONE OmniDocs 11.3.

Red Hat JBoss Enterprise Application Platform (JBoss EAP)
Oracle WebLogic Server
IBM WebSphere Application Server

Prerequisites

The following prerequisites are required before installing NewgenONE OmniDocs 11.3:

System Requirenments	Description
NewgenONE OmniDocs	An earlier version of NewgenONE OmniDocs must not be installed on the application server machine.
Supported JDK	The supported Java versions are: • JDK 11 • JDK 17 (Compatible with JBoss EAP 7.4.8 and later) Set the *JAVA_HOME* path as per the application server.
Supported operating system	• Windows ◦ Windows Server 2016 ◦ Windows Server 2019 ◦ Windows Server 2022 • Linux ◦ Red Hat Enterprise Linux 7.0 ◦ Red Hat Enterprise Linux 8.0 ◦ Red Hat Enterprise Linux 8.3

<table>
<tr><th>System Requirenments</th><th>Description</th></tr>
<tr><td>Supported versions</td><td>

JBoss EAP application server

JBoss EAP 7.4.10
JBoss EAP 7.4.12

WebLogic application server

WebLogic 12.2.1.4
WebLogic 14c

WebSphere application server

WebSphere 9.0.5.7 and 9.0.5.15 (Installed with IBM SDK 8)

</td></tr>
<tr><td rowspan="2">Supported database servers</td><td>
Microsoft SQL

Microsoft SQL 2019
Microsoft SQL 2022

Oracle

Oracle 18c
Oracle 19c

PostgreSQL

PostgreSQL 14.4
PostgreSQL 15.2

</td></tr>
<tr><td>
Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation on the Oracle database:

CREATE ANY PROCEDURE
CREATE ANY TYPE-- WITH ADMIN OPTION
CREATE TABLESPACE
CREATE USER
CREATE PROCEDURE -- WITH ADMIN OPTION
CREATE SEQUENCE -- WITH ADMIN OPTION
CREATE SESSION-- WITH ADMIN OPTION
CREATE TABLE-- WITH ADMIN OPTION
CREATE TRIGGER-- WITH ADMIN OPTION
CREATE VIEW-- WITH ADMIN OPTION
SELECT ANY DICTIONARY-- WITH ADMIN OPTION

In the case of Oracle RDS, the following additional rights are required

SELECT_CATALOG_ROL
EXECUTE_CATALOG_ROL
Execute permission on CTX_DDL package

A user must be created with the above permissions. A blank schema must be created for this user.
The Blank schema and user are used for cabinet creation.

</td></tr>
</table>

System Requirenments	Description
Administrative rights	• The installer must be run as an administrator. • Modify rights on the application server directory, NewgenONE OmniDocs installation directory, JDK directory, and Windows system folder must be there as files get copied and modified in these directories.
Others	• The installation folder and application server folder must be excluded from antivirus, antimalware, and scanning services. • For running the wrapper on the machine, ports 9999 and 3333 are open. JBoss EAP requires port 9996 in addition to 9999 and 3333. • For running SMS, ports 10000 and 900 are open.

Installing NewgenONE OmniDocs

This section describes the procedures to install NewgenONE OmniDocs 11.3 on the following application servers:

- Red Hat JBoss Enterprise Application Platform (JBoss EAP)
- Oracle WebLogic Server
- IBM WebSphere Application Server

Installing NewgenONE OmniDocs on JBoss EAP, WebLogic, and WebSphere

To install NewgenONE OmniDocs 11.3, perform the following steps:

1. Launch the NewgenONE OmniDocs 11.3 installer.
   For Windows, right-click *NewgenONEOmniDocs11.3.exe* and select **Run as administrator**. If prompted for installation confirmation, click **Yes**.
   When the setup application is fully loaded, the Introduction screen appears.
   Proceed to step 2.

For Linux, perform the following steps:

a. Open the terminal and go to the directory where the installation file is present.
b. Execute the following command to give full rights to the NewgenONEOmniDocs11.3.bin installer:

```
chmod 777 NewgenONEOmniDocs11.3.bin
```

c. Execute the following command to launch the Installer Graphical User Interface (GUI):

```
export LD_BIND_NOW=1
```

d. Execute the following command to launch the installer:

```
./NewgenONEOmniDocs11.3.bin
```

When the setup application is fully loaded, the Introduction screen appears.

2. Click **Next**. The License Agreement screen appears. Read the terms and conditions for using the software.
3. Select the **I accept the terms of the License Agreement** checkbox to agree with the terms.
4. Click **Next**. The Choose Install Type screen appears.
5. Select **Fresh Installation** option to perform a fresh installation of NewgenONE OmniDocs 11.3.
6. Click **Next**. The Prerequisites screen appears.
7. Select the respective checkboxes to confirm the following prerequisites are met:
   - An earlier version of NewgenONE OmniDocs must not be installed.
   - JDK 1.8.0_91 or later must be installed.
   - Application server must not be running.
   - Administrative rights must be available on the server machine.
8. Click **Next**. The Application Server screen appears.
9. Based on your requirement, select any of the following options:
   - Red Hat JBoss EAP
   - IBM WebSphere 9.x
   - Oracle WebLogic 14c

Installing NewgenONE OmniDocs on JBoss EAP

This section describes the installation of NewgenONE OmniDocs 11.3 on JBoss EAP.

If you are using the JBoss version 7.4.8 and later, and JDK version 17 and later, then go to the *<JBoss-home>\Bin* folder and execute the following file using command prompt:

```
jboss-cli.bat --file=<JBoss-home>\jboss-eap-7.4\docs\examples\enable-elytron-se17.cli
```

Here, <JBoss-home> refers to the JBoss application server home directory.

Installation steps

To install NewgenONE OmniDocs 11.3 on JBoss EAP, perform the following steps:

1. On the Application Server screen, select the **Red Hat JBoss EAP** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL
4. Click **Next**. The Automated Configuration screen appears.
5. Based on your requirement, select one of the following options:
    - **Automated Configuration Required** — To automate the following configurations:
        - Cabinet and data source creation
        - OmniDocs Site, Volume, and Label creation
        - OmniDocs cabinet registration process

      For automatic database creation, perform these substeps before proceeding to the main steps:

        i. On the Automated Configuration screen, select **Automated Configuration Required** and then click **Next**. The Secrets Manager Status screen appears.

ii. Select one of the following options based on your requirements:
- **Secret Manager Y** (Secrets manager is enabled) — If you have already configured anyone from Amazon Web Services (AWS) or Azure Secrets Manager and want to use it for storing user credentials.
  If AWS is configured, select the **Cloud server Region Name** and the local **Region Name**.
  If Azure is configured, specify the **Key VaultName** and **Secret Name**.
- **Secret Manager N** (Secrets manager is not enabled) — If you have not configured the AWS or Azure Secrets Manager or it is not required.

iii. Click **Next**. The ARN Details screen appears.

The ARN Details screen does not appear for the **Secret Manager N** option.

iv. Specify **Amazon Resource Name (ARN)** to allow the installer to access the configured AWS Secrets Manager.

v. Click **Next**. The Database Information screen appears. This screen varies as per the selected database server. For example, the MSSQL Database Information screen appears for Microsoft SQL Server.

The Database Details screen does not appear for the **Automated Configuration Not Required** option.

vi. Enter the database server details as described in the following table:

Fields	Description
Database Server IP	IP address or the server machine name of the database server. Example: • IP address:127.0.0.1 • Server machine name: od11_sp2
Database Server Username	Enter the username of the database server. Make sure that the username provided for the database server has administrative rights.
Database Server Password	Specify the password of the above-stated database user.

Fields	Description
Database Server Port	Port number of the specified database server. The default port number of SQL is 1433, PostgreSQL is 5432, and Oracle is 1521.
Cabinet Name	Enter the OmniDocs database cabinet name to be created on the database server. Make sure this cabinet name does not exist on the same database server that you are using for this installation.
Database Service Name	The service name of the Oracle database. This field appears only for the Oracle database.

vii. Click **Next**. The NewgenONE OmniDocs 11.3 Installation Path screen appears. Proceed to step 6.

An alert message appears if the specified database information is incorrect. In that case, click **OK** to close the dialog, enter the correct database information, and then click **Next**.

- **Automated Configuration Not Required** — If this option is selected, then you must perform the above configurations manually after installing NewgenONE OmniDocs.

6. From the NewgenONE OmniDocs 11.3 Installation Path screen choose a folder to save the NewgenONE OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse for and select a different location.

   Make sure there is no space between the characters of the selected path.

7. Click **Next**. The JBoss Home screen appears.
8. Click **Choose** to select the location where JBoss EAP is installed.
9. Click **Next**. The JBoss Port screen appears.
10. In the **Enter Port Detail** field, specify the port number of server machine where the NewgenONE OmniDocs 11.3 services is running.
11. Click **Next**. The Choose Java Home Path screen appears.
12. Click **Choose** to select the location where JDK is configured.
13. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
14. Click **Install**. The Installing NewgenONE OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The Start JBoss EAP Server dialog appears.

The Start JBoss EAP Server dialog does not appear for the **Automated Configuration Not Required** option.

15. Start the JBoss EAP application server and click **OK** to continue the deployment process.
    The JBoss EAP Server Status dialog appears.

    The JBoss EAP Server Status dialog does not appear for the **Automated Configuration Not Required** option.

16. Click **Yes** to confirm that the JBoss EAP application server has started.
    Once all the files are copied to the installation location, the Installation Complete screen appears.
17. Click **Done** to complete the installation.

    Check installation logs if the installation is complete with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
    <NewgenONE OmniDocs 11.3 installation folder>\Uninstall OmniDocs11.3\Logs
    If you have installed OmniDocs 11.3 using the Automated Cabinet Not Required option, then you must create the OmniDocs cabinet manually through OmniDocs Server Administration (OSA). Refer to the *NewgenONE OmniDocs 11.3 Service Administration Guide* for information on cabinet creation.
    Refer to the *NewgenONE OmniDocs 11.3 Configuration Settings Guide* for additional details on the configuration with respect to the application server.

Installing NewgenONE OmniDocs on Oracle WebLogic Server

This section describes the installation of NewgenONE OmniDocs 11.3 on Oracle WebLogic Server 14c.

Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation in the Oracle database:

- CREATE ANY PROCEDURE
- CREATE ANY TYPE-- WITH ADMIN OPTION
- CREATE TABLESPACE
- CREATE USER
- CREATE PROCEDURE -- WITH ADMIN OPTION
- CREATE SEQUENCE -- WITH ADMIN OPTION
- CREATE SESSION-- WITH ADMIN OPTION

- CREATE TABLE-- WITH ADMIN OPTION
- CREATE TRIGGER-- WITH ADMIN OPTION
- CREATE VIEW-- WITH ADMIN OPTION
- SELECT ANY DICTIONARY-- WITH ADMIN OPTION

Creating a domain with other JDK: Perform the following steps to create a domain with other JDK:

- At the time of creating a domain, there are two options for selecting JDK.
- Select **Other JDK** and click **Browse** to select the JDK path.

Installation steps

To install NewgenONE OmniDocs 11.3 on the Oracle WebLogic Server, perform the following steps:

1. On the Application Server screen, select the **Oracle WebLogic 14c** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL
4. Click **Next**. The Automated Configuration screen appears.
5. Based on your requirement, select one of the following options:
    - **Automated Configuration Required** — To automate the following configurations:
        - Cabinet and datasource creation
        - OmniDocs Site, Volume, and Label creation
        - OmniDocs cabinet registration process

      For automatic database creation, perform these substeps before proceeding to the main steps:

        i. On the Automated Configuration screen, select **Automated Configuration Required** and then click **Next**. The Secrets Manager Status screen appears.
        ii. Select one of the following options based on your requirements:

- **Secret Manager Y** (Secrets manager is enabled) — If you have already configured anyone from Amazon Web Services (AWS) or Azure Secrets Manager and want to use it for storing user credentials.
  If AWS is configured, select the **Cloud server Region Name** and the local **Region Name**.
  If Azure is configured, specify the **Key VaultName** and **Secret Name**.
- **Secret Manager N** (Secrets manager is not enabled) — If you have not configured the AWS or Azure Secrets Manager or it is not required.

iii. Click **Next**. The ARN Details screen appears.

> The ARN Details screen does not appear for the **Secret Manager N** option.

iv. Specify **Amazon Resource Name (ARN)** to allow the installer to access the configured AWS Secrets Manager.

v. Click **Next**. The Database Information screen appears. This screen varies as per the selected database server. For example, the MSSQL Database Information screen appears for Microsoft SQL Server.

> The Database Details screen does not appear for the **Automated Configuration Not Required** option.

vi. Enter the database server details as described in the following table:

Field	Description
Database Server IP	IP address or the server machine name of the database server. Example: • IP address:127.0.0.1 • Server machine name: od11_sp2
Database Server Username	Enter the username of the database server. Make sure that the username provided for the database server has administrative rights.
Database Server Password	Specify the password of the above-stated database user.
Database Server Port	Port number of the specified database server. The default port number of SQL is 1433, PostgreSQL is 5432, and Oracle is 1521.

Field	Description
Cabinet Name	Enter the OmniDocs database cabinet name to be created on the database server. Make sure this cabinet name does not exist on the same database server that you are using for this installation.
Database Service Name	The service name of the Oracle database. This field appears only for the Oracle database.

vii. Click **Next**. The NewgenONE OmniDocs 11.3 Installation Path screen appears. Proceed to step 6.

An alert message appears if the specified database information is incorrect. In that case, click **OK** to close the dialog, enter the correct database information, and then click **Next**.

- **Automated Configuration Not Required** — If this option is selected, then you must perform the above configurations manually after installing OmniDocs.

6. From the NewgenONE OmniDocs 111.3 Installation Path screen choose a folder to save the NewgenONE OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse for and select a different location.

Make sure there is no space between the characters of the selected path.

7. Click **Next**. The Specify WebLogic Path screen appears.
8. Click **Choose** to select the location where WebLogic is installed.
9. Click **Next**. The Specify WebLogic Domain Name screen appears.
10. Specify the WebLogic domain name.
11. Click **Next**. The Specify WebLogic Domain Path screen appears.
12. Click **Choose** to select the WebLogic domain path.
13. Click **Next**. A dialog regarding the WebLogic domain appears.
    Make sure that the selected WebLogic domain is created on JDK 1.8 or later.
14. Click **Continue** to proceed. The Get WebLogic Server User Name screen appears.
15. Enter your WebLogic Admin console username.
16. Click **Next**. The Get WebLogic Server Password screen appears.
17. Enter your WebLogic Admin console password.
18. Click **Next**. The Set Target Server screen appears.
19. Select one of the following options:
    - Admin server — To deploy OmniDocs on a standalone server.

- Managed server — To deploy OmniDocs on a managed server or a cluster environment. For the managed server, enter the name of the already created managed server.

> The installer deploys the product components on one managed server. For the rest of the managed servers, you must do manual configuration

20. Click **Next**. The WebLogic App Server Port screen appears.
21. Enter the JNDI port information of the WebLogic application server.
    - If the Target Server is set to Admin server, then enter the **server port number** of Oracle WebLogic.
    - If the Target Server is set to the Managed server, then enter both the **Admin server port** and **Managed server port** on which the product components must be deployed.
22. Click **Next**. The Choose Java Home Path screen appears.
23. Click **Choose** to select the location where JDK is configured.
24. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
25. Click **Install**. The Installing NewgenONE OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The Start WebLogic Server dialog appears.
26. Start the WebLogic application server and then click **OK** to continue the deployment process.
    The WebLogic Server Status dialog appears.
27. Click **Yes** to confirm that the WebLogic application server has started.
    Once all the files are copied to the installation location, the Install Complete screen appears.
28. Click **Done** to complete the installation.

> Check installation logs if the installation completes with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
> *<NewgenONE OmniDocs 11.3 installation folder>\Uninstall NewgenONEOmniDocs11.3\Logs*
> If you have installed NewgenONE OmniDocs 11.3 using the Automated Cabinet Not Required option, then you must create the OmniDocs cabinet manually through OmniDocs Server Administration (OSA). Refer to the *NewgenONE OmniDocs 11.3 Service Administration Guide* for information on cabinet creation.
> Refer to the *NewgenONE OmniDocs 11.3 Configuration Settings Guide* for additional details on the configuration with respect to the application server.

Installing NewgenONE OmniDocs on IBM WebSphere Application Server

This section describes the installation of NewgenONE OmniDocs 11.3 on IBM WebSphere Application Server 9.x.

Creating WebSphere secure profile

To create a WebSphere secure profile, perform the following steps:

1. Sign in to WebSphere Integrated Solutions Console.
2. Under Servers, expand **Server Types** and select **WebSphere application servers**. The Application Servers screen appears.
3. Click **server1**. The Global security screen appears.
4. Click the **Configuration** tab.
5. In the Communications section, click **Ports**.
6. Change default values of the following Ports:

Field	Description
ORB_LISTENER_ADDRESS	0
SAS_SSL_SERVERAUTH_LISTENER_ADDRESS	0
CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS	0
CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS	0

7. Click **OK** and save the changes made to the configuration.
8. Under Security, click **Global security**. The Global security screen appears.
9. Expand **RMI/IIOP security option**. Make the following changes for both **CSIv2 inbound communications** and **CSIv2 outbound communications**.
10. Click **Transport** and select the **SSL-supported** option.
11. Click **OK**.
12. Save the changes made to the configuration.
13. Restart the WebSphere application server.

Installation steps

Before starting the installation process, perform the following steps:

1. Go to the WebSphere Application Server's profile.
2. Open the *properties* folder.
3. Open the *soap.client.props* file in a text editor.
4. Change the value of *com.ibm.SOAP.requestTimeout* from 180 to 1000.
5. Save the property file and restart WebSphere Application Server.
6. In the WebSphere Integrated Solutions Console, under Additional Properties, click **Custom Properties** and add the following properties
    - *com.ibm.ws.cdi.enableImplicitBeanArchives=fals*
    - *com.ibm.ws.cdi.enableCDI=false*

> Refer to the **WebSphere Configuration for HCP and Amazon Sites** section of *NewgenONE OmniDocs 11.3 Configuration Settings Guide* to configure WebSphere Application Server for HCP and Amazon sites.

To install NewgenONE OmniDocs 11.3 on IBM WebSphere Application Server 9.x, perform the following steps:

1. On the Application Server screen, select the **IBM WebSphere 9.x** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL
4. Click Next. The Automated Configuration screen appears.
5. Based on your requirement, select one of the following options:
    - **Automated Configuration Required** — To automate the following configurations:
        - Cabinet and datasource creation
        - OmniDocs Site, Volume, and Label creation
        - OmniDocs cabinet registration process

      For automatic database creation, perform these substeps before proceeding to the main steps:

i. On the Automated Configuration screen, select **Automated Configuration Required** and then click **Next**. The Secrets Manager Status screen appears.

ii. Select one of the following options based on your requirements:

- **Secret Manager Y** (Secrets manager is enabled) — If you have already configured anyone from Amazon Web Services (AWS) or Azure Secrets Manager and want to use it for storing user credentials.
  If AWS is configured, select the **Cloud server Region Name** and the local **Region Name**.
  If Azure is configured, specify the **Key VaultName** and **Secret Name**.
- **Secret Manager N** (Secrets manager is not enabled) — If you have not configured the AWS or Azure Secrets Manager or it is not required.

iii. Click **Next**. The ARN Details screen appears.

> The ARN Details screen does not appear for the **Secret Manager N** option.

iv. Specify **Amazon Resource Name (ARN)** to allow the installer to access the configured AWS Secrets Manager.

v. Click **Next**. The Database Information screen appears. This screen varies as per the selected database server. For example, the MSSQL Database Information screen appears for Microsoft SQL Server.

> The Database Details screen does not appear for the **Automated Configuration Not Required** option.

vi. Enter the database server details as described in the following table:

Field	Description
Database Server IP	IP address or the server machine name of the database server. Example: • IP address:127.0.0.1 • Server machine name: od11_sp2
Database Server Username	Enter the username of the database server. Make sure that the username provided for the database server has administrative rights.
Database Server Password	Specify the password of the above-stated database user.

Field	Description
Database Server Port	Port number of the specified database server. The default port number of SQL is 1433, PostgreSQL is 5432, and Oracle is 1521.
Cabinet Name	Enter the OmniDocs database cabinet name to be created on the database server. Make sure this cabinet name does not exist on the same database server that you are using for this installation.
Database Service Name	The service name of the Oracle database. This field appears only for the Oracle database.

vii. Click **Next**. The NewgenONE OmniDocs 11.3 Installation Path screen appears. Proceed to step 6.

An alert message appears if the specified database information is incorrect. In that case, click **OK** to close the dialog, enter the correct database information, and then click **Next**.

- **Automated Configuration Not Required** — If this option is selected, then you must perform the above configurations manually after installing OmniDocs.

6. From the NewgenONE OmniDocs 11.3 Installation Path screen choose a folder to save the NewgenONE OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse for and select a different location.

Make sure there is no space between the characters of the selected path.

7. Click **Next**. The Choose WebSphere Path screen appears.
8. Click **Choose** and select the home directory of the WebSphere application server 9.x.
9. Click **Next**. The WebSphere Profile Details screen appears.
10. Enter the following details of the WebSphere Profile:

Field	Description
Profile name	Name of the WebSphere profile.
Profile path	Path of the entered WebSphere profile.
Secure profile	If the profile is secured, then select the **Secure Profile** checkbox and enter the Username and Password.

The selected WebSphere profile must be configured with SDK 1.7 or later. In the case, it is not configured with SDK 1.7 or later, an alert appears. Click **OK** to close the dialog. The installation gets aborted here itself.

11. Click **Next**. The WebSphere App Server Port screen appears.
12. Enter the JNDI port information of the WebSphere application server.
13. Click **Next**. The Choose Java Home Path screen appears.
14. Click **Choose** to select the location where JDK is configured.
15. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
16. Click **Install**. The Installing NewgenONE OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The Start WebSphere Application Server dialog appears.
17. Start the WebSphere application server and then click **OK** to continue the deployment process.
    The WebSphere Server Status dialog appears.
18. Click **Yes** to confirm that the WebSphere application server has started.
    Once all the files are copied to the installation location, the Install Complete screen appears.
19. Click Done to complete the installation.

Check installation logs if the installation completes with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
<NewgenONE OmniDocs 11.3 installation folder>\Uninstall NewgenONE OmniDocs11.3\Logs
If you have installed NewgenONE OmniDocs 11.3 using the Automated Cabinet Not Required option, then you must create the OmniDocs cabinet manually through OmniDocs Server Administration (OSA). Refer to the NewgenONE OmniDocs 11.3 Service Administration Guide for information on cabinet creation.
Refer to the NewgenONE OmniDocs 11.3 Configuration Settings Guide for additional details on the configuration with respect to the application server.

Uninstalling OmniDocs

This section describes the procedure to uninstall NewgenONE OmniDocs 11.3 from both Windows and Linux operating systems.

Uninstalling OmniDocs from JBoss EAP

Prerequisites:

The following prerequisites are required before uninstalling NewgenONE OmniDocs 11.3:

- The JBoss EAP application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To uninstall NewgenONE OmniDocs 11.3, perform the following steps:

1. Go to the folder where NewgenONE OmniDocs 11.3 is installed.
2. Open the *Uninstall NewgenONEOmniDocs11.3* folder.
3. Launch the uninstaller.
   For Windows, right-click *NewgenONEUninstallOmniDocs11.3.exe* and select **Run as administrator**. If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:

      ```
      export LD_BIND_NOW=1
      ```

   c. Execute the following command to launch the uninstaller:

      ```
      ./NewgenONEUninstallOmniDocs11.3
      ```

      When the uninstaller is launched, the Uninstall OmniDocs11.3 screen appears.
4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.
6. Click **Next**. The Remove Feature screen appears.
7. Click **Next**. The uninstaller removes the installed features of NewgenONE OmniDocs 11.3.
8. The Uninstall Complete screen appears once all the features of NewgenONE OmniDocs 11.3 are removed.
9. Click **Done** to complete the uninstallation and close the screen.

Uninstalling OmniDocs from WebLogic application server

Prerequisites:

The following prerequisites are required before uninstalling NewgenONE OmniDocs 11.3:

- The WebLogic application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To uninstall NewgenONE OmniDocs 11.3, perform the following steps:

1. Go to the folder where NewgenONE OmniDocs 11.3 is installed.
2. Open the *Uninstall OmniDocs11.3* folder.
3. Launch the uninstaller.
   For Windows, right-click *NewgenONEUninstallOmniDocs11.3.exe* and select **Run as administrator**.
   If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:
      ```
      export LD_BIND_NOW=1
      ```
   c. Execute the following command to launch the uninstaller:
      ```
      ./NewgenONEUninstallOmniDocs11.3
      ```
      When the uninstaller is launched, the Uninstall NewgenONE OmniDocs11.3 screen appears.
4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.
6. Click **Next**. The Start WebLogic Server dialog appears.
7. **Start** the WebLogic application server and then click **OK** to continue the un-deployment of NewgenONE OmniDocs 11.3. The WebLogic Server Status dialog appears.

8. Click **Yes** to confirm that the WebLogic application server has started. The Remove Features screen appears.
   This screen guides you to remove NewgenONE OmniDocs features.
9. Click **Next**. The Uninstall NewgenONE OmniDocs 11.3 screen appears.
   The uninstaller removes the installed features of NewgenONE OmniDocs 11.3.
   The Uninstall Complete screen appears.
10. Click **Done** to complete the uninstallation and close the screen.

Uninstalling OmniDocs from WebSphere application server

Prerequisites:

The following prerequisites are required before uninstalling OmniDocs 11.3:

- The WebSphere application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To uninstall OmniDocs 11.3, perform the following steps:

1. Go to the folder where NewgenONE OmniDocs 11.3 is installed.
2. Open the Uninstall *NewgenONEOmniDocs11.3* folder.
3. Launch the uninstaller.
   For Windows, right-click *NewgenONEUninstallOmniDocs11.3.exe* and select *Run as administrator*. If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:

      ```
      export LD_BIND_NOW=1
      ```

   c. Execute the following command to launch the uninstaller:

      ```
      ./NewgenOneUninstallOmniDocs11.3
      ```

      When the uninstaller is launched, the Uninstall OmniDocs 11.3 screen appears.

4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.
6. Click **Next**. The Start WebSphere Application Server dialog appears.
7. Start the WebSphere application server and then click **OK** to continue the un-deployment of NewgenONE OmniDocs 11.3. The WebSphere Server Status dialog appears.
8. Click **Yes** to confirm that the WebSphere application server has started. The Remove Features screen appears. This screen guides you to remove NewgenONE OmniDocs features.
9. Click **Next**. The Uninstall NewgenONE OmniDocs 11.3 screen appears.
   The uninstaller removes the installed features of NewgenONE OmniDocs 11.3.
   The Uninstall Complete screen appears.
10. Click **Done** to complete the uninstallation and close the screen.

Upgrading to OmniDocs 11.3

This section describes the procedures to upgrade an existing version of OmniDocs to NewgenONE OmniDocs 11.3 on the following application servers:

- Red Hat JBoss Enterprise Application Platform (JBoss EAP)
- Oracle WebLogic Server
- IBM WebSphere

Prerequisites

The following prerequisites are required before upgrading to NewgenONE OmniDocs 11.3:

System Requirements	Description
OmniDocs	The supported OmniDocs version that you can upgrade to OmniDocs 11.3 are as follows: • OmniDocs 11.0 SP1 • OmniDocs 11.0 SP1 Patch 1 • OmniDocs 11.0 SP1 Patch 3
OmniDocs services	OmniDocs services such as Alarm Mailer, OSA, Scheduler, SMS, and Thumbnail Manager must be in stop mode.

System Requirements	Description
Supported JDK	The supported Java versions are: • JDK 11 • JDK 17 (Compatible with JBoss EAP 7.4.8 and later) Set the *JAVA_HOME* path as per the application server.
Supported operating system	• Windows ◦ Windows Server 2016 ◦ Windows Server 2019 ◦ Windows Server 2022 • Linux ◦ Red Hat Enterprise Linux 7.0 ◦ Red Hat Enterprise Linux 8.0 ◦ Red Hat Enterprise Linux 8.3
Supported versions	• JBoss EAP application server ◦ JBoss EAP 7.4.10 ◦ JBoss EAP 7.4.12 • WebLogic application server ◦ WebLogic 12.2.1.4 ◦ WebLogic 14c • WebSphere application server ◦ WebSphere 9.0.5.7 and 9.0.5.15 (Installed with IBM SDK 8)
Supported database servers	Microsoft SQL • Microsoft SQL 2019 • Microsoft SQL 2022 Oracle • Oracle 18c • Oracle 19c PostgreSQL • PostgreSQL 14.4 • PostgreSQL 15.2

System Requirements	Description
	Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation on the Oracle database: • CREATE ANY PROCEDURE • CREATE ANY TYPE-- WITH ADMIN OPTION • CREATE TABLESPACE • CREATE USER • CREATE PROCEDURE -- WITH ADMIN OPTION • CREATE SEQUENCE -- WITH ADMIN OPTION • CREATE SESSION-- WITH ADMIN OPTION • CREATE TABLE-- WITH ADMIN OPTION • CREATE TRIGGER-- WITH ADMIN OPTION • CREATE VIEW-- WITH ADMIN OPTION • SELECT ANY DICTIONARY-- WITH ADMIN OPTION • In the case of Oracle RDS, the following additional rights are required: ◦ SELECT_CATALOG_ROLE ◦ EXECUTE_CATALOG_ROLE ◦ Execute permission on CTX_DDL package • A user must be created with the above permissions. A blank schema must be created for this user. The Blank schema and user are used for cabinet creation.
Administrative rights	• The installer must be run as an administrator. • Modify rights on the application server directory, OmniDocs installation directory, JDK directory, and Windows system folder must be there as files get copied and modified in these directories.
Others	• The installation folder and application server folder must be excluded from antivirus, antimalware, and scanning services. • For running the wrapper on the machine, ports 9999 and 3333 are open. JBoss EAP requires port 9996 in addition to 9999 and 3333. • For running SMS, ports 10000 and 900 are open.

Upgrading OmniDocs

To upgrade an existing version of OmniDocs to OmniDocs 11.3 on different application servers, perform the following steps:

1. Launch the OmniDocs 11.3 installer.
   For Windows, right-click *NewgenONEOmniDocs11.3.exe* and select **Run as administrator**. If prompted for uninstallation confirmation, click **Yes**.
   When the setup application is fully loaded, the Introduction screen appears. Proceed to step 2.

   For Linux, perform the following steps:
   a. Open the terminal and go to the directory where the installation file is present.
   b. Execute the following command to give full rights to the *OmniDocs11.3.bin* installer:

      ```
      chmod 777 OmniDocs11.3.bin
      ```

   c. Execute the following command to launch the Installer Graphical User Interface (GUI):

      ```
      export LD_BIND_NOW=1
      ```

   d. Execute the following command to launch the installer:

      ```
      ./OmniDocs11.3.bin
      ```

      When the setup application is fully loaded, the Introduction screen appears. Proceed to step 2.
2. Click **Next**. The License Agreement screen appears. Read the terms and conditions for using the software.
3. Select the **I accept the terms of the License Agreement** checkbox to agree with the terms.
4. Click **Next**. The Choose Install Type screen appears.

   For windows, OmniDocs Server dialog appears as a warning. Click **Continue** to proceed with the upgradation.

5. Select **Upgrade Installation** option to perform upgradation of OmniDocs 11.3.
6. Click **Next**. If an earlier version of OmniDocs is not installed, the OmniDocs 11.3 dialog appears.
   It alerts you that an earlier version of OmniDocs is not present.

7. Install an earlier version of OmniDocs or click **Continue** to proceed.
8. Select the respective checkboxes to confirm the following prerequisites are met:
    - An earlier version of OmniDocs must be installed.
    - JDK 1.8.0_91 or later must be installed.
    - Application server must not be running.
    - OmniDocs services such as Wrapper, SMS, and more must not be running.
    - Administrative rights must be available on the server machine.
9. Click **Next**. The Application Server screen appears.
10. Based on your requirement, select any of the following options:
    - Red Hat JBoss EAP
    - IBM WebSphere 9.x
    - Oracle WebLogic 14c

Upgrading OmniDocs on JBoss EAP

This section describes the procedures to upgrade to OmniDocs 11.3 on JBoss EAP.

If you are using the JBoss version 7.4.8 and later, and JDK version 17 and later, then go to the *<JBoss-home>\Bin* folder and execute the following file using command prompt:

```
jboss-cli.bat --file=<JBoss-home>\jboss-eap-7.4\docs\examples\enable-elytron-se17.cli
```

Here, <JBoss-home> refers to the JBoss application server home directory.

Upgrade steps

To upgrade OmniDocs on JBoss EAP, perform the following steps:

1. On the Application Server screen, select the **Red Hat JBoss EAP** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL

The selected database server must match the existing installation.

4. Click **Next**. The Wrapper Path screen appears.
5. Click **Choose** and select the path of the *Wrapper* folder of the OmniDocs base version.
6. Click **Next**. The Common Services for J2EE Path screen appears.
7. Click **Choose** and select the path of the *Common Services for J2EE* folder of the OmniDocs base version.
8. Click **Next**. The OmniDocs 11.3 Installation Path screen appears.
9. Choose a folder to save the OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse and select a different location.

   Make sure there is no space between the characters of the selected path.

10. Click **Next**. The JBoss Home screen appears.
11. Click **Choose** to select the location where JBoss EAP is installed.
12. Click **Next**. The JBoss Port screen appears.
13. Enter the JNDI Port information of JBoss EAP.
14. Click **Next**. The OmniDocs Cabinet Existence screen appears.
15. Select one of the following options:
    - **OmniDocs cabinet exist** — If the OmniDocs cabinet is already created and associated with the installed version.
      If the OmniDocs cabinet exists, then enter **OmniDocs Cabinet Name**.
    - **OmniDocs cabinet does not exist** — If the installed OmniDocs version does not have a cabinet.
16. Click **Next**. The Choose Java Home Path screen appears.
17. Click **Choose** to select the location where JDK is configured.
18. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
19. Click **Install**. The Installing OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The backup script gets executed to take a backup of the base version. The backup is saved in a folder named Backup in OmniDocs 11.3 installation folder.
    Once all the files are copied to the installation location, the Install Complete screen appears.
20. Click **Done** to complete the installation.

    Check installation logs if the installation completes with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal

errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
<OmniDocs 11.3 installation folder>\Uninstall OmniDocs11.3\Logs

21. Compare eworkstyle.ini file entry in *<AppServer_Home_path>\bin\ngdbini\odwebini\eworkstyle.ini* and *<AppServer_Home_path>\bin\ngdbini\Custom\<cabinet_name>\eworkstyle.ini* files with *<OmniDocs 11.3_Install_Location>\eworkstyle.ini* file. If any entry is missing from the first two files, then the same must be updated from *<OmniDocs 11.3_Install_Location>\eworkstyle.ini* file.

For upgrading the cabinet, refer to the *NewgenONE OmniDocs 11.3* Service Administration Guide.

Upgrading OmniDocs on Oracle WebLogic Server

This section describes the procedures to upgrade to OmniDocs 11.3 on Oracle WebLogic Server 14c.

Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation in the Oracle database:

- CREATE ANY PROCEDURE
- CREATE ANY TYPE-- WITH ADMIN OPTION
- CREATE TABLESPACE
- CREATE USER
- CREATE PROCEDURE -- WITH ADMIN OPTION
- CREATE SEQUENCE -- WITH ADMIN OPTION
- CREATE SESSION-- WITH ADMIN OPTION
- CREATE TABLE-- WITH ADMIN OPTION
- CREATE TRIGGER-- WITH ADMIN OPTION
- CREATE VIEW-- WITH ADMIN OPTION
- SELECT ANY DICTIONARY-- WITH ADMIN OPTION

Creating a domain with other JDK: Perform the following steps to create a domain with other JDK:

1. At the time of creating a domain, there are two options for selecting JDK.
2. Select **Other JDK** and click **Browse** to select the JDK path.

Upgrade steps

To upgrade OmniDocs on Oracle WebLogic Server, perform the following steps:

1. On the Application Server screen, select the **Oracle WebLogic 14c** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL

    The selected database server must match the existing installation.
4. Click **Next**. The Wrapper Path screen appears.
5. Click **Choose** and select the path of the Wrapper folder of the OmniDocs base version.
6. Click **Next**. The Common Services for J2EE Path screen appears.
7. Click **Choose** and select the path of the Common Services for *J2EE* folder of the OmniDocs base version.
8. Click **Next**. The OmniDocs 11.3 Installation Path screen appears.
9. Choose a folder to save the OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse and select a different location.

    Make sure there is no space between the characters of the selected path.
10. Click **Next**. The Specify WebLogic Path screen appears.
11. Click **Choose** and select the home directory of the WebLogic 14c application server.
12. Click **Next**. The Specify WebLogic Domain Name screen appears.
13. Enter the **WebLogic Domain Name**.
14. Click **Next**. The Specify WebLogic Domain Path screen appears.
15. Click **Choose** and select the WebLogic domain path.

16. Click **Next**. A dialog regarding the WebLogic domain appears.
    Make sure that the selected WebLogic domain is created on JDK 1.8 or later.
17. Click **Continue** to proceed. The Get WebLogic Server User Name screen appears.
18. Enter your **WebLogic Admin console username**.
19. Click **Next**. The Get WebLogic Server Password screen appears.
20. Enter your **WebLogic Admin console password**.
21. Click **Next**. The Set Target Server screen appears.
22. Select one of the following options:
    - **Admin server** — To deploy OmniDocs on a standalone server.
    - **Managed server** — To deploy OmniDocs on a managed server or a cluster environment. For the managed server, enter the name of the already created managed server.

    > The installer deploys the product components on one managed server. For the rest of the managed servers, you must do manual configuration.

23. Click **Next**. The WebLogic App Server Port screen appears.
24. Enter the JNDI port information of the WebLogic application server.
    - If the Target Server is set to Admin server, then enter the **server port number** of Oracle WebLogic.
    - If the Target Server is set to the Managed server, then enter both the **Admin server port** and **Managed server port** on which the product components must be deployed.
25. Click **Next**. The OmniDocs Cabinet Existence screen appears.
26. Select one of the following options:
    - **OmniDocs cabinet exist** — If the OmniDocs cabinet is already created and associated with the installed version.
      If the OmniDocs cabinet exists, then enter the **OmniDocs Cabinet Name**.
    - **OmniDocs cabinet does not exist** — If the installed OmniDocs version does not have a cabinet.
27. Click **Next**. The Choose Java Home Path screen appears.
28. Click **Choose** to select the location where JDK is configured.
29. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
30. Click **Install**. The Installing OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The backup script gets executed to take a backup of the base version. The backup is saved in a folder named *Backup* in OmniDocs 11.3 installation folder.
    The Start WebLogic Server dialog appears.

31. Start the WebLogic application server and then click **OK** to continue the deployment process.
    The WebLogic Server Status dialog appears.
32. Click **Yes** to confirm that the WebLogic application server has started.
    Once all the files are copied to the installation location, the Install Complete screen appears.
33. Click **Done** to complete the installation.

    Check installation logs if the installation completes with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
    <OmniDocs 11.3 installation folder>\Uninstall OmniDocs11.3\Logs

34. Compare eworkstyle.ini file entry in *<AppServer_Home_path>\bin\ngdbini\odwebini\eworkstyle.ini* and *<AppServer_Home_path>\bin\ngdbini\Custom\<cabinet_name>\eworkstyle.ini* files with *<OmniDocs 11.3_Install_Location>\eworkstyle.ini* file. If any entry is missing from the first two files, then the same must be updated from *<OmniDocs 11.3_Install_Location>\eworkstyle.ini* file.

    For upgrading the cabinet, refer to the *NewgenONE OmniDocs 11.3 Service Administration Guide*.

Upgrading OmniDocs on IBM WebSphere application server

This section describes the procedures to upgrade to OmniDocs 11.3 on IBM WebSphere application server 9.x.

Creating WebSphere secure profile

For creating a WebSphere secure profile, refer to the section Creating WebSphere secure profile.

Upgrade steps

Before starting the installation process, perform the following steps:

1. Go to the WebSphere Application Server's profile.
2. Open the *properties* folder.
3. Open the *soap.client.props* file in a text editor.
4. Change the value of *com.ibm.SOAP.requestTimeout* from 180 to 1000.
5. Save the property file and restart WebSphere application server.

Refer to the **WebSphere Configuration for HCP and Amazon Sites** section of *NewgenONE OmniDocs 11.3 Configuration Settings Guide* to configure WebSphere application server for HCP and Amazon sites.

To upgrade OmniDocs to OmniDocs 11.3 on IBM WebSphere application server 9.x, perform the following steps:

1. On the Application Server screen, select the **IBM WebSphere 9.x** option.
2. Click **Next**. The Database Server screen appears.
3. Select the required database server from the following options:
    - Microsoft SQL Server
    - Microsoft Azure
    - Oracle
    - PostgreSQL

    The selected database server must match the existing installation.
4. Click **Next**. The Wrapper Path screen appears.
5. Click **Choose** and select the path of the *Wrapper* folder of the OmniDocs base version.
6. Click **Next**. The Common Services for J2EE Path screen appears.
7. Click **Choose** and select the path of the *Common Services for J2EE* folder of the OmniDocs base version.
8. Click **Next**. The OmniDocs 11.3 Installation Path screen appears.
9. Choose a folder to save the OmniDocs 11.3 installation. You can keep the default installation folder for the product or click **Choose** to browse and select a different location.

    Make sure there is no space between the characters of the selected path.

10. Click **Next**. The Choose WebSphere Path screen appears.
11. Click **Choose** and select the home directory of the WebSphere application server 9.x.
12. Click **Next**. The WebSphere Profile Details screen appears.
13. Enter the following details of the WebSphere Profile:

Field	Description
Profile name	Name of the WebSphere profile.
Profile path	Path of the entered WebSphere profile.
Secure profile	If the profile is secured, then select the **Secure Profile** checkbox and enter the Username and Password.

The selected WebSphere profile must be configured with SDK 1.7 or later. In the case, it is not configured with SDK 1.7 or later, an alert appears. Click **OK** to close the dialog. The installation gets aborted here itself.

14. Click **Next**. The WebSphere App Server Port screen appears.
15. Enter the JNDI port information of the WebSphere application server.
16. Click **Next**. The OmniDocs Cabinet Existence screen appears.
17. Select one of the following options:
    - **OmniDocs cabinet exist** — If the OmniDocs cabinet is already created and associated with the installed version.
      If the OmniDocs cabinet exists, then enter the **OmniDocs Cabinet Name**.
    - **OmniDocs cabinet does not exist** — If the installed OmniDocs version does not have a cabinet.
18. Click **Next**. The Choose Java Home Path screen appears.
19. Click **Choose** to select the location where JDK is configured.
20. Click **Next**. The Pre-Installation Summary screen appears. Review the pre-installation summary before you proceed to the next step.
21. Click **Install**. The Installing OmniDocs 11.3 screen appears. It shows the progress of the installation.
    The backup script gets executed to take a backup of the base version. The backup is saved in a folder named *Backup* in OmniDocs 11.3 installation folder.
    Once all the files are copied to the installation location, the Install Complete screen appears.
    The Start WebSphere Application Server dialog appears.

22. Start the WebSphere application server and then click **OK** to continue the deployment process.
    The WebSphere Server Status dialog appears.
23. Click **Yes** to confirm that the WebSphere application server has started.
    Once all the files are copied to the installation location, the Install Complete screen appears.
24. Click **Done** to complete the installation.

    Check installation logs if the installation completes with some errors. The log file provides information on the installation status as well as the count and details of successful actions, warnings, non-fatal errors, and fatal errors that occurred during the installation. The installation log file is located at the following path:
    <OmniDocs 11.3 installation folder>\Uninstall OmniDocs11.3\Logs

25. Compare eworkstyle.ini file entry in *<AppServer_Home_path>\bin\ngdbini\odwebini\eworkstyle.ini* and *<AppServer_Home_path>\bin\ngdbini\Custom\<cabinet_name>\eworkstyle.ini* files with *<OmniDocs 11.3_Install_Location>\eworkstyle.ini* file. If any entry is missing from the first two files, then the same must be updated from *<OmniDocs 11.3_Install_Location>\eworkstyle.ini file*.

    For upgrading the cabinet, refer to the *NewgenONE OmniDocs 11.3 Service Administration Guide.*

Rolling-back or uninstallation of OmniDocs upgrade

The OmniDocs uninstaller allows you to roll back OmniDocs 11.3 upgrade to the previously installed version. When you upgrade OmniDocs from an earlier version to OmniDocs 11.3, the installer takes a backup of the base version. The backup, in turn, is used to reinstate the base version.

Rolling-back when upgraded on JBoss EAP

Prerequisites:

The following prerequisites are required before rolling-back OmniDocs 11.3:

- The JBoss EAP application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To roll-back the upgrade installation of OmniDocs, perform the following steps:

1. Go to the folder where OmniDocs 11.3 is installed.
2. Open the *Uninstall OmniDocs11.3* folder.
3. Launch the OmniDocs 11.3 uninstaller.
   For Windows, right-click *UninstallOmniDocs11.3.exe* and select **Run as administrator**. If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:

   ```
   export LD_BIND_NOW=1
   ```

   c. Execute the following command to launch the uninstaller:

   ```
   ./UninstallOmniDocs11.3
   ```

   When the uninstaller is launched, the Uninstall OmniDocs11.3 screen appears.
4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.
6. Click **Uninstall**. The uninstallation begins. The roll back script gets executed to reinstate the base version.
   On completion of the rollback, the installed features of OmniDocs 11.3 get removed.
   The Uninstall Complete screen appears once all the features of OmniDocs 11.3 are removed.
7. Click **Done** to complete the uninstallation and close the screen.

Rolling-back when upgraded on WebLogic application server

Prerequisites:

The following prerequisites are required before rolling-back OmniDocs 11.3:

- The WebLogic application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To roll-back the upgrade installation of OmniDocs, perform the following steps:

1. Go to the folder where OmniDocs 11.3 is installed.
2. Open the *Uninstall OmniDocs11.3* folder.
3. Launch the OmniDocs 11.3 uninstaller.
   For Windows, right-click *UninstallOmniDocs11.3.exe* and select **Run as administrator**. If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, Perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:
   ```
   export LD_BIND_NOW=1
   ```
   c. Execute the following command to launch the uninstaller:
   ```
   ./UninstallOmniDocs11.3
   ```
   When the uninstaller is launched, the Uninstall OmniDocs11.3 screen appears.
4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.
6. Click **Uninstall**. The uninstallation begins. The roll back script gets executed to reinstate the base version. The Start WebLogic Server dialog appears.
7. Start the WebLogic application server and then click **OK** to continue the un-deployment of OmniDocs 11.3. The WebLogic Server Status dialog appears.
8. Click **Yes** to confirm that the WebLogic application server has started.
   On completion of the rollback, the installed features of OmniDocs 11.3 get removed.

The Uninstall Complete screen appears once all the features of OmniDocs 11.3 are removed.

9. Click **Done** to complete the uninstallation and close the screen.

Rolling-back when upgraded on WebSphere application server

Prerequisites:

The following prerequisites are required before rolling-back OmniDocs 11.3:

- The WebSphere application server must be in stop mode.
- OmniDocs services must be in stop mode.
- Administrative rights must be available on the server machine.

To roll-back the upgrade installation of OmniDocs, perform the following steps:

1. Go to the folder where OmniDocs 11.3 is installed.
2. Open the *Uninstall OmniDocs11.3* folder.
3. Launch the OmniDocs 11.3 uninstaller.
   For Windows, right-click *UninstallOmniDocs11.3.exe* and select **Run as administrator**. If prompted for uninstallation confirmation, click **Yes**.
   The Uninstall OmniDocs11.3 screen appears. Proceed to step 4.

   For Linux, perform the following steps:
   a. Right-click in the empty area and select **Open in Terminal**.
   b. Execute the following command to launch the Uninstaller GUI:

      ```
      export LD_BIND_NOW=1
      ```

   c. Execute the following command to launch the uninstaller:

      ```
      ./UninstallOmniDocs11.3
      ```

      When the uninstaller is launched, the Uninstall OmniDocs11.3 screen appears.
4. Click **Next**. The Prerequisites screen appears.
5. Select all the checkboxes to confirm all the prerequisites are met.

6. Click **Uninstall**. The uninstallation begins. The roll back script gets executed to reinstate the base version. The Start WebSphere Application Server dialog appears.
7. Start the WebSphere application server and then click **OK** to continue the un-deployment of OmniDocs 11.3. The WebSphere Server Status dialog appears.
8. Click **Yes** to confirm that the WebSphere application server has started.
   On completion of the rollback, the installed features of OmniDocs 11.3 get removed.
   The Uninstall Complete screen appears once all the features of OmniDocs 11.3 are removed.
9. Click **Done** to complete the uninstallation and close the screen.

Installing NewgenONE OmniDocs Manually

This section describes the procedures to manually install NewgenONE OmniDocs 11.3 on the following application servers:

- Red Hat JBoss Enterprise Application Platform (JBoss EAP)
- Oracle WebLogic Server
- IBM WebSphere Application Server

Best practices

This section describes the best practices that you must use for a fresh installation of NewgenONE OmniDocs 11.3 or upgrading an existing installation of OmniDocs 11.3 or a later version to NewgenONE OmniDocs 11.3. Refer to the following best practices:

Fresh Installation	Upgrade Installation
• The application server must be in stop mode before starting the installation. • Always use a fresh application server. • In the case of fresh installation and cloud database service, a blank schema on the database must be created.	• NewgenONE OmniDocs 11.0 SP1 or a later version must be already deployed before doing any activity like upgrading any existing cabinet through OmniDocs Service Administration (OSA) or cabinet registration in OmniDocs Web and OmniDocs Admin modules. • The application server must be in stop mode before starting the installation. • OmniDocs utilities such as Wrapper, SMS, Alarm Mailer, Scheduler, Thumbnail Manager, and LDAP (if LDAP is installed on the application server) must be in stop mode. • Always take a backup of the application server folder and OmniDocs installation folder after stopping the server. The backup must be taken at some other place. • Take a backup of the database before applying the upgrade installation, if possible. • After performing the upgrade installation, start the application server and OmniDocs utilities again. • The OmniDocs cabinet must be registered after applying the OmniDocs 11.3 upgrade.

The following are the limitations of the NewgenONE OmniDocs 11.3 deployment:

- This installation does not contain the cabinet rollback script. Hence, you must take a backup of the cabinets for the rollback of this release in the upgrade case.
- Deployment of OmniDocs on cluster environments must be done manually.
- Microsoft Azure Blob and Amazon S3 bucket are not supported with automatic cabinet creation. So, site association and volume creation for these storage services must be done manually.

Installing OmniDocs

This section describes how to manually perform the fresh installation of NewgenONE OmniDocs 11.3 on Linux, AIX, and Windows operating systems on the following application servers.

- JBoss EAP
- Oracle WebLogic Server

- IBM WebSphere Application Server

Prerequisites

The following prerequisites must be met before upgrading to NewgenONE OmniDocs 11.3:

Requirements	Description
OmniDocs	An earlier version of OmniDocs must not be installed on the application server machine.
Supported operating systems	• Linux: ◦ Red Hat Linux 7.0 ◦ Red Hat Linux 8.0 ◦ Red Hat Linux 8.3 • Windows: ◦ Windows Server 2016 ◦ Windows Server 2019 ◦ Windows Server 2022 • AIX 7.x

Requirements	Description
Supported application servers	• Red Hat JBoss Enterprise Application Platform (JBoss EAP) ◦ JBoss EAP 7.4.10 ◦ JBoss EAP 7.4.12 ◦ JBoss EAP 7.4.16 If you are using the JBoss version 7.4.8 and later, and JDK version 17 and later, then go to the <JBoss-home>/Bin folder and execute the following file using command prompt: • Linux — ./jboss-cli.sh --file=/<JBoss-home>/jboss-eap-7.4/docs/examples/enable-elytron-se17.cli • Windows — jboss-cli.bat --file=<JBoss-home>\jboss-eap-7.4\docs\examples\enable-elytron-se17.cli Here, <JBoss-home> refers to the JBoss application server home directory. • Oracle WebLogic Server ◦ WebLogic 12.2.1.4 ◦ WebLogic 14c • IBM WebSphere Application Server ◦ WebSphere 9.0.5.7 (Installed with IBM SDK 8) ◦ WebSphere 9.0.5.15 (Installed with IBM SDK 8)
Supported JDK	The supported Java versions are: • RedHat OpenJDK 1.8 • JDK or JRE 1.8 (update 91 and later) • JDK 11 • JDK 11.0.9 • JDK 17 (compatible with JBoss EAP 7.4.8 and later) Set the JAVA_HOME path as per the application server

<table>
<tr><th>Requirements</th><th>Description</th></tr>
<tr><td rowspan="2">Supported databases</td><td>
• Microsoft SQL
• Microsoft SQL Server 2019
• Microsoft SQL Server 2022
• Microsoft Azure
• Microsoft SQL RDS
• Oracle
• Oracle 18c
• Oracle 19c
• PostgreSQL
• PostgreSQL 14.4
• PostgreSQL 15.2
• PostgreSQL 16
</td></tr>
<tr><td>
Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation on the Oracle database:
• CREATE ANY PROCEDURE
• CREATE ANY TYPE-- WITH ADMIN OPTION
• CREATE TABLESPACE
• CREATE USER
• CREATE PROCEDURE -- WITH ADMIN OPTION
• CREATE SEQUENCE -- WITH ADMIN OPTION
• CREATE SESSION-- WITH ADMIN OPTION
• CREATE TABLE-- WITH ADMIN OPTION
• CREATE TRIGGER-- WITH ADMIN OPTION
• CREATE VIEW-- WITH ADMIN OPTION
• SELECT ANY DICTIONARY-- WITH ADMIN OPTION

• In the case of Oracle RDS, the following additional rights are required:
• SELECT_CATALOG_ROLE
• EXECUTE_CATALOG_ROLE
• Execute permission on the CTX_DDL package
• A user must be created with the above permissions. A blank schema must be created for this user.

The blank schema and user are used for cabinet creation.
</td></tr>
<tr><td>Others</td><td>
• Administrative rights on the machine.
• Make sure the application server is in stop mode.
• The installation folder and application server folder must be excluded from antivirus, antimalware, and scanning services.
</td></tr>
</table>

Installing OmniDocs on JBoss EAP

To manually install NewgenONE OmniDocs 11.3 on JBoss EAP, perform the following steps:

From here on:

- <JBoss_HOME> refers to */root/jboss-eap-7.x* in the case of Linux and *c\jboss-eap-7.x* in the case of Windows.
- JBoss-EAP 7.x application server must be in stop mode while starting the NewgenONE OmniDocs 11.3 installation.
- <BASE_SETUP_DIR> refers to OmniDocs-JbossEAP path *OmniDocs11.3_Jboss7.x/OmniDocs-Server* for Linux or *OmniDocs11.3_Jboss7.x\OmniDocs-Server* for Windows.

1. Copy all the files and folders as given below:
   - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/bin	*<JBoss_HOME>/bin*

   - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\bin	*<JBoss_HOME>\bin*

2. Copy *omnidocs_library* and system folders as given below:
   - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/modules	*<JBoss_HOME>/modules*

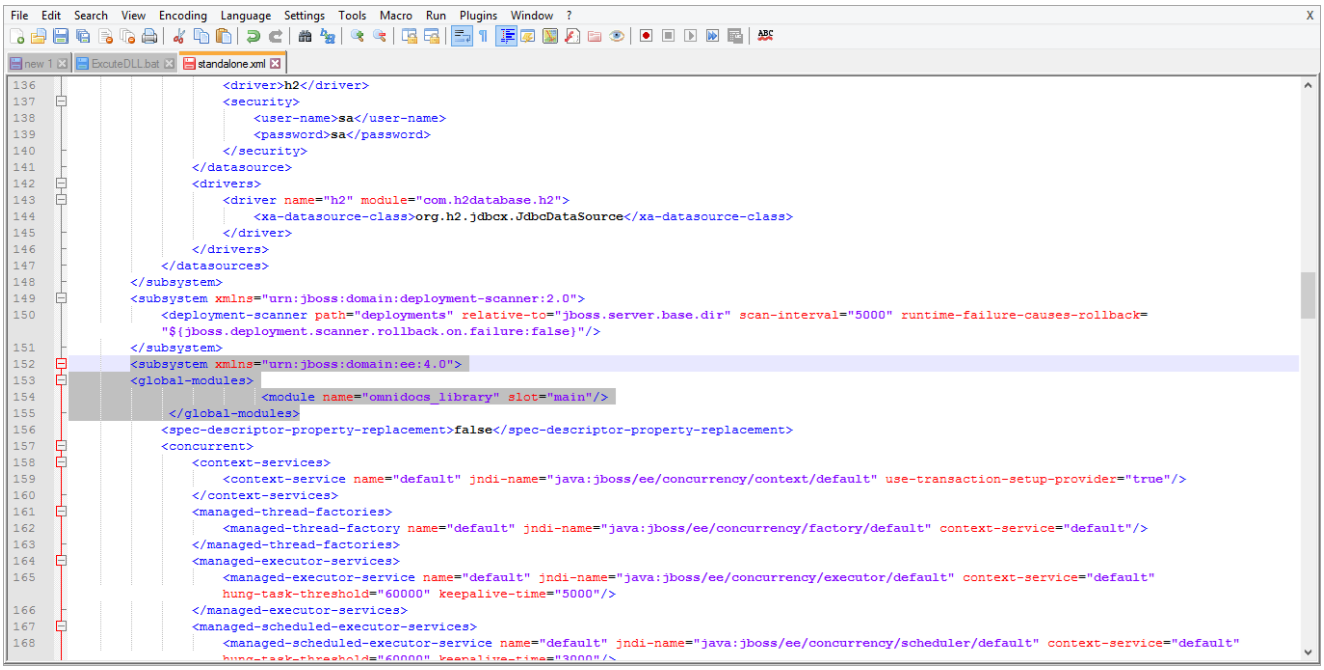
   - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\modules	*<JBoss_HOME>\modules*

3. Go to *<JBoss_HOME>\standalone\configuration* and add the below lines in *standalone.xml*:

```
<global-modules>
<module name="omnidocs_library" slot="main"/>

</global-modules>
```

These lines must be added under the ee subsystem tag.



4. Add the below lines in the *standalone.xml* file located in the */standalone/configuration* folder after the defined extension tag:

```
<system-properties>
<!-- URI Properties -->
<property name="jboss.as.management.blocking.timeout" value="1000"/>
<property name="org.apache.catalina.connector.URI_ENCODING" value="UTF-8"/>
<property
name="org.apache.catalina.connector.USE_BODY_ENCODING_FOR_QUERY_STRING"
value="true"/>
</system-properties>
```

Example:

```
</extensions>
<system-properties>
<!-- URI Properties -->
<property name="jboss.as.management.blocking.timeout" value="1000"/>
<property name="org.apache.catalina.connector.URI_ENCODING" value="UTF-8"/>
<property
name="org.apache.catalina.connector.USE_BODY_ENCODING_FOR_QUERY_STRING"
```

```
value="true"/>
</system-properties>
```

5.

Add *max-post-size="1717986920"* after *<http-listener name="default"* text. Example:

```
<http-listener name="default" max-post-size="1717986920" socket-binding="http"
redirect-socket="https"/>
```

In the case of https:

```
<https-listener name="httpsServer" socket-binding="https" security-
realm="ApplicationRealm" max-post-size="1717986920"/>
```

6. Copy all the files as given below:
   - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/standalone/deployments	*<JBoss_HOME>/standalone/deployments*

   - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\standalone\deployments	*<JBoss_HOME>\standalone\deployments*

7. Go to *<JBoss_HOME>/modules/omnidocs_library/*main for Linux or *<JBoss_HOME>\modules\omnidocs_library\main* for Windows and edit *Omni_configurations.xml* to specify the path of the parent directory of the custom Newgen folder present. Leave it blank if you are using the default location (application server home folder).
   - Default folder: The application server home folder.
   - Custom folder: Any folder other than the default folder can be called a custom folder.

```
<?xml version="1.0"?>
<!--
=====================================================================
```

```
-->
<!-- OmniDocs Server Configuration -->
<!--
=========================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>

</PathInfo>
```

The specified path of configuration files and folders in *Omni_Configurations.xml* and *OmniflowWeb_Configuration.xml* files must not contain blank spaces.
For example, if files and folders are placed at the location */root/New* for Linux or *C:\New* for Windows, then the contents of this file need to be updated as *<Path>/root/New</Path>* for Linux or *<Path>C:\New</Path>* for Windows.

8. Open a command terminal and navigate to *<JBoss_HOME>/bin* for Linux or *<JBoss_HOME>\bin* for Windows and execute the below command to start the Jboss-eap-7.x application server:

Linux	Windows
standalone.sh -b 0.0.0.0	*standalone.bat -b 0.0.0.0*

9. Copy the Wrapper folder from *<BASE_SETUP_DIR>* to its respective location on your server. Refer to the below path:
    - Linux: */root/OmniDocs11.3/Wrapper*
    - Windows: *C:\OmniDocs11.3\Wrapper*
    - Edit the *RunWrapper.sh* in the case of Linux or *RunWrapper.bat* file in the case of Windows and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"Wrapper_Lib/":. com.newgen.wrapper.NGEjbClient*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"Wrapper_Lib/*" com.newgen.wrapper.NGEjbClient*

    - Open a command terminal and change the working directory to *<Wrapper-Directory>*. Then, execute the following command to run the wrapper at Client port (3333) and Admin port (9996).

Linux	Windows
RunWrapper.sh	*RunWrapper.bat*

From now onwards, wherever you need to enter JTS IP and port, enter Wrapper IP and port.

If the default port of the Wrapper is used, then change the Wrapper port in the *NGOWrapper.xml* file present in the *Wrapper/Newgen/NGConfig/NGDBini* folder.

```
<?xml version="1.0"?>
<WrapperInfo>
<WrapperIP>127.0.0.1</WrapperIP>
<WrapperPort>3333</WrapperPort>
<AdminPort>9996</AdminPort>
<SocketTimeOut>60</SocketTimeOut>
<AdminStart>Y</AdminStart>
<Debug>N</Debug>
<CharacterSet>UTF-8</CharacterSet>
<ClientMaxConnAllowed>100</ClientMaxConnAllowed>

</WrapperInfo>
```

10. Copy the Common-Services for J2EE folder from *<BASE_SETUP_DIR>* to its respective location at your server as given below:

Linux	Windows
/root/OmniDocs11.3	*C:\OmniDocs11.3*

11. Navigate to the OSA folder located in */root/OmniDocs11.3/Common-Services* for J2EE for Linux or *C:\OmniDocs11.3\Common-Services* for J2EE for Windows and edit *RunAdmin.sh* for Linux or *RunAdmin.bat* file for Windows to specify the correct Java path as given below:

Linux	*Windows*
"/root/jdk1.8.0_91/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame*

12. Open a command terminal and change the working directory to *<OSA-Directory>*. Then, execute the following command to launch OSA GUI:

Linux	Windows
RunAdmin.sh	*RunAdmin.bat*

13. Go to the SMS folder in the Common Services for J2EE folder and edit the *run.sh* for Linux or *run.bat* for Windows file to specify the correct Java path as given below:

Linux	*Windows*
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true -DFile.encoding="UTF-8" -classpath .:"SMS_Lib/":. startSMS*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS*

14. Open a command terminal and change the working directory to *<SMS-Directory>*. Then, execute the following command script to launch SMS:

Linux	Windows
run.sh	*run.bat*

15. Navigate to the *ThumbnailManager* folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for J2EE	*C:\OmniDocs11.3\Common-Services for J2EE*

16. Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/":. com.newgen.thumbnail.ThumbnailSchedule*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule*

17. Navigate to the lib folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for j2EE/ ThumbnailManager	*C:\OmniDocs11.3\Common-Services for j2EE\ThumbnailManager*

18. Open *Omni_Configurations.xml* and edit as below:
    When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the Newgen folder.
    - Default Newgen folder location: The application server home folder.
    - Custom Newgen folder location: A location other than the application server home folder can be called a custom folder location.
      Refer to the below example:

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!-- OmniDocs Server Configuration -->
<!--
=========================================================================
-->
<PathInfo>
```

```
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>

</PathInfo>
```

19. Navigate to the *AlarmMailer* folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for j2EE	*C:\OmniDocs11.3\Common-Services for j2EE*

- Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/":. com.newgen.alarmmailer.ODAlarmMailer*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"AlarmMailer_Lib/*" com.newgen.alarmmailer.ODAlarmMailer*

- Open the *Omni_Configurations.xml* file located in the *OmniDocs11.3\Common* Services for *J2EE\AlarmMailer\AlarmMailer_Lib*

folder. When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the Newgen folder.
Refer to the below example:

```
<!--
=========================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>

</Location>
```

20. Navigate to the Scheduler folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for j2EE	*C:\OmniDocs11.3\Common-Services for j2EE*

- Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/":.*	*"C:\Program Files\Java\jdk1.8.0_91 \bin\java" -Dfile.encoding="UTF-8"-classpath ;.;"lib/*"*

Linux	Windows
com.newgen.scheduler.process.RunScheduler	*com.newgen.scheduler.process.RunScheduler*

- Open the *Omni_Configurations.xml* file located in the *Scheduler\lib* folder and edit as given below:
  When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the Newgen folder.
  Refer to the below example:

```
<?xml version="1.0"?>
<!--
=====================================================================
-->
<!-- OmniDocs Server Configuration -->
<!--
=====================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>

</Location>
```

After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities.

Installing OmniDocs on Oracle WebLogic Server

Before starting the manual installation, ensure the following:

- A fresh WebLogic Domain must be created.
- The WebLogic domain must be created with Java 1.8 or above.

From here on:

- *<WL_HOME>* refers to the directory where the WebLogic server has been installed.
  - For Linux: */root/Oracle/Middleware/Oracle_Home*
  - For Windows: *C:\Oracle\Middleware* or *C:\Oracle\Middleware\Oracle_Home*
- *<WL_Domain>* refers to the WebLogic application server domain that is being used for OmniDocs deployment.
- *<BASE_SETUP_DIR>* refers to OmniDocs Server - WebLogic.

Creating WebLogic domain with other JDK

This section describes how to create a WebLogic domain with the other JDK using Oracle Fusion Middleware Configuration Wizard.

To create a WebLogic domain with other JDK, perform the following steps:

1. Launch the Oracle Fusion Middleware Configuration Wizard to create a WebLogic administration domain.
2. On the Welcome screen, select the **Create a new WebLogic domain** option. The Configure Server Start Mode and JDK screen appears.
3. Select the **Development Mode** option from the WebLogic Domain Startup Mode section.
4. Select the **Other JDK** option from the JDK Selection section and click **Browse** to select a JDK from your local drive.

The supported JDK version is 1.8 or later.

Moving and updating the configuration files

To move and update the configuration files, perform the following steps:

1. Copy all the files and folders from *<BASE_SETUP_DIR>/App Server/domain/applications* folder to *<WL_HOME>/user_projects/domains/<WL_Domain>/applications* folder.

   In case of WebLogic 12.2.13, copy OmniDocs folder from *<BASE_SETUP_DIR>AppServer/domain/Weblogic12.2* to *<WL_HOME>/user_projects/domains/<WL_Domain>/applications* folder.

2. Copy all the files from *<BASE_SETUP_DIR>/AppServer/domain/lib* to the *<WL_HOME>/user_projects/domains/<WL_Domain>/lib* directory.
3. Copy the Newgen folder present in the directory *<BASE_SETUP_DIR>/AppServer/domain* to the *<WL_HOME>/user_projects/domains/<WL_Domain>* folder.
4. Go to path *<WL_HOME>/user_projects/domains/<WL_Domain>/lib* and edit the *Omni_Configuration.xml* file to specify the path of the parent directory of the custom *Newgen* folder present. Leave it blank if you are using the default location.
   - Default Newgen folder location: The application server home folder.
   - Custom Newgen folder location: A location other than the application server home folder can be called a custom folder location.

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!--  OmniDocs Server Configuration
   -->
<!--
=========================================================================
-->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
```

```
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
<PathInfo>
```

5. Go to the *ngdbini* folder inside *<WL_HOME>/user_projects/domains/<WL_Domain>/Newgen/NGConfig* directory and edit *NGOClientData.xml* to specify the correct IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
```

6. Open the IS.ini file located in the *<WL_HOME>/user_projects/domains/<WL_Domain>/Newgen/NGConfig* directory and edit it to specify the correct IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
```

Installing OmniDocs deployable files

This section describes how to install OmniDocs deployable files such as *omnidocs_ejb.ear, omnidocs, OpAll, Scan, ODpms, iform, formviewer, callbroker.war, poi-library-weblogic.war*, *OmniDocsRestWS.war , and osaweb.war* using Oracle WebLogic Server Administration Console.

To install OmniDocs deployable files, perform the following steps:

1. Before starting the server, open the *startWebLogic.sh* file located to *<DOMAIN_HOME>/bin/startWebLogic.sh*.
2. Search for *set SAVE_CLASSPATH="${CLASSPATH}"* and replace *"${CLASSPATH}" with "%DOMAIN_HOME%\lib\log4j-api-2.23.1.jar;%DOMAIN_HOME%\lib\log4j-core-2.23.1.jar;%CLASSPATH%"* and save the file.
3. Start the WebLogic Application Server domain.

4. Launch a browser and enter the following URL in the address bar to open the Oracle WebLogic Server Administration Console:
   http://<IP Address of the WebLogic Server Machine>:<Port of WebLogic Server Domain>/console
   Example:
   http://127.0.0.1:7001/console
5. Enter the administrative **Username** and **Password** to log in. On successful login, the WebLogic Server Administration Console home screen appears.
6. In the **Domain Structure** section on the left pane, click **Deployments**.
7. Click **Install** from the Summary of Deployments section displayed in the right pane. The Install Application Assistant screen appears.
8. Select the applications folder from the below location where the required deployable files are located:
   - *<WL_HOME>/user_projects/domains/<WL_Domain>*
9. First, deploy *poi-library-weblogic.war* and choose to **Install this deployment as a library** option in the Install Application Assistant screen. Then, deploy the application as a library.
10. Select one of the following deployable files:
    - omnidocs_ejb.ear
    - omnidocs (open directory)
    - OpAll (open directory)
    - scan (open directory)
    - Custom (open directory)
    - Security.war
    - ODpms (open directory)
    - iform (open directory)
    - formviewer (open directory)
    - OmniDocsRestWS.war (open directory)
    - callbroker.war
    - osaweb.war
11. Click **Next** to continue the deployment.
12. Select the **Install this deployment as an application** option and click **Next**.
13. Enter the required name in the **Name** box and click **Next**.

    The context name in the Name box must be entered as per the selected deployable file.

14. Select the **No, I will review the configuration later** option and click **Finish** to start the deployment.

15. Once the deployment process is completed, save it using the **Save** button from the **Overview** tab of the respective settings screen.
16. Click **Activate Changes** displayed under the Change Center in the left pane. The messages "**All changes have been activated. No restarts are necessary**" and "**The deployment has been successfully installed**" appear in the Summary of Deployments screen.

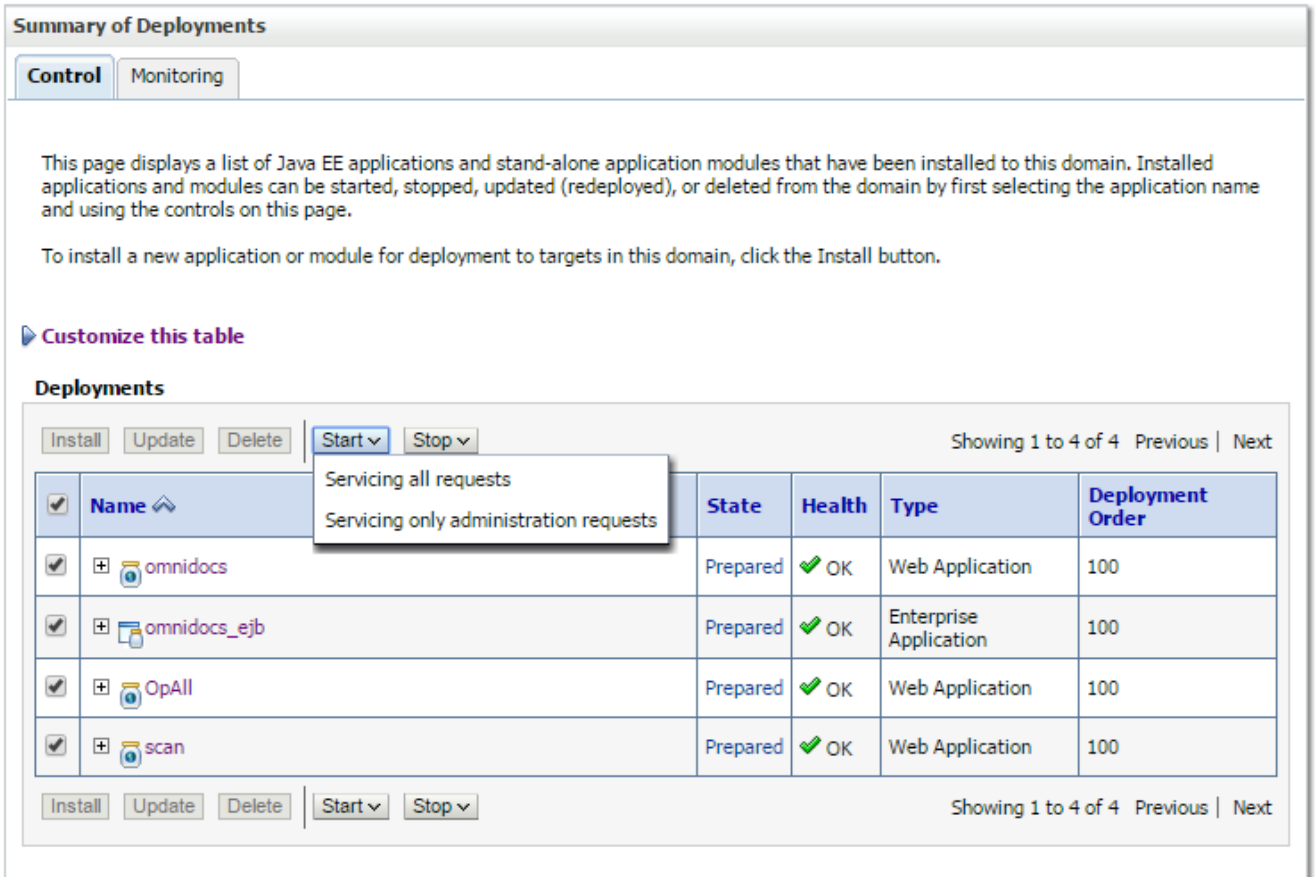
> Repeat the above steps to install all the deployable files that are listed in step 8.

Starting the deployed applications

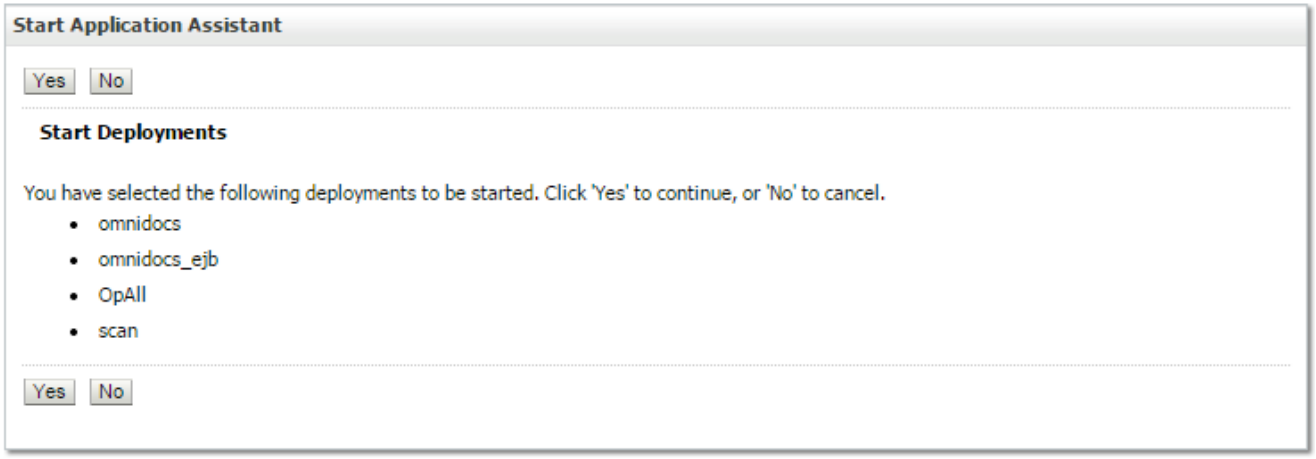
This section describes how to start the deployed applications installed in the previous section.

To start the installed application, perform the following steps:

1. In the Summary of Deployments screen, select the checkboxes against the required files.



2. Select the **Servicing all requests** option displayed under the **Start** dropdown menu bar. The Start Application Assistant screen appears.



3. Click **Yes** to continue. The message "**Start requests have been sent to selected Deployments**" appears.

Setting up and running Wrapper

To set up and run wrapper services, perform the following steps:

1. Copy the Wrapper directory from <BASE_SETUP_DIR> to the machine where WebLogic Server is running.
   Example:

Linux	Windows
/root/ OmniDocs11.3	*C:\OmniDocs11.3*

2. For Linux, go to *RunWrapper.sh* file located at */root/OmniDocs11.3/Wrapper* directory, or for Windows go to *RunWrapper.bat* file located at *C:\OmniDocs11.3\Wrapper* directory and specify the correct *java.exe* path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"Wrapper_Lib/":. com.newgen.wrapper.NGEjbClient*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"Wrapper_Lib/*" com.newgen.wrapper.NGEjbClient*

3. Go to the *ngdbini* folder inside the *Wrapper* directory and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</endPointURL>
```

4. Open a command terminal and go to the **Wrapper** directory.
5. Execute *RunWrapper.sh* (for Linux) or *RunWrapper.bat* (for Windows) to run Wrapper.
6. Copy *Common Services for J2EE* folder from *<BASE_SETUP_DIR>* folder to the server machine. Example:

Linux	Windows
/root/OmniDocs11.3	*C:\OmniDocs11.3*

7. Go to the OSA folder present in the *Common Services for J2EE* folder and edit *RunAdmin.sh* (for Linux) or *RunAdmin.bat* (for Windows) to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame*

8. Open a command terminal and go to the OSA directory.
9. Execute *RunAdmin.sh* (for Linux) or *RunAdmin.bat* (for Windows) to launch OSA GUI.
10. Go to the *SMS* folder in the *Common Services* for *J2EE* folder and edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct *java.exe* path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true -DFile.encoding="UTF-8" -classpath .:"SMS_Lib/":. startSMS*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS*

11. Open a command terminal and go to the *SMS* Directory.
12. Execute *run.sh* (for Linux) or *run.bat* (for Windows) to run SMS.
13. Navigate to the *ThumbnailManager* folder located in */root/OmniDocs11.3/Common-Services for j2EE/ThumbnailManager/lib* (for Linux) or *C:\OmniDocs11.3\Common-Services for j2EE\ThumbnailManager\lib* (for Windows) and edit the *Omni_Configurations.xml* file.
    When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.
    - Default *Newgen* folder location: The application server home folder.
    - Custom *Newgen* folder location: A location other than the application server home folder can be called a custom folder location.
      Refer to the below example:

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!--  OmniDocs Server Configuration
   -->
<!--
=========================================================================
-->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
```

```
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *ThumbnailManager* directory and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
 <jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule

14. Go to the *AlarmMailer* folder located in the *<Install_dir>/Common-Services for j2EE/AlarmMailer/AlarmMailer_Lib* folder and edit the *Omni_Configurations.xml file*.
    When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.
    - Default *Newgen* folder location: The application server home folder.
    - Custom *Newgen* folder location: A location other than the application server home folder can be called a custom folder location.
      Refer to the below example:

```
 <?xml version="1.0"?>
<!--
=======================================================================
-->
<!--  OmniDocs Server Configuration
   -->
<!--
=======================================================================
-->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *AlarmMailer* folder and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
 <jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/*":. com.newgen.alarmmailer.ODAlarmMailer	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"AlarmMailer_Lib/*" com.newgen.alarmmailer.ODAlarmMailer

15. Go to the *lib* folder located at *<Install_dir>/OmniDocs11.3/Common-Services for j2EE/Scheduler* (for Linux) or *C:\OmniDocs11.3\Common-Services for j2EE\Scheduler* (for Windows) and edit the *Omni_Configurations.xml* file.
When using the default configuration location (application server home folder), leave the path blank in the *Omni_configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.

- Default *Newgen* folder location: The application server home folder.
- Custom *Newgen* folder location: A location other than the application server home folder can be called a custom folder location.

  Refer to the below example:

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!--  OmniDocs Server Configuration
   -->
<!--
=========================================================================
-->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
```

```
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *Scheduler* directory and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit *Scheduler.sh* (for Linux) or *Scheduler.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/":.com.newgen.scheduler.process.RunScheduler*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.scheduler.process.RunScheduler*

While associating an Oracle cabinet to the JTS using OSA, you must give the username and password as the cabinet name. After cabinet association with the JTS, restart the WebLogic server and the Wrapper.
After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities.

Installing OmniDocs on WebSphere Application Server

Before starting the manual installation, ensure the following:

- The base installation of WebSphere Application Server 8.5 or 9.0.6 must be already done.
- For all languages, if the Oracle database server already has NLS_CHARACTERSET value other than AL32UTF8, then create a new database (service) having NLS_CHARACTERSET as AL32UTF8. Use this database to create OmniDocs Cabinet.
- Before creating a profile in WebSphere 8.5 or 9.0.6, you must include SDK 8 through the WebSphere installation manager.

From here on:

- WAS_HOME refers to the directory where the WebSphere Application Server has been installed.
  - For Linux: /root/IBM/WebSphere/AppServer
  - For Windows: C:\IBM\WebSphere\AppServer
- <WC_adminhost end point> refers to the TCP/IP port on which the server's Administration Console can be accessed. By default, it is 9080.
- WAS_Profile refers to the WebSphere Application Server Profile used for OmniDocs deployment.
- The base setup directory refers to OmniDocs Server/OmniDocs-Server-WAS.
- In the WebSphere Integrated Solutions Console, under Additional Properties, click Custom Properties and add the following properties:
  - com.ibm.ws.cdi.enableImplicitBeanArchives=false
  - com.ibm.ws.cdi.enableCDI=false

Moving and updating configuration files

To move and update the configuration files, perform the following steps:

1. Copy all the files and folders except the *installableApps* folder from the *OmniDocs Server/OmniDocs-Server-WAS/AppServer* directory to the *<WAS_HOME>/profiles /<WAS_Profile>* directory.
2. Copy all the files from *OmniDocsServer/OmniDocs-Server-WAS/AppServer/installableApps* to *<WAS_HOME>/profiles/<WAS_Profile>/installableApps*.
3. Go to the *<WAS_HOME>/profiles /<WAS_Profile>/Newgen/NGconfig/ngdbini* folder located in the *WAS_Profile* directory and edit *NGOClientData.xml* to enter the IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>

<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
```

4. Open the *<WAS_HOME>/profiles /<WAS_Profile>/Newgen/NGconfig/IS.ini* file located in the *WAS_Profile* directory and edit *IS.ini* to enter the IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>

<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
```

5. Go to path *<WAS_HOME>/profiles/<WAS_Profile>/omnidocs_library*. Open the *Omni_Configurations.xml* file and specify the below path of the copied folder: */IBM/WebSphere/AppServer/profiles/AppSrv01*
   When using the default configuration location (application server home folder), leave the path as blank. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.
   a. Default Newgen folder location: The application server home folder.
   b. Custom Newgen folder location: A location other than the application server home folder can be called a custom folder location.
      Refer to the below example:

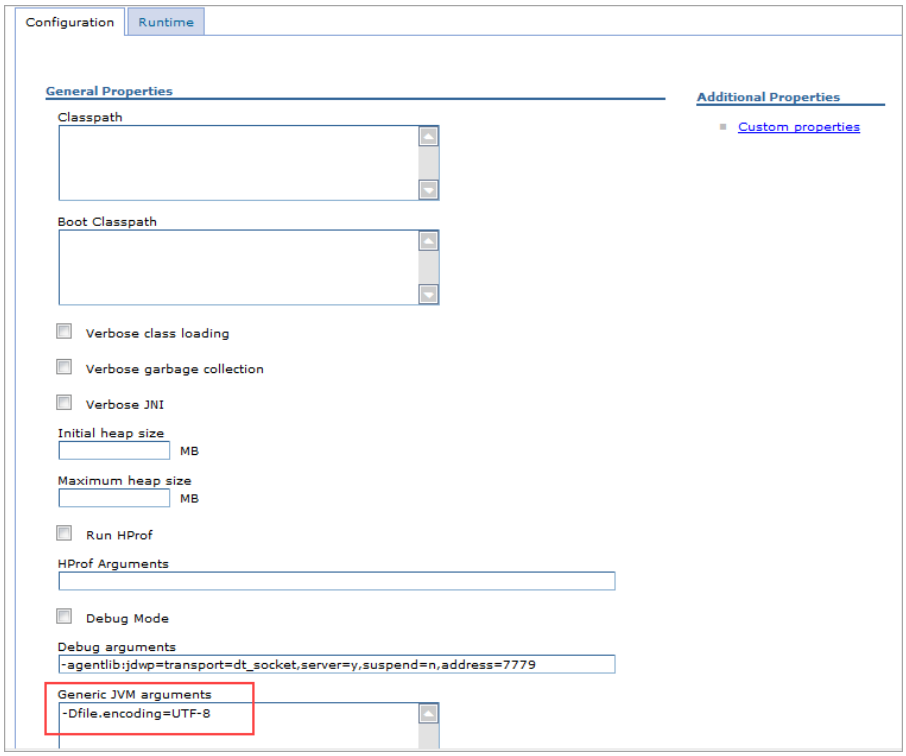
```
 <Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>

</PathInfo>
```

Configuration files and folders such as *ngdbini, mssql, postgres and oracle, ISlog4j.properties*, and *IS.ini* present in the *SETUP_CD->Omnidocs Server/OmniDocs-Server-WAS/App Server* must be pasted on a location other than the *<WAS_HOME>/profiles/<WAS_Profile>* directory.

Installing OmniDocs deployable files

To manually install NewgenONE OmniDocs 11.3 on WebSphere, perform the following steps:

1. Start the WebSphere application server.
2. Sign in to the WebSphere Integrated Solutions Console.
3. Under **Servers**, expand **Server Types** and select **WebSphere application servers**. The Application servers screen appears.
4. Click **server1**.
5. Expand the **Java and Process Management** tab under **Server infrastructure** and click **Process Definition**. The Process definition page appears.
6. Click the **Java Virtual Machine** link given in the Additional Properties section.
7. Append -**Dfile.encoding=UTF-8** at the end of Generic JVM arguments.



8. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
9. Select the **Local file system** option.
10. Click **Browse** and select the location of the *omnidocs_ejb.ear* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
11. Click **Next**.
12. Select **Detailed** - **Show all installation options and parameters**.

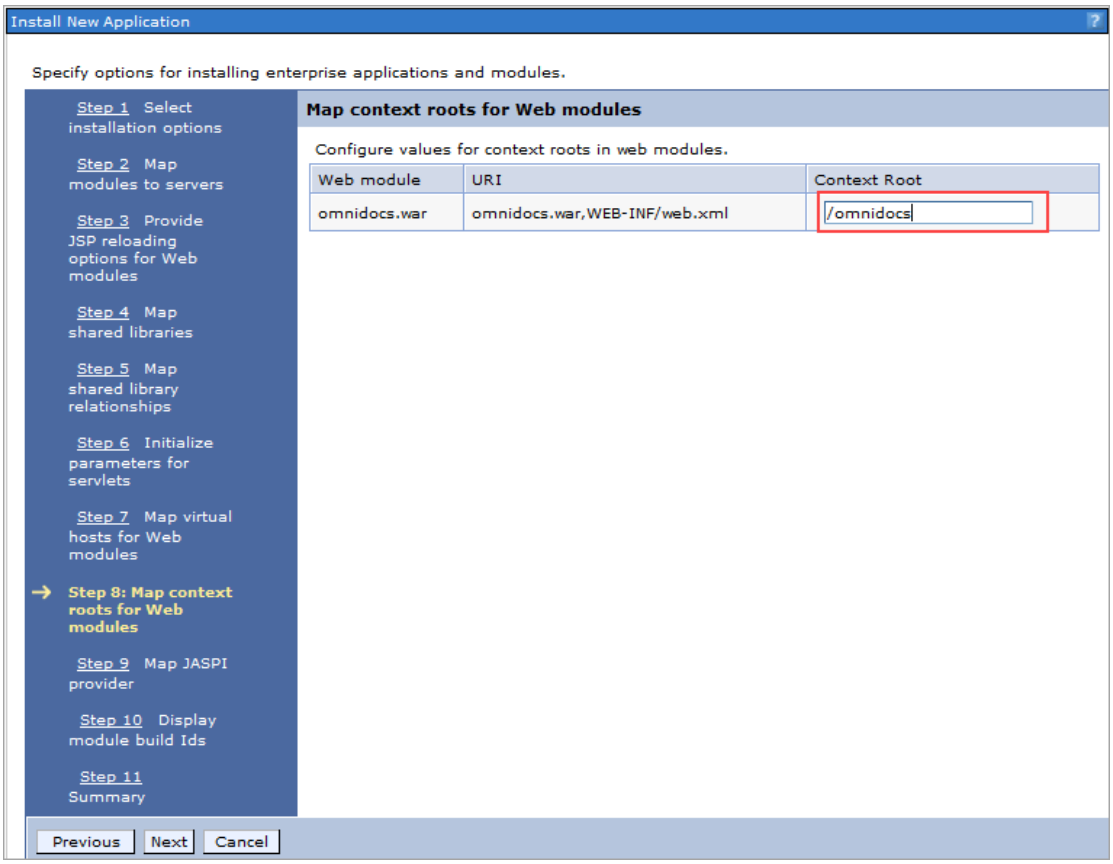
13. Click **Next** to start the deployment process of the OmniDocs EJB module.
14. Click **Next**. The Install New Application screen appears.
15. On the Select installation option page, specify the EJB Module name as **omnidocs_ejb** in the Application Name box.
16. Click **Next**. The Map modules to servers page appears.
17. Click **Next**. The Provide options to perform the EJB Deploy page appears.
18. In the **Class-path** for EJB Deployment Options, give the complete path of *omnishared.jar* located in the *<WAS_HOME>/profiles/<WAS_Profile>/omnidocs_library* directory.
    Example:

Linux	/root/IBM/WebSphere/AppServer/profiles/AppSrv01/omnidocs_library/omnishared.jar
AIX	/root/IBM/WebSphere/AppServer/profiles/AppSrv01/omnidocs_library/omnishared.jar
Windows	C:\IBM\WebSphere\AppServer\profiles\AppSrv01\omnidocs_library\omnishared.jar

WAS_Profile refers to the WebSphere Application Server Profile being used for the OmniDocs deployment. The Class-path option for EJB Deployment must contain the complete directory path along with the name of the dependent JAR file.

19. Click **Next**. The Map shared libraries page appears.
20. Click **Next**. The Map shared library relationships page appears.
21. Click **Next**. The Provide JNDI names for beans page appears.
22. Click **Next**. The Map EJB references to beans page appears.
23. Click **Next**. The Ensure all unprotected 2.x method has the correct level of protection page appears.
24. Click **Next**. The Display Module build Ids page appears.
25. Click **Next**. The Application Deployment Summary page appears.
26. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
27. Click **Save directly to the master configuration**.
28. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
29. Select the **Local file system** option.
30. Click **Browse** and select the location of the *omnidocs.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
31. Click **Next**.

32. Select **Detailed - Show all installation options and parameters**.
33. Click **Next** to start the deployment process of the OmniDocs Web module.
34. Click **Continue** on the Application Security Warnings screen.
35. On the Select installation option page, specify the Web Module name as **omnidocs** in the **Application Name** box.
36. Click **Next**. The Map modules to servers page appears.
37. Click **Next**. The Provide JSP reloading options for Web modules page appears.
38. Click **Next**. The Map shared libraries page appears.
39. Click **Next**. The Map shared library relationships page appears.
40. Click **Next**. The Initialize parameters for servlets page appears.
41. Click **Next**. The Map virtual hosts for Web modules page appears.
42. Click **Next**. The Map context roots for Web modules page appears.

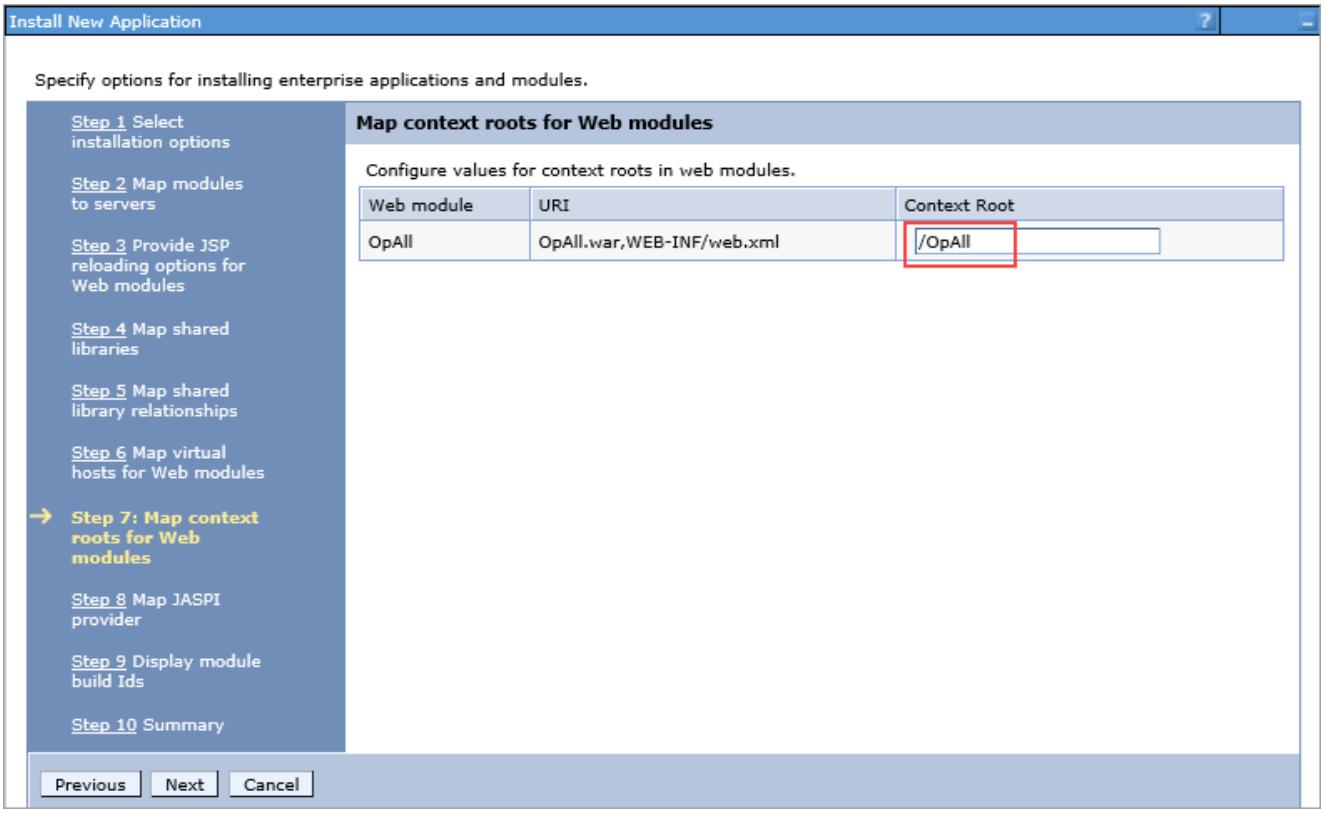


43. Enter Context Root as /**omnidocs**.
44. Click **Next**. The Map JASPI provider page appears.
45. Click **Next**. The Display module build Ids page appears.
46. Click **Next**. The Summary page appears.
47. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
48. Click **Save directly to the master configuration**.

49. Then again, under **Applications**, click **New Application**. The Preparing for the Application installation screen appears.
50. Select the **Local file system** option.
51. Click **Browse** and select the location of the *Custom.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
52. Click **Next**.
53. Select **Detailed - Show all installation options and parameters**.
54. Click **Next** to start the deployment process of the OmniDocs Web module.
55. Click **Continue** on the Application Security Warnings screen.
56. On the Select installation option page, specify the Web Module name as **Custom** in the **Application Name** box.
57. Click **Next**. The Map modules to servers page appears.
58. Click **Next**. The Provide JSP reloading options for Web modules page appears.
59. Click **Next**. The Map shared libraries page appears.
60. Click **Next**. The Map shared library relationships page appears.
61. Click **Next**. The Initialize parameters for servlets page appears.
62. Click **Next**. The Map virtual hosts for the Web modules page appears.
63. Click **Next**. The Map context roots for Web modules page appears.
64. Enter Context Root as /**Custom**.
65. Click **Next**. The Map JASPI provider page appears.
66. Click **Next**. The Display module build Ids page appears.
67. Click **Next**. The Summary page appears.
68. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
69. Click **Save directly to the master configuration**.
70. Then again, under **Applications**, click **New Application**. The Preparing for the Application installation screen appears.
71. Select the **Local file system** option.
72. Click **Browse** and select the location of the *osaweb.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
73. Click **Next**.
74. Select **Detailed - Show all installation options and parameters**.
75. Click **Next** to start the deployment process of the OmniDocs Web module.
76. Click **Continue** on the Application Security Warnings screen.
77. On the Select installation option page, specify the Web Module name as **osaweb** in the **Application Name** box.
78. Click **Next**. The Map modules to servers page appears.
79. Click **Next**. The Provide JSP reloading options for Web modules page appears.

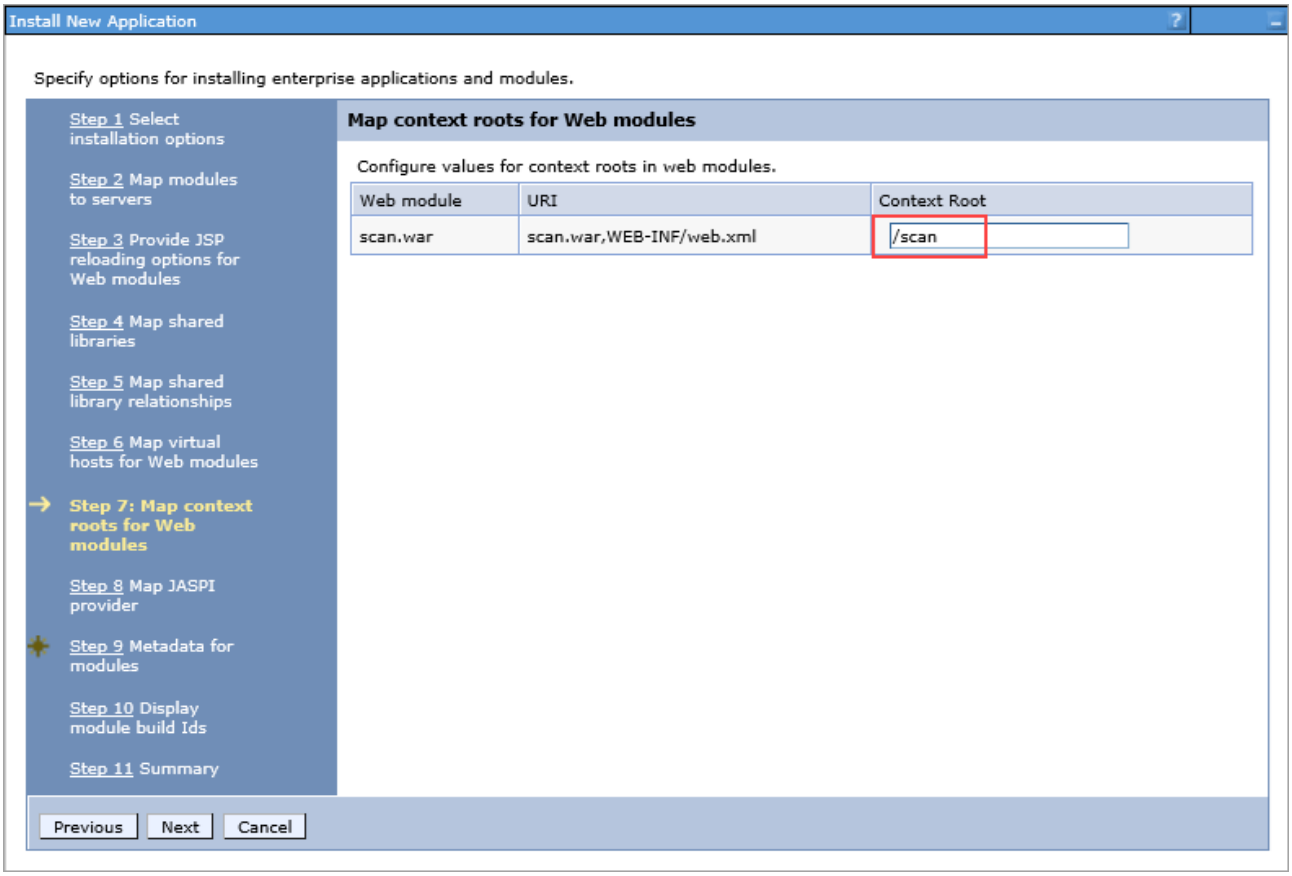
80. Click **Next**. The Map shared libraries page appears.
81. Click **Next**. The Map shared library relationships page appears.
82. Click **Next**. The Initialize parameters for servlets page appears.
83. Click **Next**. The Map virtual hosts for Web modules page appears.
84. Click **Next**. The Map context roots for Web modules page appears.
85. Enter Context Root as /**osaweb**.
86. Click **Next**. The Map JASPI provider page appears.
87. Click **Next**. The Display module build Ids page appears.
88. Click **Next**. The Summary page appears.
89. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
90. Click **Save directly to the master configuration**.
91. Under **Applications**, click **New Application**. The Preparing for the Application installation screen appears.
92. Select the **Local file system** option.
93. Click **Browse** and select the location of the Security.war file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
94. Click **Next**.
95. Select **Detailed - Show all installation options and parameters**.
96. Click **Next** to start the deployment process of the OmniDocs Web module.
97. Click **Continue** on the Application Security Warnings screen.
98. On the Select installation option page, specify the Web Module name as **Security** in the **Application Name** box.
99. Click **Next**. The Map modules to servers page appears.
100. Click **Next**. The Provide JSP reloading options for the Web modules page appears.
101. Click **Next**. The Map shared libraries page appears.
102. Click **Next**. The Map shared library relationships page appears.
103. Click **Next**. The Initialize parameters for servlets page appear.
104. Click **Next**. The Map virtual hosts for Web modules page appear.
105. Click **Next**. The Map context roots for Web modules page appear.
106. Enter Context Root as **/Security**.
107. Click **Next**. The Map JASPI provider page appears.
108. Click **Next**. The Display module build Ids page appears.
109. Click **Next**. The Summary page appears.
110. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
111. Click **Save directly to the master configuration**.

112. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
113. Select the **Local file system** option.
114. Click **Browse** and select the location of the *OpAll.war* file located at in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
115. Click **Next**.
116. Select **Detailed - Show all installation options and parameters**.
117. Click **Next** to start the deployment process of the OpAll Web module.
118. Click **Continue** on the Application Security Warnings screen.
119. On the Select installation option page, specify the Web Module name as **OpAll** in the **Application Name** box.
120. Click **Next**. The Map modules to servers page appears.
121. Click **Next**. The Provide JSP reloading options for the Web modules page appear.
122. Click **Next**. The Map shared libraries page appears.
123. Click **Next**. The Map shared library relationships page appears.
124. Click **Next**. The Map virtual hosts for Web modules page appears.
125. Click **Next**. The Map context roots for Web modules page appears.

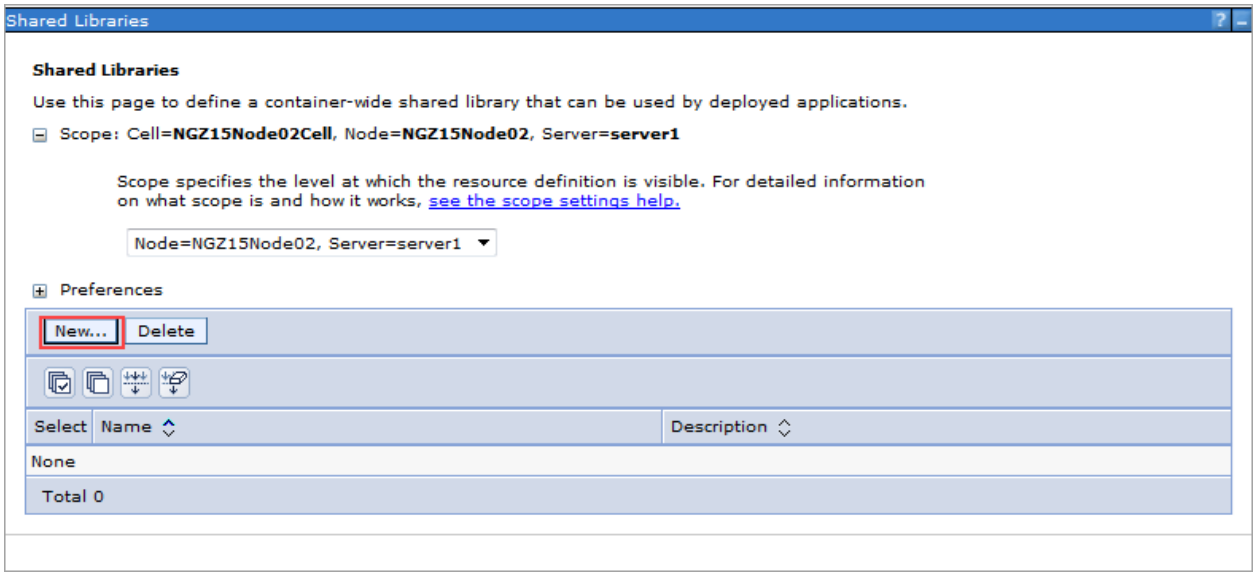


126. Enter Context Root as **/OpAll**.
127. Click **Next**. The Map JASPI provider page appears.
128. Click **Next**. The Display module build Ids page appears.

129. Click **Next**. The Summary page appears.
130. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
131. Click **Save directly to the master configuration**.
132. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
133. Select the **Local file system** option.
134. Click **Browse** and select the location of the *scan.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
135. Click **Next**.
136. Select **Detailed - Show all installation options and parameters**.
137. Click **Next** to start the deployment process of the Scan Web module.
138. Click **Continue** on the Application Security Warnings screen.
139. On the Select installation option page, specify the Web Module name as **scan** in the **Application Name** box.
140. Click **Next**. The Map modules to servers page appears.
141. Click **Next**. The Provide JSP reloading options for Web modules page appears.
142. Click **Next**. The Map shared libraries page appears.
143. Click **Next**. The Map shared library relationships page appears.
144. Click **Next**. The Map virtual hosts for Web modules page appears.
145. Click **Next**. The Map context roots for Web modules page appears.



146. Enter Context Root as **/scan**.
147. Click **Next**. The Map JASPI provider page appears.
148. Click **Next**. The Metadata for the modules page appears.
149. Click **Next**. The Display module build IDs page appears.
150. Click **Next**. The Summary page appears.
151. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
152. Click **Save directly to the master configuration**.
153. Under **Environment**, click **Shared libraries**. The Shared Libraries screen appears.



154. Select Scope as **Server**. The list of existing shared libraries appears.
155. Click **New** to create a new shared isolated library. The page to define a new shared library appears.
156. Specify the following properties:
    - Name - *omnidocs_library*
    - Classpath - Set it to contain the path of all the JARs that have been copied to the <WAS_HOME>/profiles/<WAS_Profile>/omnidocs_library folder. Where ${USER_INSTALL_ROOT} is a WebSphere environment variable that points to <WAS_HOME>/profiles/<WAS_Profile> directory.
157. Then, click **New** to create a new shared non-isolated library for webservice. The page to define a new shared library appears.
158. Specify the following properties:
    - Name - webservice_library
    - Classpath - Set it to contain the path of all the JARs that have been copied to the <WAS_HOME>/profiles/<WAS_Profile>/webservice_library folder. Where ${USER_INSTALL_ROOT} is a WebSphere environment variable that points to <WAS_HOME>/profiles/<WAS_Profile> directory.
159. Click **OK** to save the defined properties.
160. Configuration folders namely *ngdbini, mssql, postgres*, and *oracle*, and files *ISlog4j.properties*, and *IS.ini* present in *SETUP_CD->Omnidocs Server/OmniDocs-Server-WAS/App* Server can be pasted on a location other than the *<WAS_HOME>/profiles/<WAS_Profile>* directory. If so, then the following configuration changes must be done:
    - Go to path *<WAS_HOME>/profiles/<WAS_Profile>/omnidocs_library*.
    - Open the *Omni_Configurations.xml* file and specify the path of the copied folder as:

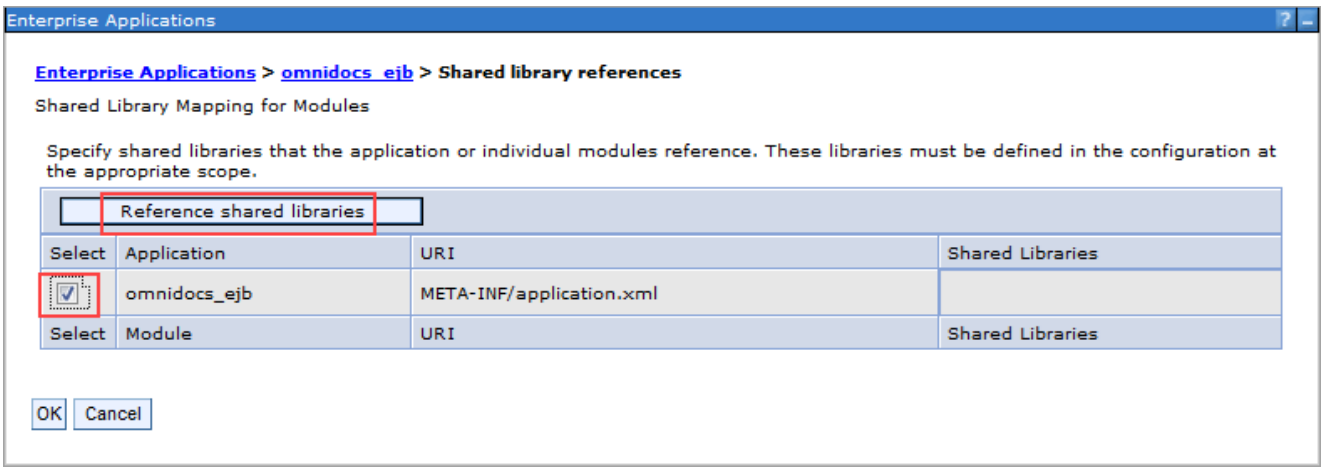
Linux	/root/IBM/WebSphere/AppServer/profiles/AppSrv01
AIX	/root/IBM/WebSphere/AppServer/profiles/AppSrv01
Windows	C:\IBM\WebSphere\AppServer\profiles\AppSrv01

The specified path of configuration files and folders in Omni_Configurations.xml must not contain blank spaces.

Example: /root/New Folder/Dir or C:\New Folder\Dir is not acceptable.

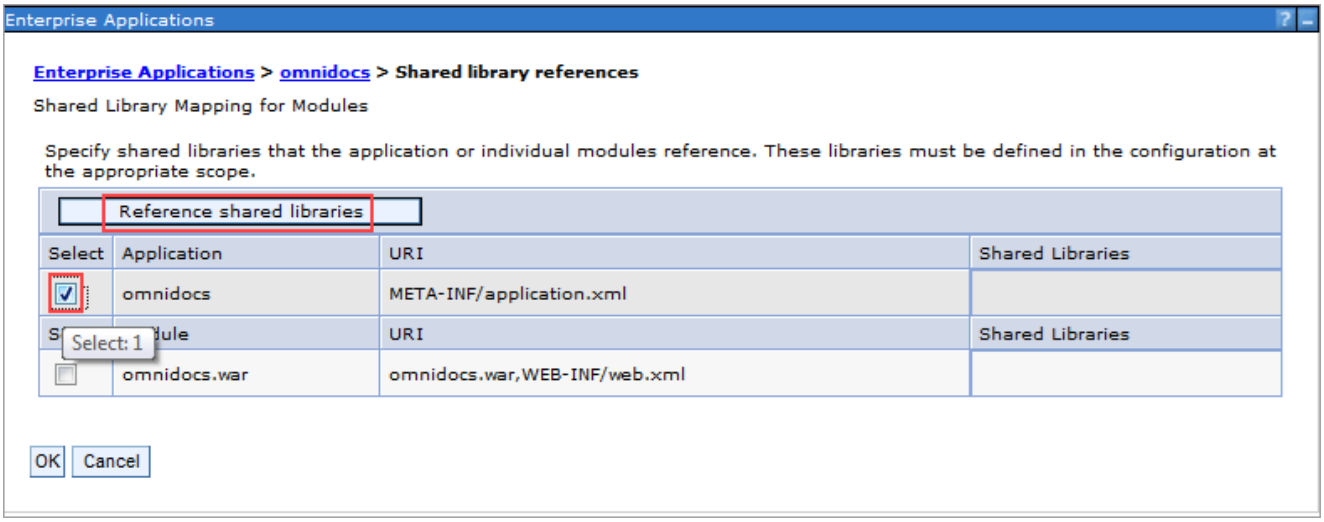
If files and folders are placed at the location */root/new*, then the contents of this file must be updated as *<Path>/root/New</Path>* for Linux. Similarly, update the path for Windows and AIX.

161. Click **Save directly to the master configuration** to save workspace changes to the Master Configuration.
162. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.
163. Click the **omnidocs_ejb** link. The page to configure the omnidocs_ejb application appears.
164. In the Reference section, click the **Shared library references** link. The Shared library references page appears.

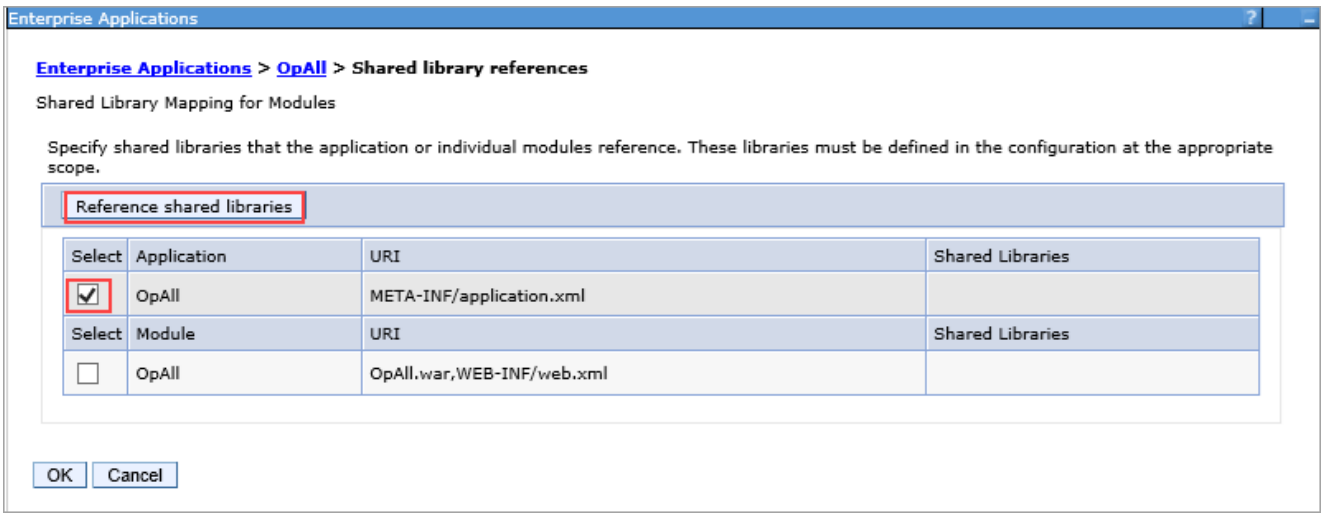


165. Select the **omnidocs_ejb** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
166. Select **omnidocs_library** and **webservice_library** and move them to the Selected box.
167. Click **OK** to save the mapping.
168. Click **Save directly to the master configuration**.

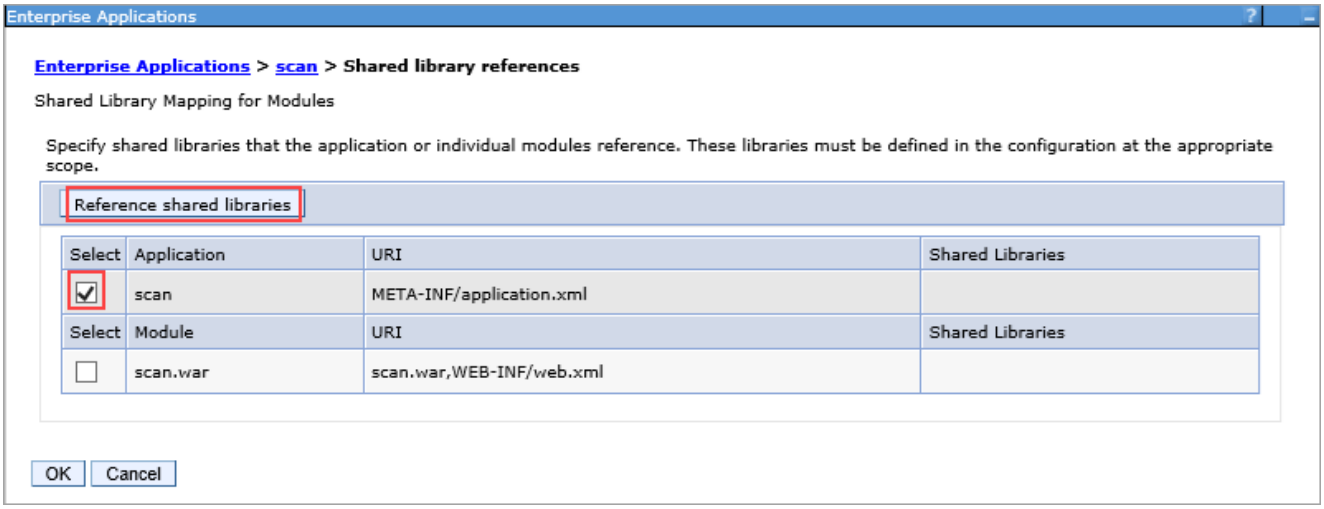
169. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.
170. Click the **omnidocs** link. The page to configure the omnidocs application appears.
171. In the Reference section, click the **Shared library references** link. The Shared library references page appears.



172. Select the **omnidocs** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
173. Select **omnidocs_library** and move it to the Selected box.
174. Click **OK** to save the mapping.
175. Click **Save directly to the master configuration**.
176. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.
177. Click the **OpAll** link. The page to configure the OpAll application appears.
178. In the Reference section, click the **Shared library references** link. The Shared library references page appears.

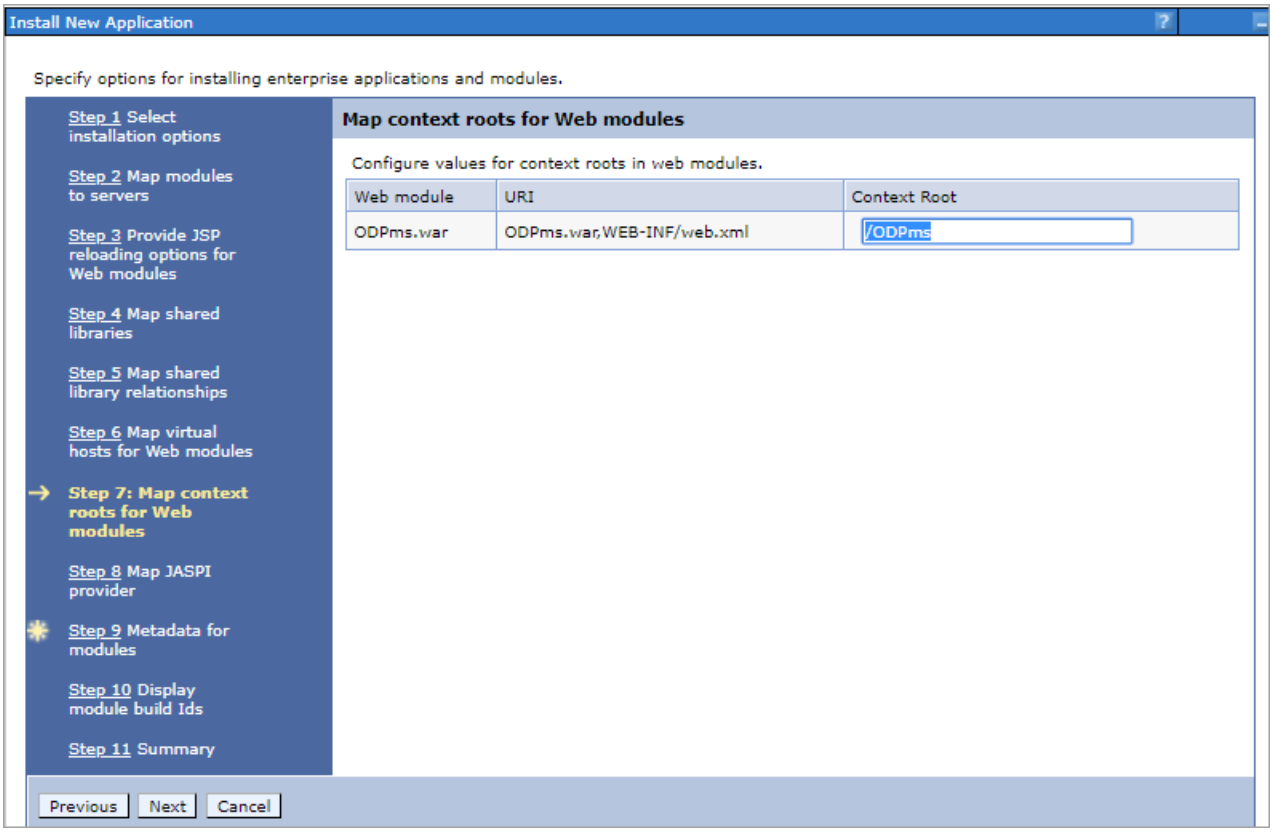


179. Select the **OpAll** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
180. Select **omnidocs_library** and move it to the Selected box.
181. Click **OK** to save the mapping.
182. Click **Save directly to the master configuration**.
183. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.
184. Click the **scan** link. The page to configure the scan application appears.
185. In the Reference section, click the **Shared library references** link. The Shared library references page appears.



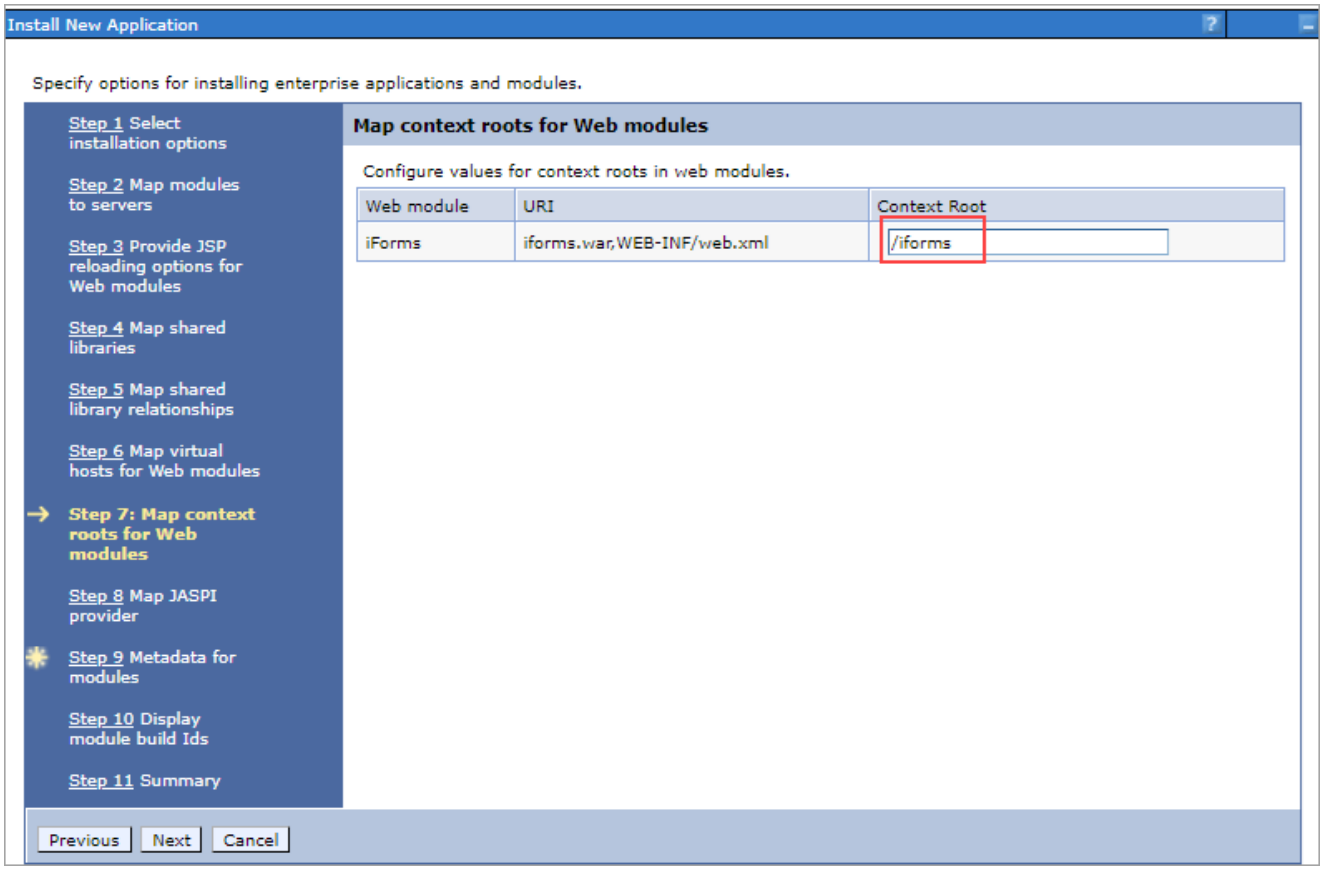
186. Select the **scan** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
187. Select **omnidocs_library** and move it to the Selected box.
188. Click **OK** to save the mapping.

189. Click **Save directly to the master configuration**. On the successful deployment of the scan application, it appears in the list of installed applications.
190. Click the **scan** link.
191. Click the **Configuration** tab.
192. In the Modules section, click the **Manage Modules** link. The Manage Modules page appears.
193. Click the **scan.war** link. The page to configure the *scan.war* appears.
194. Select the **Classes loaded with local class loader first (parent last)** option from the Class loader order list.
195. Click **OK** to save the configuration.
196. Click **Save directly to the master configuration**.
197. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
198. Select the **Local file system** option.
199. Click **Browse** and select the location of the *ODpms.ear* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
200. Click **Next**.
201. Select **Detailed - Show all installation options and parameters**.
202. Click **Next**.
203. Click **Continue** on the Application Security Warnings screen.
204. On the Select installation option page, specify the Web Module name as **ODpms** in the **Application Name** box.
205. Click **Next**. The Map modules to servers page appears.
206. Click **Next**. The Provide JSP reloading options for Web modules page appears.
207. Click **Next**. The Map shared libraries page appears.
208. Select the **ODpms** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
209. Select **omnidocs_library** and move it to the Selected box.
210. Click **OK** to save.
211. Click **Next**. The Map shared library relationships page appears.
212. Click **Next**. The Map virtual hosts for Web modules page appears.
213. Click **Next**. The Map context roots for Web modules page appears.
214. Enter Context Root as **/ODPms**.



215. Click **Next**. The Map JASPI provider page appears.
216. Click **Next**. The Metadata for modules page appears.
217. Click **Next**. The Display module build Ids page appears.
218. Click **Next**. The Summary page appears.
219. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
220. Click **Save directly to the master configuration**. On the successful deployment of the ODPms application, it appears in the list of installed applications.
221. Click the **ODPms** link.
222. Click the **Configuration** tab.
223. In the Modules section, click the **Manage Modules** link. The Manage Modules page appears.
224. Click the **ODPms.war** link. The page to configure the *ODPms.war* appears.
225. Select the **Classes loaded with local class loader first (parent last)** option from the Class loader order list.
226. Click **OK** to save the configuration.
227. Click **Save directly to the master configuration**.
228. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
229. Select the **Local file system** option.

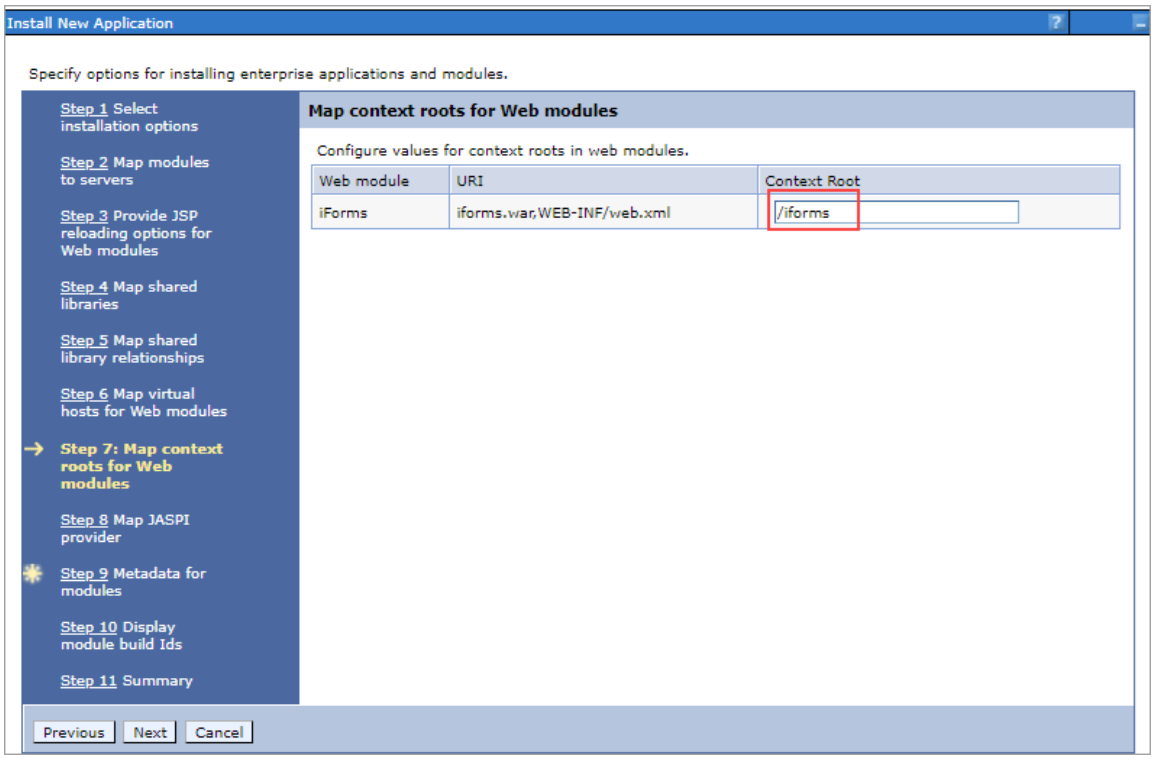
230. Click **Browse** and select the location of the *iforms.ear* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
231. Click **Next**.
232. Select **Detailed - Show all installation options and parameters**.
233. Click **Next**.
234. Click **Continue** on the Application Security Warnings screen.
235. On the Select installation option page, specify the Web Module name as **iforms** in the **Application Name** box.
236. Click **Next**. The Map modules to servers page appears.
237. Click **Next**. The Provide JSP reloading options for Web modules page appears.
238. Click **Next**. The Map shared libraries page appears.
239. Select the **iforms** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
240. Click **OK** to save.
241. Click **Next**. The Map shared library relationships page appears.
242. Click **Next**. The Map virtual hosts for Web modules page appears.
243. Click **Next**. The Map context roots for Web modules page appears.



244. Enter Context Root as **/iforms**.

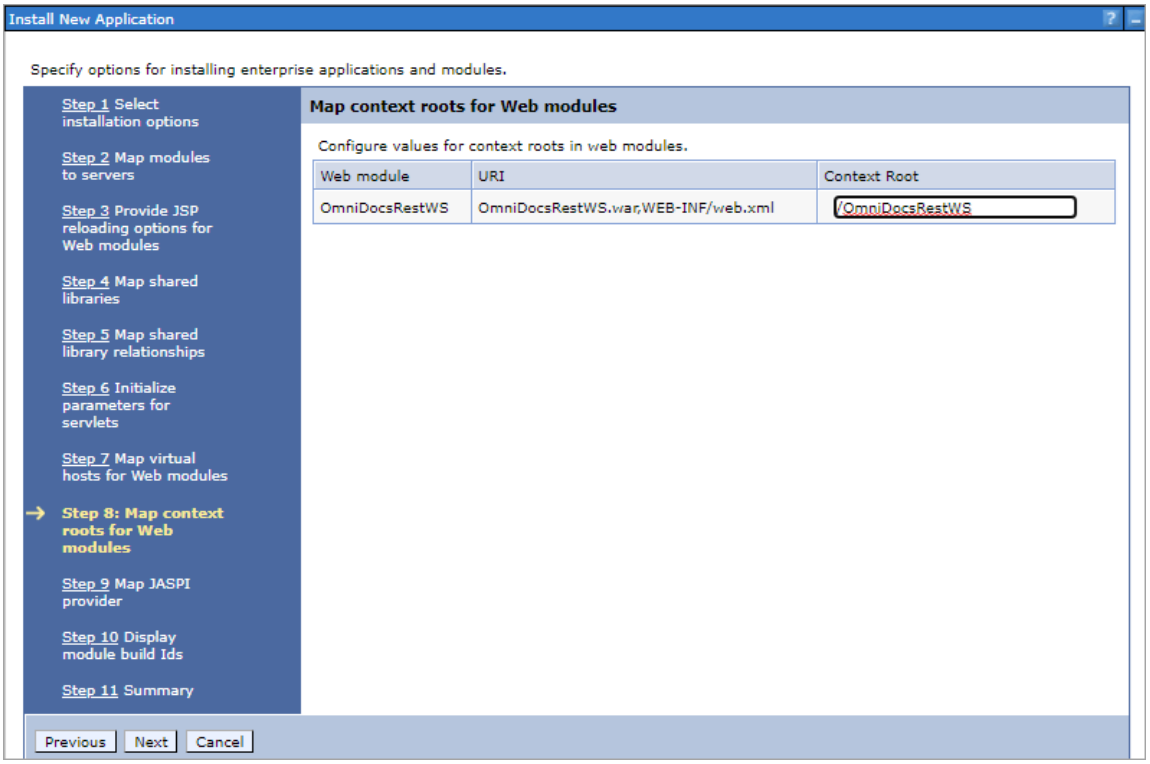
245. Click **Next**. The Map JASPI provider page appears.
246. Click **Next**. The Metadata for modules page appears.
247. Click **Next**. The Display module build Ids page appears.
248. Click **Next**. The Summary page appears.
249. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
250. Click **Save directly to the master configuration**. On the successful deployment of the iforms application, it appears in the list of installed applications.
251. Click the **iforms** link.
252. Click the **Configuration** tab.
253. In the Modules section, click the **Manage Modules** link. The Manage Modules page appears.
254. Click the **iforms** link. The page to configure the *iforms.war* appears.
255. Select the **Classes loaded with local class loader first (parent last)** option from the Class loader order list.
256. Click **OK** to save the configuration.
257. Click **Save directly to the master configuration**.
258. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
259. Select the **Local file system** option.
260. Click **Browse** and select the location of the *formviewer.ear* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
261. Click **Next**.
262. Select **Detailed - Show all installation options and parameters**.
263. Click **Next**.
264. Click **Continue** on the Application Security Warnings screen.
265. On the Select installation option page, specify the Web Module name as **formviewer** in the **Application Name** box.
266. Click **Next**. The Map modules to servers page appears.
267. Click **Next**. The Provide JSP reloading options for Web modules page appears.
268. Click **Next**. The Map shared libraries page appears.
269. Select the **formviewer** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
270. Select **omnidocs_library** and **webservice_library** and move them to the Selected box.
271. Click **OK** to save.
272. Click **Next**. The Map shared library relationships page appears.
273. Click **Next**. The Map virtual hosts for Web modules page appears.

274. Click **Next**. The Map context roots for Web modules page appears.

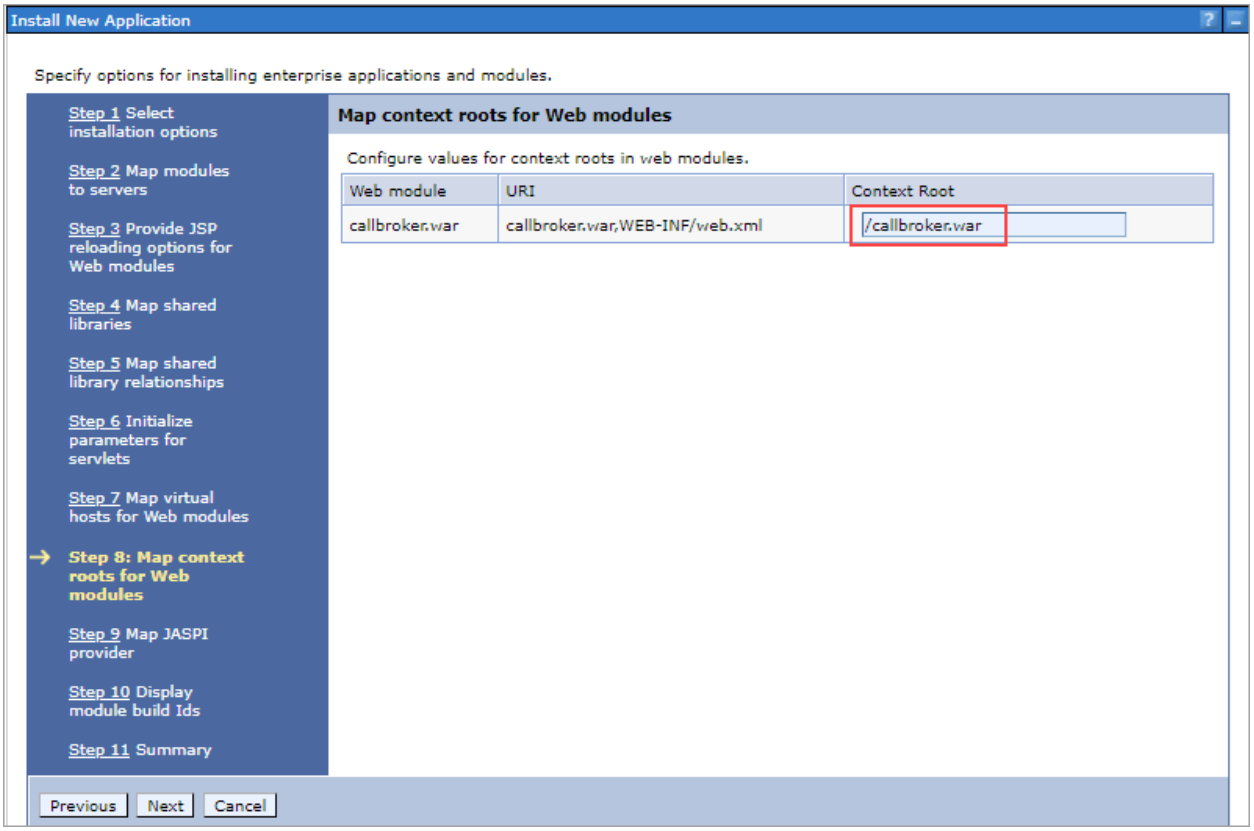


275. Enter Context Root as **/formviewer**.
276. Click **Next**. The Map JASPI provider page appears.
277. Click **Next**. The Metadata for modules page appears.
278. Click **Next**. The Display module build Ids page appears.
279. Click **Next**. The Summary page appears.
280. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
281. Click **Save directly to the master configuration**. On the successful deployment of the formviewer application, it appears in the list of installed applications.
282. Click the **formviewer** link.
283. Click the **Configuration** tab.
284. In the Modules section, click the **Manage Modules** link. The Manage Modules page appears.
285. Click the **formviewer.war** link. The page to configure the formviewer.war appears.
286. Select the **Classes loaded with local class loader first (parent last)** option from the Class loader order list.
287. Click **OK** to save the configuration.
288. Click **Save directly to the master configuration**.
289. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.

290. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
291. Select the **Local file system** option.
292. Click **Browse** and select the location of the *OmniDocsRestWS.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
293. Click **Next**.
294. Select **Detailed - Show all installation options and parameters**.
295. Click **Next**.
296. On the Select installation option page, specify the Web Module name as **OmniDocsRestWS** in the **Application Name** box.
297. Click **Next**. The Map modules to servers page appears.
298. Click **Next**. The Provide JSP reloading options for Web modules page appears.
299. Click **Next**. The Map shared libraries page appears.
300. Select the **OmniDocsRestWS** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
301. Select **omnidocs_library** and **webservice_library** move them to the Selected box.
302. Click **OK** to save.
303. Click **Next**. The Map shared library relationships page appears.
304. Click **Next**. The Initialize parameters for servlets page appears.
305. Click **Next**. The Map virtual hosts for Web modules page appears.
306. Click **Next**. The Map context roots for Web modules page appears.



307. Enter Context Root as **/OmniDocsRestWS**.
308. Click **Next**. The Map JASPI provider page appears.
309. Click **Next**. The Display module build Ids page appears.
310. Click **Next**. The Summary page appears.
311. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
312. Click **Save directly to the master configuration**. On the successful deployment of the formviewer application, it appears in the list of installed applications.
313. Under **Applications**, click **New Application**. The Preparing for the application installation screen appears.
314. Select the **Local file system** option.
315. Click **Browse** and select the location of the *callbroker.war* file located in the *<WAS_HOME>/profiles/<WAS_Profile>/installableApps* directory.
316. Click **Next**.
317. Select **Detailed - Show all installation options and parameters**.
318. Click **Next**.
319. Click **Continue** on the Application Security Warnings screen.
320. On the Select installation option page, specify the Web Module name as **callbroker** in the **Application Name** box.
321. Click **Next**. The Map modules to servers page appears.
322. Click **Next**. The Provide JSP reloading options for Web modules page appears.
323. Click **Next**. The Map shared libraries page appears.
324. Select the **callbroker_war** checkbox and click **Reference shared libraries**. The Shared Library Mapping appears.
325. Select **omnidocs_library** and move it to the Selected box.
326. Click **OK** to save.
327. Click **Next**. The Map shared library relationships page appears.
328. Click **Next**. The Initialize parameters for servlets page appears.
329. Click **Next**. The Map virtual hosts for Web modules page appears.
330. Click **Next**. The Map context roots for Web modules page appears.



331. Enter Context Root as **/callbroker.war**.
332. Click **Next**. The Map JASPI provider page appears.
333. Click **Next**. The Display module build Ids page appears.
334. Click **Next**. The Summary page appears.
335. Click **Finish**. The application successfully gets installed and a confirmation message for the same appears.
336. Click **Save directly to the master configuration**. On the successful deployment of the callbroker application, it appears in the list of installed applications.
337. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.
338. Select the **omnidocs_ejb, OpAll, scan, formviewer, ODPms, iforms, and callbroker.war, omnidocs, ODpms,** and **OmniDocsRestWS** checkboxes.
339. Click **Start** to start the selected applications.

Setting up and running Wrapper

To set up and run wrapper services, perform the following steps:

1. Copy the *Wrapper* directory from the *OmniDocs Server/OmniDocs-Server-WAS* folder to the machine where the WebSphere application server is running.
2. Edit the *RunWrapper.sh* for Linux or *RunWrapper.bat* file for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"Wrapper_Lib/":. com.newgen.wrapper.NGEjbClient*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"Wrapper_Lib/*" com.newgen.wrapper.NGEjbClient*

3. Go to the *ngdbini* folder located in *<Wrapper directory>Newgen/NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>

<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>

<endPointURL>http://127.0.0.1:9080/callbroker/execute/GenericCallBroker</
endPointURL>
```

4. Open the command prompt and change the working directory to *<Wrapper-Directory>*.
5. Execute the *RunWrapper.sh* for Linux or *RunWrapper.bat* for Windows in the command prompt to run the wrapper at the Client port (3333) and Admin port (9999).

If the default port of the Wrapper is used, then change the Wrapper port in the *NGOWrapper.xml* file present in the *Wrapper/Newgen/NGConfig/NGDBini* folder.

```
<?xml version="1.0"?>
<WrapperInfo>
      <WrapperIP>127.0.0.1</WrapperIP>
      <WrapperPort>3333</WrapperPort>
      <AdminPort>9999</AdminPort>
      <SocketTimeOut>60</SocketTimeOut>
      <AdminStart>Y</AdminStart>
      <Debug>N</Debug>
      <CharacterSet>UTF-8</CharacterSet>
      <ClientMaxConnAllowed>100</ClientMaxConnAllowed>
</WrapperInfo>
```

Creating cabinet and SMS

To create a cabinet and SMS, perform the following steps:

1. Copy the Common Services for J2EE folder from the *Omnidocs Server/OmniDocs-Server-WAS/Common Services* for J2EE folder to the server machine.
2. Go to the *OSA* directory, edit the *RunAdmin.sh* for Linux or *RunAdmin.bat* for Windows, and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame

3. Open the command prompt and change the working directory to *<OSA-Directory>*.
4. Execute the *RunAdmin.sh* for Linux or *RunAdmin.bat* for Windows script in the command prompt to launch OSA.

   For details on the cabinet creation, refer to the *NewgenONE OmniDocs Service Administration Guide*.

5. Go to the *ThumbnailManager* directory, and edit the *run.sh* file for Linux or *run.bat* file for Windows, and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/*":. com.newgen.thumbnail.ThumbnailSchedule	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule

6. Go to the *ThumbnailManager/lib* directory, open *Omni_Configurations.xml*, and edit it as given below:
   When using the default configuration location (application server home folder), leave the path blank in the *Omni_Configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.
   - Default *Newgen* folder location: The application server home folder.

- Custom *Newgen* folder location: A location other than the application server home folder can be called a custom folder location.
  Refer to the below example:

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!-- OmniDocs Server Configuration -->
<!--
=========================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
</PathInfo>
```

7. Go to the *ngdbini* folder in *<ThumbnailManager directory>/Newgen/NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:9080/callbroker/execute/GenericCallBroker</
endPointURL>
```

8. Go to the *Scheduler* directory, edit *Scheduler.sh* for Linux or *Scheduler.bat* for Windows, and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/*":. com.newgen.scheduler.process.RunScheduler	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.scheduler.process.RunScheduler

9. Go to the *ngdbini* folder in the Scheduler directory and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:9080/callbroker/execute/GenericCallBroker</
endPointURL>
```

10. Go to the *Scheduler/lib* directory, open *Omni_Configurations.xml*, and edit it as given below:
    When using the default configuration location (application server home folder), leave the path blank in the *Omni_Configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the Newgen folder.
    - Default Newgen folder location: The application server home folder.
    - Custom Newgen folder location: A location other than the application server home folder can be called a custom folder location.
      Refer to the below example:

```
<?xml version="1.0"?>
<!--
=============================================================================
-->
<!-- OmniDocs Server Configuration -->
<!--
=============================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
```

```
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
</PathInfo>
```

11. Go to the *AlarmMailer* directory, and edit *run.sh* file for Linux or *run.bat* file for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/*":. com.newgen.alarmmailer.ODAlarmMailer	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"AlarmMailer_Lib/*" com.newgen.alarmmailer.ODAlarmMailer

12. Go to the *ngdbini* folder in *<AlarmMailer directory>\Newgen\NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:9080/callbroker/execute/GenericCallBroker</
endPointURL>
```

13. Go to the *AlarmMailer_Lib* directory, open *Omni_Configurations.xml*, and edit it as given below:
    When using the default configuration location (application server home folder), leave the path blank in the *Omni_Configurations.xml* file. If you are using a custom location, then edit the *Omni_Configurations.xml* file to specify the parent directory path of the custom location of the *Newgen* folder.
    - Default *Newgen* folder location: The application server home folder.

- Custom *Newgen* folder location: A location other than the application server home folder can be called a custom folder location.
  Refer to the below example:

```
<?xml version="1.0"?>
<!--
=========================================================================
-->
<!-- OmniDocs Server Configuration -->
<!--
=========================================================================
-->
<PathInfo>
<Location>
 <Name>Omni_Config_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Logs_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Temp_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
<Location>
 <Name>Omni_Cache_Location</Name>
 <Path></Path>
 <CustomProperty></CustomProperty>
</Location>
</PathInfo>
```

14. Go to the *SMS* directory and set the encoding as **UTF-8** in between the tags *<Encoding></Encoding>* in the file *<SMS-Directory>/server.ini*.
15. Edit *run.sh* for Linux or *run.bat* for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true -DFile.encoding="UTF-8" -classpath .:"SMS_Lib/*":. startSMS	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS

16. Open the command prompt and change the working directory to *<SMS-Directory>*.
17. Execute the *script run.sh* for Linux or *run.bat* for Windows to launch SMS.

> After cabinet association with the JTS and creating a data source, you must restart the OmniDocs application and the Wrapper.
> After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities.

Upgrading OmniDocs

This section describes how to upgrade the existing installation of OmniDocs to NewgenONE OmniDocs 11.3 on Linux and Windows operating systems on the following application servers.

- JBoss EAP
- Oracle WebLogic Server
- IBM WebSphere Application Server

Prerequisites

The following prerequisites must be met before upgrading to NewgenONE OmniDocs 11.3 JBoss EAP:

Requirements	Description
OmniDocs	Following are the supported OmniDocs version for upgrading to NewgenONE OmniDocs 11.3: • OmniDocs 11 SP1 • OmniDocs 11 SP1 Patch 1 • OmniDocs 11 SP1 Patch 3 • OmniDocs 11 SP2 • OmniDocs 11 SP2 Patch 1

Requirements	Description
OmniDocs services	OmniDocs services such as Alarm Mailer, OSA, Scheduler, SMS, and Thumbnail Manager must be in stop mode.
Supported JDK	The supported Java versions are: • RedHat OpenJDK 1.8 • JDK or JRE 1.8 (update 91 and later) • JDK 11 • JDK 17 (compatible with JBoss EAP 7.4.8 and later) Set the JAVA_HOME path as per the application server.
Supported operating systems	• Linux: ◦ Red Hat Linux 7.0 ◦ Red Hat Linux 8.0 ◦ Red Hat Linux 8.3 • Windows: ◦ Windows Server 2016 ◦ Windows Server 2019 ◦ Windows Server 2022
Supported application servers	• Red Hat JBoss Enterprise Application Platform (JBoss EAP) ◦ JBoss EAP 7.4.10 ◦ JBoss EAP 7.4.12 If you are using the JBoss version 7.4.8 and later, and JDK version 17 and later, then go to the <JBoss-home>/Bin folder and execute the following file using the command prompt: • Linux — ./jboss-cli.sh --file=/<JBoss-home>/jboss-eap-7.4/docs/examples/enable-elytron-se17.cli • Windows — jboss-cli.bat --file=<JBoss-home>\jboss-eap-7.4\docs\examples\enable-elytron-se17.cli Here, <JBoss-home> refers to the JBoss application server home directory. • Oracle WebLogic Server ◦ WebLogic 12.2.1.4 ◦ WebLogic 14c • IBM WebSphere Application Server ◦ WebSphere 9.0.5.7 (Installed with IBM SDK 8) ◦ WebSphere 9.0.5.15 (installed with IBM SDK 8)

<table>
<tr><th>Requirements</th><th>Description</th></tr>
<tr><td rowspan="2">Supported databases</td><td>

Microsoft SQL

Microsoft SQL Server 2019
Microsoft SQL Server 2022

Microsoft Azure
Microsoft SQL RDS
Oracle

Oracle 18c
Oracle 19c

PostgreSQL

PostgreSQL 14.4
PostgreSQL 15.2

</td></tr>
<tr><td>
Make sure, SYS as SYSDBA or the following rights are provided for cabinet creation on the Oracle database:

CREATE ANY PROCEDURE
CREATE ANY TYPE-- WITH ADMIN OPTION
CREATE TABLESPACE
CREATE USER
CREATE PROCEDURE -- WITH ADMIN OPTION
CREATE SEQUENCE -- WITH ADMIN OPTION
CREATE SESSION-- WITH ADMIN OPTION
CREATE TABLE-- WITH ADMIN OPTION
CREATE TRIGGER-- WITH ADMIN OPTION
CREATE VIEW-- WITH ADMIN OPTION
SELECT ANY DICTIONARY-- WITH ADMIN OPTION

In the case of Oracle RDS, the following additional rights are required:

SELECT_CATALOG_ROLE
EXECUTE_CATALOG_ROLE
Execute permission on the CTX_DDL package

A user must be created with the above permissions. A blank schema must be created for this user.
The Blank schema and user are used for cabinet creation.

</td></tr>
<tr><td>Others</td><td>

Administrative rights on the machine.
Make sure the application server is in stop mode.
The installation folder and application server folder must be excluded from antivirus, antimalware, and scanning services.

</td></tr>
</table>

Upgrading OmniDocs on JBoss EAP

To manually upgrade OmniDocs to NewgenONE OmniDocs 11.3 on JBoss EAP, perform the following steps:

From here on:

- <JBoss_HOME> refers to */root/jboss-eap-7.x* in the case of Linux and *c\jboss-eap-7.x* in the case of Windows.
- JBoss-EAP 7.x application server must be in stop mode while starting the NewgenONE OmniDocs 11.3 installation.
- <BASE_SETUP_DIR> refers to OmniDocs-JbossEAP path *OmniDocs11.3_Jboss7.x/OmniDocs-Server* for Linux or *OmniDocs11.3_Jboss7.x\OmniDocs-Server* for Windows,

1. Take a backup of the following files and folders from the *<JBoss_HOME>\bin* folder:

   - AddInsConfig
   - omniflow configuration
   - OmniDocs_ version.xml
   - HDFSKeyTab.xml
   - mssql
   - oracle
   - IS.ini
   - ISlog4j.properties
   - ngdbini
   - postgres
   - Seclore_logs

2. Copy the Newgen folder as given below:
   - In the case of Linux

From	To
<BASE_SETUP_DIR>/ AppServer/bin	*<JBoss_HOME>/bin*

   - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\bin	*<JBoss_HOME>\bin*

3. Take a backup of the *omnidocs_library* folder present inside *<JBoss_HOME>/ modules* from the already installed base version of OmniDocs.
4. Remove the following jar files from the *omnidocs_library* folder:

   - xmlbeans-2.3.0.jar
   - protobuf-java-3.21.1.jar
   - netty-buffer-4.1.101.Final.jar

- json.jar
- poi-3.16.jar
- poi-ooxml-3.16.jar
- poi-ooxml-schemas-3.16.jar
- xmlbeans-2.6.0.jar
- guava-11.0.2.jar
- common-lang3.jar
- commons-lang-2.6.jar
- commons-io-2.0.1.jar
- bcpkix-jdk15on-1.70.jar
- bcprov-jdk15on-1.70.jar
- commons-collections4-4.1.jar
- elasticsearch-7.17.4.jar
- elasticsearch-core-7.17.4.jar
- elasticsearch-x-content-7.17.4.jar
- fontbox-2.0.26.jar
- guava-31.1-jre.jar
- slf4j-api-1.7.30.jar
- xom-1.2.6.jar
- xom-1.3.7.jar
- jersey-media-multipart-2.40.jar
- jackson-annotations-2.14.1.jar
- activation.jar
- json-20230618.jar
- jackson-databind-2.15.2.jar
- jackson-dataformat-cbor-2.15.2.jar
- jackson-core-2.15.2.jar
- jackson-annotations-2.15.2.jar
- azure-core-1.45.1.jar
- azure-identity-1.11.1.jar
- azure-core-http-netty-1.13.11.jar
- azure-security-keyvault-secrets-4.7.3.jar
- bcpkix-jdk18on-1.75.jar
- bcprov-jdk18on-1.75.jar
- netty-codec-4.1.101.Final.jar
- netty-codec-http-4.1.101.Final.jar
- netty-codec-http2-4.1.101.Final.jar
- netty-common-4.1.101.Final.jar
- netty-handler-4.1.101.Final.jar
- netty-handler-proxy-4.1.101.Final.jar
- netty-resolver-4.1.101.Final.jar
- netty-resolver-dns-4.1.101.Final.jar
- netty-tcnative-boringssl-static-2.0.62.Final.jar
- netty-transport-4.1.101.Final.jar
- netty-transport-classes-epoll-4.1.101.Final.jar
- netty-transport-classes-kqueue-4.1.101.Final.jar
- netty-transport-native-unix-common-4.1.101.Final.jar
- nimbus-jose-jwt-9.31.jar
- oauth2-oidc-sdk-10.7.1.jar
- reactor-core-3.4.34.jar
- reactor-netty-core-1.0.39.jar

- jackson-core-2.14.1.jar
- jackson-core-asl-1.9.13.jar
- jackson-databind-2.14.1.jar
- jackson-dataformat-cbor-2.14.1.jar
- jackson-mapper-asl-1.9.13.jar
- javax.mail.jar
- json-20220320.jar
- json-smart-2.4.8.jar
- msal4j-1.11.0.jar
- nglog4j.jar
- nimbus-jose-jwt-9.22.jar
- commons-codec-1.15.jar
- commons-io-2.11.0.jar
- commons-lang3-3.12.0.jar
- commons-compress-1.21.jar
- guava-32.0.1-jre.jar
- ion-java-1.0.2.jar
- itext-licensekey-3.1.5.jar
- itextpdf-5.5.13.3.jar
- jackson-datatype-jsr310-2.16.0.jar
- msal4j-1.13.8.jar
- msal4j-persistence-extension-1.2.0.jar
- reactor-netty-http-1.0.39.jar
- txw2-2.3.3-b02.jar
- elasticsearch-7.17.14.jar
- elasticsearch-core-7.17.14.jar
- elasticsearch-x-content-7.17.14.jar
- log4j-api-2.19.0.jar
- log4j-core-2.19.0.jar
- elasticsearch-7.17.21.jar
- elasticsearch-core-7.17.21.jar
- elasticsearch-x-content-7.17.21.jar
- oauth2-oidc-sdk-9.7.jar

5. Then, remove the following jar files entries from module.xml file:
    - <resource-root path="xmlbeans-2.3.0.jar"/>
    - <resource-root path="json.jar"/>
    - <resource-root path="poi-3.16.jar"/>
    - <resource-root path="poi-ooxml-3.16.jar"/>
    - <resource-root path="poi-ooxml-schemas-3.16.jar"/>
    - <resource-root path="xmlbeans-2.6.0.jar"/>
    - <resource-root path="guava-11.0.2.jar"/>
    - <resource-root path="common-lang3.jar"/>
    - <resource-root path="commons-lang-2.6.jar"/>
    - <resource-root path="commons-io-2.0.1.jar"/>
    - <resource-root path="bcpkix-jdk15on-1.70.jar"/>
    - <resource-root path="bcprov-jdk15on-1.70.jar"/>
    - <resource-root path="commons-collections4-4.1.jar"/>
    - <resource-root path="elasticsearch-7.17.4.jar"/>
    - <resource-root path="elasticsearch-core-7.17.4.jar"/>

- <resource-root path="elasticsearch-x-content-7.17.4.jar"/>
- <resource-root path="fontbox-2.0.26.jar"/>
- <resource-root path="guava-31.1-jre.jar"/>
- <resource-root path="jackson-core-2.14.1.jar"/>
- <resource-root path="jackson-core-asl-1.9.13.jar"/>
- <resource-root path="jackson-databind-2.14.1.jar"/>
- <resource-root path="jackson-dataformat-cbor-2.14.1.jar"/>
- <resource-root path="jackson-mapper-asl-1.9.13.jar"/>
- <resource-root path="javax.mail.jar"/>
- <resource-root path="json-20220320.jar"/>
- <resource-root path="json-smart-2.4.8.jar"/>
- <resource-root path="msal4j-1.11.0.jar"/>
- <resource-root path="nglog4j.jar"/>
- <resource-root path="nimbus-jose-jwt-9.22.jar"/>
- <resource-root path="oauth2-oidc-sdk-9.7.jar"/>
- <resource-root path="protobuf-java-3.21.1.jar"/>
- <resource-root path="slf4j-api-1.7.30.jar"/>
- <resource-root path="xom-1.2.6.jar"/>
- <resource-root path="xom-1.3.7.jar"/>
- <resource-root path="jersey-media-multipart-2.40.jar"/>
- <resource-root path="jackson-annotations-2.14.1.jar"/>
- <resource-root path="activation.jar"/>
- <resource-root path="json-20230618.jar"/>
- <resource-root path="jackson-databind-2.15.2.jar"/>
- <resource-root path="jackson-dataformat-cbor-2.15.2.jar"/>
- <resource-root path="jackson-core-2.15.2.jar"/>
- <resource-root path="jackson-annotations-2.15.2.jar"/>
- <resource-root path="azure-core-1.45.1.jar"/>
- <resource-root path="azure-identity-1.11.1.jar"/>
- <resource-root path="azure-core-http-netty-1.13.11.jar"/>
- <resource-root path="azure-security-keyvault-secrets-4.7.3.jar"/>
- <resource-root path="bcpkix-jdk18on-1.75.jar"/>
- <resource-root path="bcprov-jdk18on-1.75.jar"/>
- <resource-root path="commons-codec-1.15.jar"/>
- <resource-root path="commons-io-2.11.0.jar"/>
- <resource-root path="commons-lang3-3.12.0.jar"/>
- <resource-root path="commons-compress-1.21.jar"/>
- <resource-root path="guava-32.0.1-jre.jar"/>

- <resource-root path="ion-java-1.0.2.jar"/>
- <resource-root path="itext-licensekey-3.1.5.jar"/>
- <resource-root path="itextpdf-5.5.13.3.jar"/>
- <resource-root path="jackson-datatype-jsr310-2.16.0.jar"/>
- <resource-root path="msal4j-1.13.8.jar"/>
- <resource-root path="msal4j-persistence-extension-1.2.0.jar"/>
- <resource-root path="netty-buffer-4.1.101.Final.jar"/>
- <resource-root path="netty-codec-4.1.101.Final.jar"/>
- <resource-root path="netty-codec-http-4.1.101.Final.jar"/>
- <resource-root path="netty-codec-http2-4.1.101.Final.jar"/>
- <resource-root path="netty-common-4.1.101.Final.jar"/>
- <resource-root path="netty-handler-4.1.101.Final.jar"/>
- <resource-root path="netty-handler-proxy-4.1.101.Final.jar"/>
- <resource-root path="netty-resolver-4.1.101.Final.jar"/>
- <resource-root path="netty-resolver-dns-4.1.101.Final.jar"/>
- <resource-root path="netty-tcnative-boringssl-static-2.0.62.Final.jar"/>
- <resource-root path="netty-transport-4.1.101.Final.jar"/>
- <resource-root path="netty-transport-classes-epoll-4.1.101.Final.jar"/>
- <resource-root path="netty-transport-classes-kqueue-4.1.101.Final.jar"/>
- <resource-root path="netty-transport-native-unix-common-4.1.101.Final.jar"/>
- <resource-root path="nimbus-jose-jwt-9.31.jar"/>
- <resource-root path="oauth2-oidc-sdk-10.7.1.jar"/>
- <resource-root path="reactor-core-3.4.34.jar"/>
- <resource-root path="reactor-netty-core-1.0.39.jar"/>
- <resource-root path="reactor-netty-http-1.0.39.jar"/>
- <resource-root path="txw2-2.3.3-b02.jar"/>
- <resource-root path="elasticsearch-7.17.14.jar"/>
- <resource-root path="elasticsearch-core-7.17.14.jar"/>
- <resource-root path="elasticsearch-x-content-7.17.14.jar"/>
- <resource-root path="log4j-api-2.19.0.jar"/>
- <resource-root path="log4j-core-2.19.0.jar"/>
- <resource-root path="elasticsearch-7.17.21.jar"/>
- <resource-root path="elasticsearch-core-7.17.21.jar"/>
- <resource-root path="elasticsearch-x-content-7.17.21.jar"/>

6. Copy the *omnidocs_library* folder as given below:
    - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/modules	*<JBoss_HOME>/modules*

- In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\modules	*<JBoss_HOME>\modules*

7. Add the following jar files entries in *module.xml* file:
   - <resource-root path="ejbclient.jar"/>
   - <resource-root path="ISPack.jar"/>
   - <resource-root path="jdts.jar"/>
   - <resource-root path="nsms.jar"/>
   - <resource-root path="omnidocs_hook.jar"/>
   - <resource-root path="omnishared.jar"/>
   - <resource-root path="odwebshared.jar"/>
   - <resource-root path="SecurityAPI.jar"/>
   - <resource-root path="NIPLJ.jar"/>
   - <resource-root path="aws-java-sdk-core-1.12.264.jar"/>
   - <resource-root path="aws-java-sdk-kms-1.12.264.jar"/>
   - <resource-root path="aws-java-sdk-s3-1.12.264.jar"/>
   - <resource-root path="aws-java-sdk-secretsmanager-1.12.264.jar"/>
   - <resource-root path="ion-java-1.5.1.jar"/>
   - <resource-root path="jmespath-java-1.12.264.jar"/>
   - <resource-root path="bcpkix-jdk18on-1.78.1.jar"/>
   - <resource-root path="bcprov-jdk18on-1.78.1.jar"/>
   - <resource-root path="bcutil-jdk18on-1.75.jar"/>
   - <resource-root path="commons-io-2.16.1.jar"/>
   - <resource-root path="xmlbeans-5.1.0.jar"/>
   - <resource-root path="commons-codec-1.17.0.jar"/>
   - <resource-root path="httpclient-4.5.13.jar"/>
   - <resource-root path="httpcore-4.4.15.jar"/>
   - <resource-root path="javax.json-1.1.4.jar"/>
   - <resource-root path="jackson-dataformat-cbor-2.16.0.jar"/>
   - <resource-root path="javax.mail-1.6.2.jar"/>
   - <resource-root path="joda-time-2.10.14.jar"/>
   - <resource-root path="json-simple-1.1.1.jar"/>

- <resource-root path="json.jar"/>
- <resource-root path="azure-storage-8.6.6.jar"/>
- <resource-root path="poi-5.2.2.jar"/>
- <resource-root path="poi-ooxml-5.2.2.jar"/>
- <resource-root path="poi-ooxml-lite-5.2.2.jar"/>
- <resource-root path="poi-scratchpad-5.2.2.jar"/>
- <resource-root path="xlsx-streamer-2.2.0.jar"/>
- <resource-root path="commons-collections4-4.5.0-M1.jar"/>
- <resource-root path="Amazon.jar"/>
- <resource-root path="Azure.jar"/>
- <resource-root path="guava-33.0.0-jre.jar"/>
- <resource-root path="protobuf-java-3.23.3.jar"/>
- <resource-root path="HCP.jar"/>
- <resource-root path="adal4j-1.6.7.jar"/>
- <resource-root path="commons-lang3-3.14.0.jar"/>
- <resource-root path="ibps-sec.jar"/>
- <resource-root path="ngutility.jar"/>
- <resource-root path="xom-1.3.8.jar"/>
- <resource-root path="format-preserving-encryption-1.0.0.jar"/> <!-- For new CDKey generation-->
- <resource-root path="org.everit.json.schema-1.5.1.jar"/>
- <resource-root path="justify-0.16.0-SNAPSHOT.jar"/>
- <resource-root path="handy-uri-templates-2.1.6.jar"/>
- <resource-root path="nglogger.jar"/>
- <resource-root path="Security.jar"/>
- <resource-root path="commons-compress-1.26.1.jar"/>
- <resource-root path="log4j-api-2.23.1.jar"/>
- <resource-root path="log4j-core-2.23.1.jar"/>
- <resource-root path="simplecaptcha-1.2.1.jar"/>
- <resource-root path="asm-9.1.jar"/>
- <resource-root path="accessors-smart-2.4.8.jar"/>
- <resource-root path="commons-logging-1.2.jar"/>
- <resource-root path="content-type-2.2.jar"/>
- <resource-root path="jackson-annotations-2.16.0.jar"/>
- <resource-root path="jackson-core-2.16.0.jar"/>
- <resource-root path="jackson-databind-2.16.0.jar"/>
- <resource-root path="json-20231013.jar"/>
- <resource-root path="json-smart-2.4.11.jar"/>

- <resource-root path="nimbus-jose-jwt-9.38-rc5.jar"/>
- <resource-root path="slf4j-api-1.7.36.jar"/>
- <resource-root path="fontbox-2.0.29.jar"/>
- <resource-root path="pdfbox-app-2.0.26.jar"/>
- <resource-root path="WebServicesHook.jar"/>
- <resource-root path="microsoft-graph-2.8.1.jar"/>
- <resource-root path="microsoft-graph-core-1.0.8.jar"/>
- <resource-root path="microsoft-graph-auth-0.3.0-SNAPSHOT.jar"/>
- <resource-root path="jakarta.activation-api-1.2.2.jar"/>
- <resource-root path="javax.activation-1.2.0.jar"/>
- <resource-root path="kotlin-stdlib-1.7.20.jar"/>
- <resource-root path="okhttp-4.10.0.jar"/>
- <resource-root path="okio-jvm-3.9.0.jar"/>
- <resource-root path="org.apache.oltu.oauth2.client-1.0.2.jar"/>
- <resource-root path="org.apache.oltu.oauth2.common-1.0.2.jar"/>
- <resource-root path="gson-2.11.0.jar"/>
- <resource-root path="aws-java-sdk-cloudfront-1.12.264.jar"/>
- <resource-root path="sun-jai_codec.jar"/>
- <resource-root path="lucene-core-8.11.1.jar"/>
- <resource-root path="levigo-jbig2-imageio-2.0.jar"/>
- <resource-root path="aopalliance-repackaged-2.6.1.jar"/>
- <resource-root path="hk2-api-2.6.1.jar"/>
- <resource-root path="hk2-locator-2.6.1.jar"/>
- <resource-root path="hk2-utils-2.6.1.jar"/>
- <resource-root path="jakarta.json.bind-api-1.0.2.jar"/>
- <resource-root path="jakarta.ws.rs-api-2.1.6.jar"/>
- <resource-root path="jakarta.xml.bind-api-2.3.3.jar"/>
- <resource-root path="javassist-3.29.2-GA.jar"/>
- <resource-root path="jersey-client.jar"/>
- <resource-root path="jersey-common.jar"/>
- <resource-root path="jersey-container-servlet-core.jar"/>
- <resource-root path="jersey-container-servlet.jar"/>
- <resource-root path="jersey-hk2.jar"/>
- <resource-root path="jersey-media-jaxb.jar"/>
- <resource-root path="jersey-media-json-binding.jar"/>
- <resource-root path="jersey-media-multipart-2.41.jar"/>
- <resource-root path="jersey-media-sse.jar"/>
- <resource-root path="jersey-server.jar"/>

- <resource-root path="mimepull-1.9.15.jar"/>
- <resource-root path="org.osgi.core-6.0.0.jar"/>
- <resource-root path="osgi-resource-locator-1.0.3.jar"/>
- <resource-root path="jakarta.persistence-api-2.2.3.jar"/>
- <resource-root path="secretmanager.jar"/>
- <resource-root path="jjwt-api-0.11.5.jar"/>
- <resource-root path="jjwt-impl-0.11.5.jar"/>
- <resource-root path="jjwt-jackson-0.11.5.jar"/>
- <resource-root path="jai-imageio-jpeg2000-1.4.0.jar"/>
- <resource-root path="jai-imageio-core-1.4.0.jar"/>
- <resource-root path="jaxb-api-2.3.1.jar"/>
- <resource-root path="opencsv-5.7.1.jar"/>
- <resource-root path="jackson-datatype-jsr310-2.17.0.jar"/>
- <resource-root path="jna-5.6.0.jar"/>
- <resource-root path="jna-platform-5.6.0.jar"/>
- <resource-root path="msal4j-1.15.0.jar"/>
- <resource-root path="msal4j-persistence-extension-1.3.0.jar"/>
- <resource-root path="oauth2-oidc-sdk-11.10.1.jar"/>
- <resource-root path="reactive-streams-1.0.4.jar"/>
- <resource-root path="txw2-2.3.9.jar"/>
- <resource-root path="azure-core-1.49.0.jar"/>
- <resource-root path="azure-core-http-netty-1.15.0.jar"/>
- <resource-root path="azure-identity-1.12.1.jar"/>
- <resource-root path="azure-json-1.1.0.jar"/>
- <resource-root path="azure-security-keyvault-secrets-4.8.1.jar"/>
- <resource-root path="netty-buffer-4.1.108.Final.jar"/>
- <resource-root path="netty-codec-4.1.108.Final.jar"/>
- <resource-root path="netty-codec-http-4.1.108.Final.jar"/>
- <resource-root path="netty-codec-http2-4.1.108.Final.jar"/>
- <resource-root path="netty-common-4.1.108.Final.jar"/>
- <resource-root path="netty-handler-4.1.108.Final.jar"/>
- <resource-root path="netty-handler-proxy-4.1.108.Final.jar"/>
- <resource-root path="netty-resolver-4.1.108.Final.jar"/>
- <resource-root path="netty-resolver-dns-4.1.108.Final.jar"/>
- <resource-root path="netty-tcnative-boringssl-static-2.0.65.Final.jar"/>
- <resource-root path="netty-transport-4.1.108.Final.jar"/>
- <resource-root path="netty-transport-classes-epoll-4.1.108.Final.jar"/>
- <resource-root path="netty-transport-classes-kqueue-4.1.108.Final.jar"/>

- <resource-root path="netty-transport-native-unix-common-4.1.108.Final.jar"/>
- <resource-root path="reactor-core-3.4.37.jar"/>
- <resource-root path="reactor-netty-core-1.1.18.jar"/>
- <resource-root path="reactor-netty-http-1.1.18.jar"/>
- <resource-root path="jackson-dataformat-xml-2.16.1.jar"/>
- <resource-root path="stax2-api-4.2.2.jar"/>
- <resource-root path="opencensus-api-0.31.1.jar"/>
- <resource-root path="opencensus-contrib-http-util-0.11.0.jar"/>
- <resource-root path="grpc-context-1.64.0.jar"/>
- <resource-root path="grpc-api-1.64.0.jar"/>
- <resource-root path="xmpbox-2.0.29.jar"/>
- <resource-root path="ffmpeg-6.0-1.5.9.jar"/>
- <resource-root path="ffmpeg-6.0-1.5.9-windows-x86_64.jar"/>
- <resource-root path="javacpp-1.5.9.jar"/>
- <resource-root path="javacpp-windows-x86_64.jar"/>
- <resource-root path="javacv-1.5.9.jar"/>
- <resource-root path="javacv-platform-1.5.9.jar"/>
- <resource-root path="jbig2-imageio-3.0.4.jar"/>
- <resource-root path="slf4j-nop-1.7.36.jar"/>
- <resource-root path="ffmpeg-6.0-1.5.9-linux-x86_64.jar"/>
- <resource-root path="javacpp-linux-x86_64.jar"/>

8. Take a backup of the deployments folder present inside *<JBoss_HOME>/standalone* from the already installed base version of OmniDocs. Once the backup is created, delete the contents of the original deployments folder.
9. Copy the contents of the deployments folder as given below:
    - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/standalone/deployments	*<JBoss_HOME>/standalone/deployments*

    - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\standalone\deployments	*<JBoss_HOME>\standalone\deployments*

10. Go to *<JBoss_HOME>/modules/omnidocs_library/main* for Linux or *<JBoss_HOME>\modules\omnidocs_library\main* for Windows and edit *Omni_Configurations.xml* to specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ============================================================================ -->
<!--  OmniDocs Server Configuration                                               -->
<!-- ============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

The specified path of configuration files and folders in *Omni_Configurations.xml* and *OmniflowWeb_Configuration.xml* files must not contain blank spaces.
For example, if files and folders are placed at the location */root/New* for Linux or *C:\New* for Windows, then the contents of this file must be updated as *<Path>/root/New</Path>* for Linux or *<Path>C:\New</Path>* for Windows.

11. Open a command terminal and navigate to *<JBoss_HOME>/bin* for Linux or *<JBoss_HOME>\bin* for Windows and execute the below command to start the Jboss-eap-7.x application server:

Linux	Windows
standalone.sh -b 0.0.0.0	standalone.bat -b 0.0.0.0

12. Remove the following files from the Wrapper_Lib folder:
    - nglog4j.jar
    - xom-1.2.6.jar
    - xom-1.3.7.jar
    - log4j-api-2.19.0.jar
    - log4j-core-2.19.0.jar

13. Copy the Wrapper folder from *<BASE_SETUP_DIR>* to its respective location on your server. Refer to the below path:
    - Linux: */root/OmniDocs11.3/Wrapper*
    - Windows: *C:\OmniDocs11.3\Wrapper*

    i. Edit the *RunWrapper.sh* in the case of Linux or *RunWrapper.bat* file in the case of Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" *-Dfile.encoding="UTF-8"* *-Djava.ext.dirs=Wrapper_Lib* *com.newgen.wrapper.NGEjbClient*	*"c:\jdk1.8.0_91\bin\java"* *-Dfile.encoding="UTF-8"* *-Djava.ext.dirs=Wrapper_Lib* *com.newgen.wrapper.NGEjbClient*

    ii. Open a command terminal and change the working directory to *<Wrapper-Directory>*. Then, execute the following command to run the wrapper at Client port (3333) and Admin port (9996).

Linux	Windows
RunWrapper.sh	RunWrapper.bat

    From now onwards, wherever you need to enter JTS IP and port, enter Wrapper IP and port.

    If the default port of the Wrapper is used, then change the Wrapper port in the NGOWrapper.xml file present in the Wrapper/Newgen/NGConfig/NGDBini folder.

```
<?xml version="1.0"?>
<WrapperInfo>
    <WrapperIP>127.0.0.1</WrapperIP>
    <WrapperPort>3333</WrapperPort>
    <AdminPort>9996</AdminPort>
    <SocketTimeOut>60</SocketTimeOut>
    <AdminStart>Y</AdminStart>
    <Debug>N</Debug>
    <CharacterSet>UTF-8</CharacterSet>
    <ClientMaxConnAllowed>100</ClientMaxConnAllowed>
</WrapperInfo
```

14. Navigate to the OSA folder located in */root/OmniDocs11.3/Common-Services* for J2EE for Linux or *C:\OmniDocs11.3\Common-Services* for J2EE for Windows and edit *RunAdmin.sh* for Linux or *RunAdmin.bat* file for Windows to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame

15. Open a command terminal and change the working directory to *<OSA-Directory>*. Then, execute the following command to launch OSA GUI:

Linux	Windows
RunAdmin.sh	RunAdmin.bat

16. Take a backup of *run.bat, run.sh*, and *JAR* files present in the SMS folder of the base version of OmniDocs. Once the backup is created, delete the original files of *run.bat, run.sh*, and *JARs*.
17. Copy *SMS_Lib, run.bat*, and *run.sh* from the *<BASE_SETUP_DIR>* to their respective locations on your server.
18. Go to the *SMS* folder in the Common Services for J2EE folder and edit the *run.sh* for Linux or *run.bat* for Windows file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true -DFile.encoding="UTF-8" -classpath .:"SMS_Lib/*":. startSMS	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS

19. Open a command terminal and change the working directory to *<SMS-Directory>*. Then, execute the following command to launch SMS:

Linux	Windows
run.sh	*run.bat*

20. Take a backup of *run.bat*, *run.sh*, *lib*, and *ngdbini* files and folders present in the *ThumbnailManager* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from the original location.

21. Copy *run.bat*, *run.sh*, *lib*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.

22. Navigate to the *ThumbnailManager* folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for J2EE	C:\OmniDocs11.3\Common-Services for J2EE

23. Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/*":. com.newgen.thumbnail.ThumbnailSchedule	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule

24. Open *Omni_Configurations.xml* and specify the path of *omni_configuration.xml*. Refer to the below example:

```
<?xml version="1.0"?>
<!-- ========================================================================= -->
<!--  OmniDocs Server Configuration                                            -->
<!-- ========================================================================= -->
```

```
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

25. Take a backup of *run.bat*, *run.sh*, *AlarmMailer_Lib*, and *ngdbini* files and folders, present in the *AlarmMailer* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from the original location.

26. Copy *run.bat*, *run.sh*, *AlarmMailer_LIb*, and *Newgen* from *<BASE_SETUP_DIR>* to their respective locations on your server.

27. Navigate to the *AlarmMailer* folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for j2EE/ AlarmMailer/lib	*C:\OmniDocs11.3\Common-Services for j2EE\AlarmMailer\lib*

    a. Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path.

Linux	
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/":. com.newgen.alarmmailer.ODAlarmMailer*	*"C:\Program Files\Java\jdk -classpath ;.;"AlarmMailer_ com.newgen.alarmmailer.*

b. Open the *Omni_configurations.xml* file located in *\AlarmMailer\lib* and specify the path of *omni_configuration.xml*. Refer to the below example:

```
<?xml version="1.0"?>
<!--
========================================================================== -->
<!--  OmniDocs Server Configuration
 -->
<!--
========================================================================== -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>

</Location>
```

28. Take a backup of *run.bat*, *run.sh*, *llb*, *servicelib*, and *ngdbini* files and folders, present in the *Scheduler* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from the original location.
29. Copy *run.bat*, *run.bat*, *run.sh*, *llb*, *servicelib*, and *Newgen* from *<BASE_SETUP_DIR>* to their respective locations on your server.
30. Navigate to the *Scheduler* folder located in:

Linux	Windows
/root/OmniDocs11.3/Common-Services for j2EE/ Scheduler/lib	*C:\OmniDocs11.3\Common-Services for j2EE\Scheduler\lib*

a. Edit the *run.sh* for Linux or *run.bat* file for Windows and specify the correct Java path.

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/":. com.newgen.scheduler.process.RunScheduler*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.scheduler.process.RunScheduler*

b. Open the *Omni_configurations.xml* file located in *Scheduler/lib* and specify the path of *omni_configuration.xml*. Refer to the below example:

```
 <?xml version="1.0"?>
<!--
============================================================================ -->
<!--  OmniDocs Server Configuration
 -->
<!--
============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
```

31. Execute the provided difference Java code as follows:

```
"JAVA_HOME" Difference "/source_path" "destination_path"
```

For example:

```
"java_home\bin\java" Difference
"Jboss_Home\bin\Newgen\NgConfig\ngdbini\odwebini\eworkstyle.ini"
"Manual_Package\tobeappend\eworkstyle.ini"
```

After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities

Upgrading OmniDocs on Oracle WebLogic Server

This section describes how to manually upgrade OmniDocs to NewgenONE OmniDocs 11.3 on the WebLogic application server:

From here on:

- *<WL_HOME>* refers to the directory where the WebLogic server has been installed.
- For Linux: */root/Oracle/Middleware/Oracle_Home*
- For Windows: *C:\Oracle\Middleware or C:\Oracle\Middleware\Oracle_Home*
- *<WL_Domain>* refers to the WebLogic application server domain that is being used for OmniDocs deployment.
- *<BASE_SETUP_DIR>* refers to OmniDocs Server - WebLogic.

Moving and updating configuration files

To move and update the configuration files, perform the following steps:

1. Copy all the files and folders from <BASE_SETUP_DIR>/App Server/domain/applications folder to <WL_HOME>/user_projects/domains/<WL_Domain>/applications folder.

   In case of WebLogic 12.2.13, copy OmniDocs folder from <BASE_SETUP_DIR>AppServer/domain/Weblogic12.2 to <WL_HOME>/user_projects/domains/<WL_Domain>/applications folder.

2. Copy all the files from <BASE_SETUP_DIR>/AppServer/domain/lib to the <WL_HOME>/user_projects/domains/<WL_Domain>/lib directory.
3. Take a backup of the lib folder present inside the <WL_HOME>/AppServer/domain of the already installed base version of OmniDocs on WebLogic.
4. Remove the following jar files from the omnidocs_library folder:

- xmlbeans-2.3.0.jar
- json.jar
- poi-3.16.jar
- poi-ooxml-3.16.jar
- poi-ooxml-schemas-3.16.jar
- xmlbeans-2.6.0.jar
- guava-11.0.2.jar
- common-lang3.jar
- commons-lang-2.6.jar
- commons-io-2.0.1.jar
- bcpkix-jdk15on-1.70.jar
- bcprov-jdk15on-1.70.jar
- commons-collections4-4.1.jar
- elasticsearch-7.17.4.jar
- elasticsearch-core-7.17.4.jar
- elasticsearch-x-content-7.17.4.jar
- fontbox-2.0.26.jar
- guava-31.1-jre.jar
- protobuf-java-3.21.1.jar
- slf4j-api-1.7.30.jar
- xom-1.2.6.jar
- xom-1.3.7.jar
- jersey-media-multipart-2.40.jar
- jackson-annotations-2.14.1.jar
- activation.jar
- json-20230618.jar
- jackson-databind-2.15.2.jar
- jackson-dataformat-cbor-2.15.2.jar
- jackson-core-2.15.2.jar
- jackson-annotations-2.15.2.jar
- azure-core-1.45.1.jar
- azure-identity-1.11.1.jar
- azure-core-http-netty-1.13.11.jar
- azure-security-keyvault-secrets-4.7.3.jar
- bcpkix-jdk18on-1.75.jar
- bcprov-jdk18on-1.75.jar
- netty-buffer-4.1.101.Final.jar
- netty-codec-4.1.101.Final.jar
- netty-codec-http-4.1.101.Final.jar
- netty-codec-http2-4.1.101.Final.jar
- netty-common-4.1.101.Final.jar
- netty-handler-4.1.101.Final.jar
- netty-handler-proxy-4.1.101.Final.jar
- netty-resolver-4.1.101.Final.jar
- netty-resolver-dns-4.1.101.Final.jar
- netty-tcnative-boringssl-static-2.0.62.Final.jar
- netty-transport-4.1.101.Final.jar
- netty-transport-classes-epoll-4.1.101.Final.jar
- netty-transport-classes-kqueue-4.1.101.Final.jar
- netty-transport-native-unix-common-4.1.101.Final.jar
- nimbus-jose-jwt-9.31.jar
- oauth2-oidc-sdk-10.7.1.jar
- reactor-core-3.4.34.jar
- reactor-netty-core-1.0.39.jar

- jackson-core-2.14.1.jar
- jackson-core-asl-1.9.13.jar
- jackson-databind-2.14.1.jar
- jackson-dataformat-cbor-2.14.1.jar
- jackson-mapper-asl-1.9.13.jar
- javax.mail.jar
- json-20220320.jar
- json-smart-2.4.8.jar
- msal4j-1.11.0.jar
- nglog4j.jar
- nimbus-jose-jwt-9.22.jar
- commons-codec-1.15.jar
- commons-io-2.11.0.jar
- commons-lang3-3.12.0.jar
- commons-compress-1.21.jar
- guava-32.0.1-jre.jar
- ion-java-1.0.2.jar
- itext-licensekey-3.1.5.jar
- itextpdf-5.5.13.3.jar
- jackson-datatype-jsr310-2.16.0.jar
- msal4j-1.13.8.jar
- msal4j-persistence-extension-1.2.0.jar
- reactor-netty-http-1.0.39.jar
- txw2-2.3.3-b02.jar
- elasticsearch-7.17.14.jar
- elasticsearch-core-7.17.14.jar
- elasticsearch-x-content-7.17.14.jar
- log4j-api-2.19.0.jar
- log4j-core-2.19.0.jar
- elasticsearch-7.17.21.jar
- elasticsearch-core-7.17.21.jar
- elasticsearch-x-content-7.17.21.jar
- oauth2-oidc-sdk-9.7.jar

5. Copy the lib folder as given below:
   - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/domain/lib	<WL_HOME>/user_projects/domains/<WL_Domain>/lib

   - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\domain\lib	<WL_HOME>/user_projects/domains/<WL_Domain>/lib

6. Take a backup of the following files and folders from the <WL_HOME>/user_projects/domains/<WL_Domain>/ folder:
   - AddInsConfig
   - omniflowconfiguration
   - OmniDocs_version.xml
   - HDFSKeyTab.xm

- mssql
- oracle
- IS.ini
- ISlog4j.properti
- ngdbini
- postgres
- Seclore_logs

Once the backup is created, delete the above files and folders from their original location.

7. Copy the Newgen folder as given below:

From	To
<BASE_SETUP_DIR>/App Server/domain/	<WL_HOME>/user_projects/domains/<WL_Domain>

8. Go to path *<WL_HOME>/user_projects/domains/<WL_Domain>/lib* and specify the path of *Omni_Configurations.xml* as given below:

```
<?xml version="1.0"?>
<!-- ========================================================================= -->
<!--  OmniDocs Server Configuration                                            -->
<!-- ========================================================================= -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
<PathInfo>
```

9. Go to the *ngdbini* folder inside *<WL_HOME>/user_projects/domains/<WL_Domain>/Newgen/NGConfig* directory and edit *NGOClientData.xml* to specify the IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
```

```
<jndiServerPort>7001</jndiServerPort>
```

10. Go to the *IS.ini* file inside *<WL_HOME>/user_projects/domains/<WL_Domain>/Newgen/NGConfig* directory and edit it to specify the correct IP and JNDI port of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>

<jndiServerPort>7001</jndiServerPort>
```

Uninstalling and installing OmniDocs deployable files

This section describes how to uninstall the OmniDocs deployable files and install the new OmniDocs deployable files such as *omnidocs_ejb.ear, omnidocs, OpAll, Scan, ODpms, iform, formviewer, callbroker.war, poi-library-weblogic.war*, and *OmniDocsRestWS.war* using Oracle WebLogic Server Administration Console.

Before you start uninstalling and installing the OmniDocs deployable files, perform the following steps:

1. Take a back of the deployments folder located in <DOMAIN_PATH> from the already installed base version of OmniDocs on WebLogic. Once the backup is created, delete the content of the *applications* folder.
2. Copy the content of the *applications* folder as given below:
    - In the case of Linux

From	To
<BASE_SETUP_DIR>/AppServer/<DOMAIN_PATH>/applications	<WBL_DOMAIN_PATH>/applications

    - In the case of Windows

From	To
<BASE_SETUP_DIR>\AppServer\<DOMAIN_PATH>/applications	<WBL_DOMAIN_PATH>/applications

Uninstalling the deployed files of OmniDocs

To uninstall OmniDocs deployable files, perform the following steps:

1. Start the WebLogic Application Server domain.
2. Launch a browser and enter the following URL in the address bar to open the Oracle WebLogic Server Administration Console:
   http://<IP Address of the WebLogic Server Machine>:<Port of WebLogic Server Domain>/console
   Example:
   http://127.0.0.1:7001/console
3. Enter the administrative **Username** and **Password** to log in. On successful login, the WebLogic Server Administration Console home screen appears.
4. In the **Domain Structure** section on the left pane, click **Deployments**.
5. In **Change Center** on the left pane, click **Lock & Edit**. Lock & Edit enables the adding, modifying, and deleting operations in the domain.
6. Select the *callbroker.war* option from the list of Deployments and click **Delete**. The selected deployment gets deleted.
7. Save the changes made to the domain.
8. Similarly, delete the other deployments.

Before you un-deploy poi-library-weblogic.war, you must delete Omnidocs_ejb.ear and omnidocs.war.

Installing OmniDocs deployable files

To install OmniDocs deployable files, perform the following steps:

1. Start the WebLogic Application Server domain.
2. Launch a browser and enter the following URL in the address bar to open the Oracle WebLogic Server Administration Console:
   http://<IP Address of the WebLogic Server Machine>:<Port of WebLogic Server Domain>/console
   Example:
   http://127.0.0.1:7001/console
3. Enter the administrative **Username** and **Password** to log in. On successful login, the WebLogic Server Administration Console home screen appears.
4. In the **Domain Structure** section on the left pane, click **Deployments**.
5. In **Change Center** on the left pane, click **Lock & Edit**. Lock & Edit enables the adding, modifying, and deleting operations in the domain.

6. Click **Install** from the Summary of Deployments section displayed in the right pane. The Install Application Assistant screen appears.
7. Select the applications folder from the below location where the required deployable files are located:
    - *<WL_HOME>/user_projects/domains/<WL_Domain>*
8. First, deploy poi-library-weblogic.war and choose **Install this deployment as a library** option in the Install Application Assistant screen. Then, deploy the application as a library.
9. Select one of the following deployable files:
    - *omnidocs_ejb.ear*
    - *omnidocs (open directory)*
    - *OpAll (open directory)*
    - *scan (open directory)*
    - *ODpms (open directory)*
    - *iform (open directory)*
    - *formviewer (open directory)*
    - *OmniDocsRestWS.war (open directory)*
    - *callbroker.war*
    - *osaweb.war*
10. Click **Next** to continue the deployment.
11. Select the **Install this deployment as an application** option and click **Next**.
12. Enter the required name in the **Name** box and click **Next**.

    The context name in the Name box must be entered as per the selected deployable file.

13. Select the **No, I will review the configuration later** option and click **Finish** to start the deployment.
14. Once the deployment process is completed, save it using the **Save** button from the **Overview** tab of the respective settings screen.
15. Click **Activate Changes** displayed under the Change Center in the left pane. The messages “All changes have been activated. No restarts are necessary” and “The deployment has been successfully installed” appear in the Summary of Deployments screen.

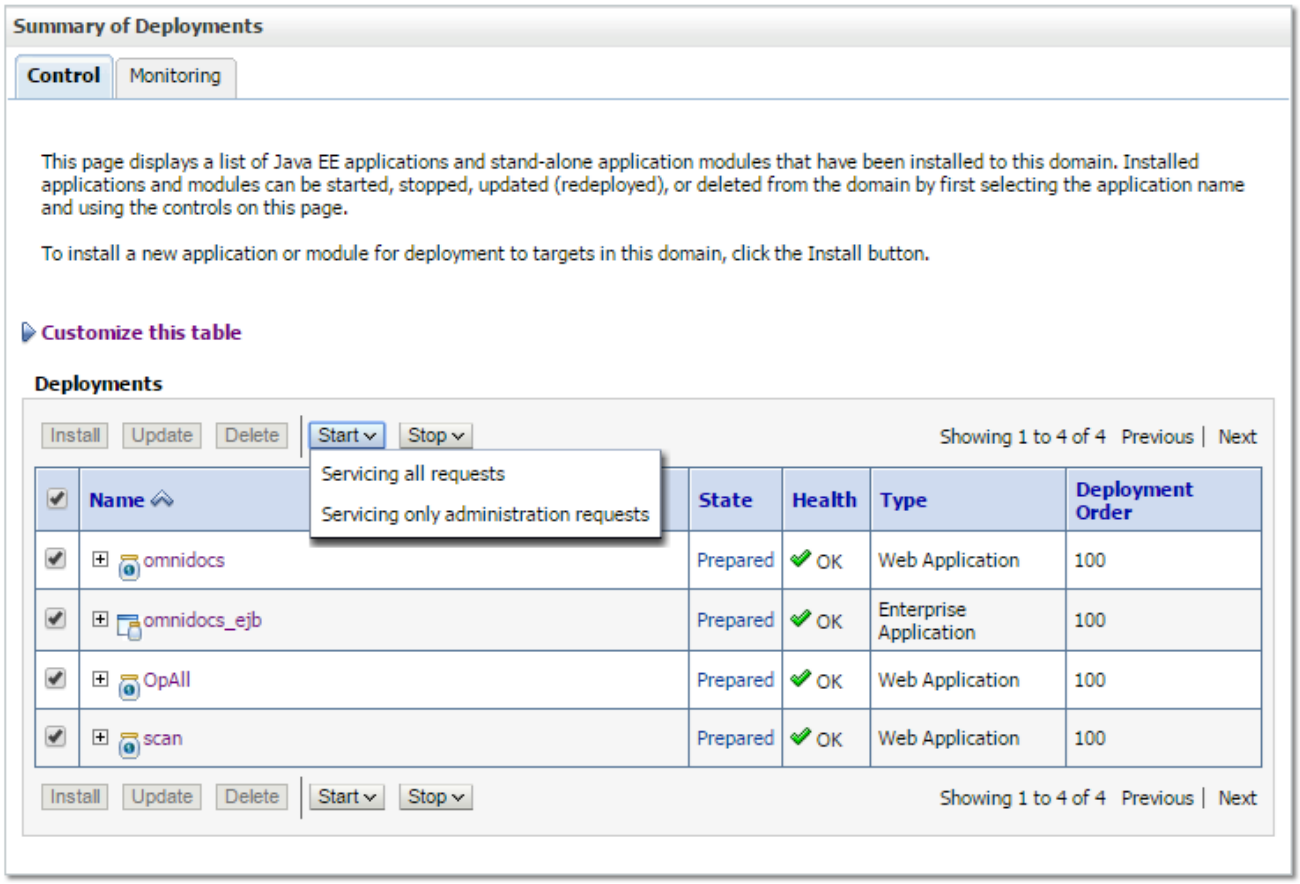
    Repeat the above steps to install all the deployable files that are listed in step 8.

Starting the deployed applications

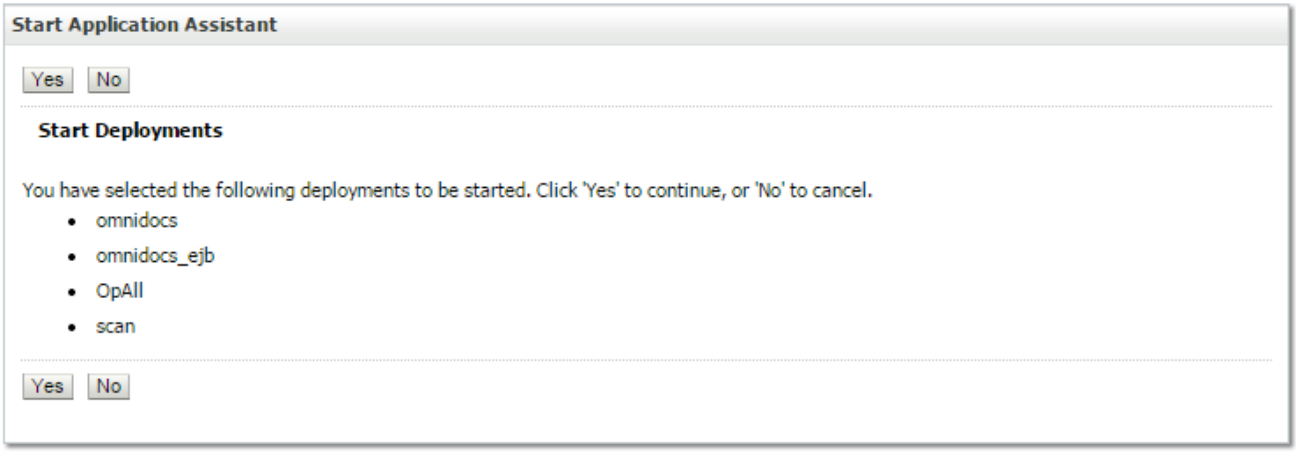
This section describes how to start the deployed applications that are installed in the previous section.

To start the installed application, perform the following steps:

1. In the Summary of Deployments screen, select the checkboxes against the required files.



2. Select the **Servicing all requests** option displayed under the **Start** dropdown menu bar. The Start Application Assistant screen appears.



3. Click **Yes** to continue. The message "Start requests have been sent to selected Deployments" appears.

Setting up and running Wrapper

To set up and run wrapper services, perform the following steps:

1. Take a backup of *Wrapper_Lib*, *ngdbini*, *RunWrapper.sh*, and *RunWrapper.bat* files and folders of the base version of OmniDocs. Once the backup is created, delete these files and folders except the *Wrapper_Lib* folder from the base version of OmniDocs.
2. Remove the following files from the *Wrapper_Lib* folder:
    - nglog4j.jar
    - xom-1.2.6.jar
    - xom-1.3.7.jar
    - log4j-core-2.19.0.jar
    - log4j-api-2.19.0.jar
3. Copy *Wrapper_Lib*, *RunWrapper.sh*, *RunWrapper.bat*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.
4. For Linux, go to *RunWrapper.sh* file located at */root/OmniDocs11.3/Wrapper* directory, or for Windows go to *RunWrapper.bat* file located at *C:\OmniDocs11.3\Wrapper* directory and specify the correct java.exe path as given below:

Linux	Windows
“/root/jdk1.8/bin/java" -Dfile.encoding="UTF-8" -classpath .:"Wrapper_Lib/*":. com.newgen.wrapper.NGEjbClient	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"Wrapper_Lib/*" com.newgen.wrapper.NGEjbClient

5. Go to the *ngdbini* folder inside the *Wrapper* directory and edit *NGOClientData.xml* to specify the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
endPointURL>
```

6. Open a command terminal and go to the *Wrapper* directory.
7. Execute *RunWrapper.sh* (for Linux) or *RunWrapper.bat* (for Windows) to run Wrapper.
8. Copy *Common Services for J2EE* folder from *<BASE_SETUP_DIR>* folder to the server machine. Example:

Linux	Windows
/root/OmniDocs11.3	C:\OmniDocs11.3

9. Go to the *OSA* folder present in the *Common Services for J2EE* folder and edit *RunAdmin.sh* (for Linux) or *RunAdmin.bat* (for Windows) to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame

10. Open a command terminal and go to the *OSA* directory.
11. Execute *RunAdmin.sh* (for Linux) or *RunAdmin.bat* (for Windows) to launch OSA GUI.
12. Go to the *SMS* folder in the *Common Services for J2EE* folder and edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct *java.exe* path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true -DFile.encoding="UTF-8" -classpath .:"SMS_Lib/*":. startSMS	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS

13. Open a command terminal and go to the *SMS* Directory.
14. Execute *run.sh* (for Linux) or *run.bat* (for Windows) to run SMS.
15. Take a backup of *run.bat*, *run.sh*, *lib*, and *ngdbini* files and folders present in the *ThumbnailManager* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from the base version of OmniDocs.
16. Open the *Omni_Configurations.xml* file present in *\OmniDocs11.3\Common-Services for j2EE\ThumbnailManager\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ============================================================================ -->
<!--  OmniDocs Server Configuration                                               -->
<!-- ============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
```

```
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *<ThumbnailManager>/Newgen/NGConfig* and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/":. com.newgen.thumbnail.ThumbnailSchedule*	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule*

17. Take a backup of *run.bat*, *run.sh*, *AlarmMailer_Lib*, and *ngdbini* files and folders, present in the *AlarmMailer* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from the base version of OmniDocs.
18. Copy *run.bat*, *run.sh*, *AlarmMailer_Lib*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.
19. Open the *Omni_Configurations.xml* file present in *\OmniDocs11.3\Common-Services for j2EE\AlarmMailer\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ================================================================== -->
<!--  OmniDocs Server Configuration                                     -->
<!-- ================================================================== -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
```

```
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *AlarmMailer* folder and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit the *run.sh* (for Linux) or *run.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/*":. com.newgen.alarmmailer.ODAlarmMailer	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"AlarmMailer_Lib/*" com.newgen.alarmmailer.ODAlarmMailer

20. Open the *Omni_Configurations.xml* file present in *\OmniDocs11.3\Common-Services for j2EE\Scheduler\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ========================================================================= -->
<!--  OmniDocs Server Configuration                                            -->
```

```
<!-- ========================================================================== -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

- Go to the *ngdbini* folder inside the *<Scheduler>/Newgen/NGConfig* and edit *NGOClientData.xml* to specify the correct IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>7001</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/
GenericCallBroker</endPointURL>
```

- Edit *Scheduler.sh* (for Linux) or *Scheduler.bat* (for Windows) file to specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java "-Dfile.encoding="UTF-8" -classpath .:"lib/*":.com.newgen.scheduler.process.RunScheduler	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.scheduler.process.RunScheduler

While associating an Oracle cabinet to the JTS using OSA, you must give the username and password as the cabinet name. After cabinet association with the JTS, restart the WebLogic server and the Wrapper.

21. Execute the provided difference Java code as follows:

```
“JAVA_HOME” Difference “/source_path” “destination_path”
```

For example:

```
"java_home\bin\java" Difference
"Jboss_Home\bin\Newgen\NgConfig\ngdbini\odwebini\eworkstyle.ini"
"Manual_Package\tobeappend\eworkstyle.ini"
```

After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities.

Upgrading OmniDocs on WebSphere Application Server

Before starting the manual installation, ensure the following:

- The base installation of WebSphere Application Server 8.5 or 9.0.6 must be already done.
- For all languages, if the Oracle database server already has NLS_CHARACTERSET value other than AL32UTF8, then create a new database (service) having NLS_CHARACTERSET as AL32UTF8. Use this database to create OmniDocs Cabinet.
- Before creating a profile in WebSphere 8.5 or 9.0.6, you must include SDK 8 through the WebSphere installation manager.

From here on:

- WAS_HOME refers to the directory where the WebSphere Application Server has been installed.
  - For Linux: /root/IBM/WebSphere/AppServer
  - For Windows: C:\IBM\WebSphere\AppServer
- <WC_adminhost end point> refers to the TCP/IP port on which the server’s Administration Console can be accessed. By default, it is 9060.
- WAS_Profile refers to the WebSphere Application Server Profile used for OmniDocs deployment.
- The base setup directory refers to OmniDocs Server/OmniDocs-Server-WAS.

Moving and updating configuration files

To move and update the configuration files, perform the following steps:

1. Take a backup of the following files and folders from the <WAS_HOME>/profiles / <WAS_Profile>/Newgen/NGConfig folder:

   - AddInsConfig
   - mssql
   - ngdbini
   - omniflowconfiguration
   - oracle
   - postgres
   - OmniDocs_version.xml
   - IS.ini
   - Seclore_logs
   - HDFSKeyTab.xml
   - ISlog4j.properties

2. Copy the Newgen folder as given below location:
   - In the case of Linux

From	To
OmniDocs Server upgrade/ OmniDocs-Server-WAS/ AppServer	<WAS_HOME>/profiles/<WAS_Profile>

   - In the case of Windows

From	To
OmniDocs Server upgrade/ OmniDocs-Server-WAS/ AppServer	*<WAS_HOME>/profiles/<WAS_Profile>*

3. Take a backup of the *installableApps* folder from the *<WAS_HOME>/profiles/ <WAS_Profile>* folder. Once the backup is created, delete the original *installableApps* folder.
4. Copy the *installableApps* folder from the *OmniDocs Server upgrade/OmniDocs-Server-WAS/AppServer* folder to the *<WAS_HOME>/profiles/<WAS_Profile>* folder.
5. Take a backup of the *omnidocs_library* folder from *<WAS_HOME>/profiles/ <WAS_Profile>* folder.
6. Remove the following jar files from the *omnidocs_library* folder:

- xmlbeans-2.3.0.jar
- json.jar
- poi-3.16.jar
- poi-ooxml-3.16.jar
- poi-ooxml-schemas-3.16.jar
- xmlbeans-2.6.0.jar
- guava-11.0.2.jar
- common-lang3.jar
- commons-lang-2.6.jar
- commons-io-2.0.1.jar
- bcpkix-jdk15on-1.70.jar
- bcprov-jdk15on-1.70.jar
- commons-collections4-4.1.jar
- elasticsearch-7.17.4.jar
- elasticsearch-core-7.17.4.jar
- elasticsearch-x-content-7.17.4.jar
- fontbox-2.0.26.jar
- guava-31.1-jre.jar
- jackson-core-2.14.1.jar
- protobuf-java-3.21.1.jar
- slf4j-api-1.7.30.jar
- xom-1.2.6.jar
- xom-1.3.7.jar
- jersey-media-multipart-2.40.jar
- jackson-annotations-2.14.1.jar
- activation.jar
- json-20230618.jar
- jackson-databind-2.15.2.jar
- jackson-dataformat-cbor-2.15.2.jar
- jackson-core-2.15.2.jar
- jackson-annotations-2.15.2.jar
- azure-core-1.45.1.jar
- azure-identity-1.11.1.jar
- azure-core-http-netty-1.13.11.jar
- azure-security-keyvault-secrets-4.7.3.jar
- bcpkix-jdk18on-1.75.jar
- bcprov-jdk18on-1.75.jar
- commons-codec-1.15.jar
- netty-buffer-4.1.101.Final.jar
- netty-codec-4.1.101.Final.jar
- netty-codec-http-4.1.101.Final.jar
- netty-codec-http2-4.1.101.Final.jar
- netty-common-4.1.101.Final.jar
- netty-handler-4.1.101.Final.jar
- netty-handler-proxy-4.1.101.Final.jar
- netty-resolver-4.1.101.Final.jar
- netty-resolver-dns-4.1.101.Final.jar
- netty-tcnative-boringssl-static-2.0.62.Final.jar
- netty-transport-4.1.101.Final.jar
- netty-transport-classes-epoll-4.1.101.Final.jar
- netty-transport-classes-kqueue-4.1.101.Final.jar
- netty-transport-native-unix-common-4.1.101.Final.jar
- nimbus-jose-jwt-9.31.jar
- oauth2-oidc-sdk-10.7.1.jar
- reactor-core-3.4.34.jar
- reactor-netty-core-1.0.39.jar
- reactor-netty-http-1.0.39.jar

- jackson-core-asl-1.9.13.jar
- jackson-databind-2.14.1.jar
- jackson-dataformat-cbor-2.14.1.jar
- jackson-mapper-asl-1.9.13.jar
- javax.mail.jar
- json-20220320.jar
- json-smart-2.4.8.jar
- msal4j-1.11.0.jar
- nglog4j.jar
- nimbus-jose-jwt-9.22.jar
- commons-io-2.11.0.jar
- commons-lang3-3.12.0.jar
- commons-compress-1.21.jar
- guava-32.0.1-jre.jar
- ion-java-1.0.2.jar
- itext-licensekey-3.1.5.jar
- itextpdf-5.5.13.3.jar
- jackson-datatype-jsr310-2.16.0.jar
- msal4j-1.13.8.jar
- msal4j-persistence-extension-1.2.0.jar
- txw2-2.3.3-b02.jar
- elasticsearch-7.17.14.jar
- elasticsearch-core-7.17.14.jar
- elasticsearch-x-content-7.17.14.jar
- log4j-api-2.19.0.jar
- log4j-core-2.19.0.jar
- elasticsearch-7.17.21.jar
- elasticsearch-core-7.17.21.jar
- elasticsearch-x-content-7.17.21.jar
- oauth2-oidc-sdk-9.7.jar

7. Copy the *omnidocs_library* folder from the *OmniDocs Server upgrade/OmniDocs-Server-WAS/AppServer* folder to *<WAS_HOME>/profiles/<WAS_Profile>* folder.
8. Go to path *<WAS_HOME>/profiles/<WAS_Profile>/omnidocs_library*.
9. Open the *Omni_Configurations.xml* file and specify the path of *omni_configuration.xml* as given below:
   - **For Linux**: */root/IBM/WebSphere/AppServer/profiles/AppSrv01*
   - **For Windows**: *C:\IBM\WebSphere\AppServer\profiles\AppSrv01*

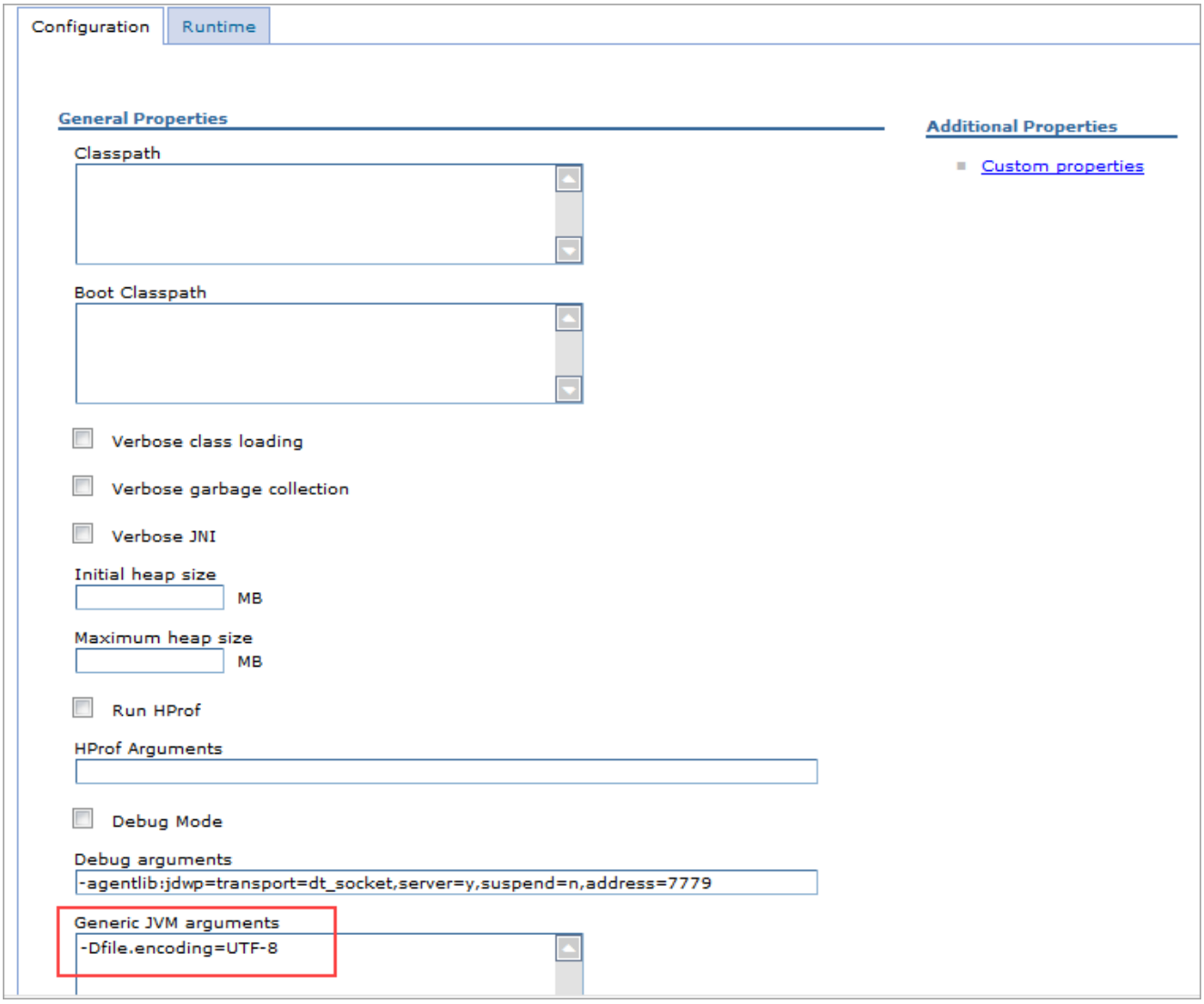
```
<?xml version="1.0"?>
<!-- ============================================================================ -->
<!--  OmniDocs Server Configuration                                               -->
<!-- ============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
```

```
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

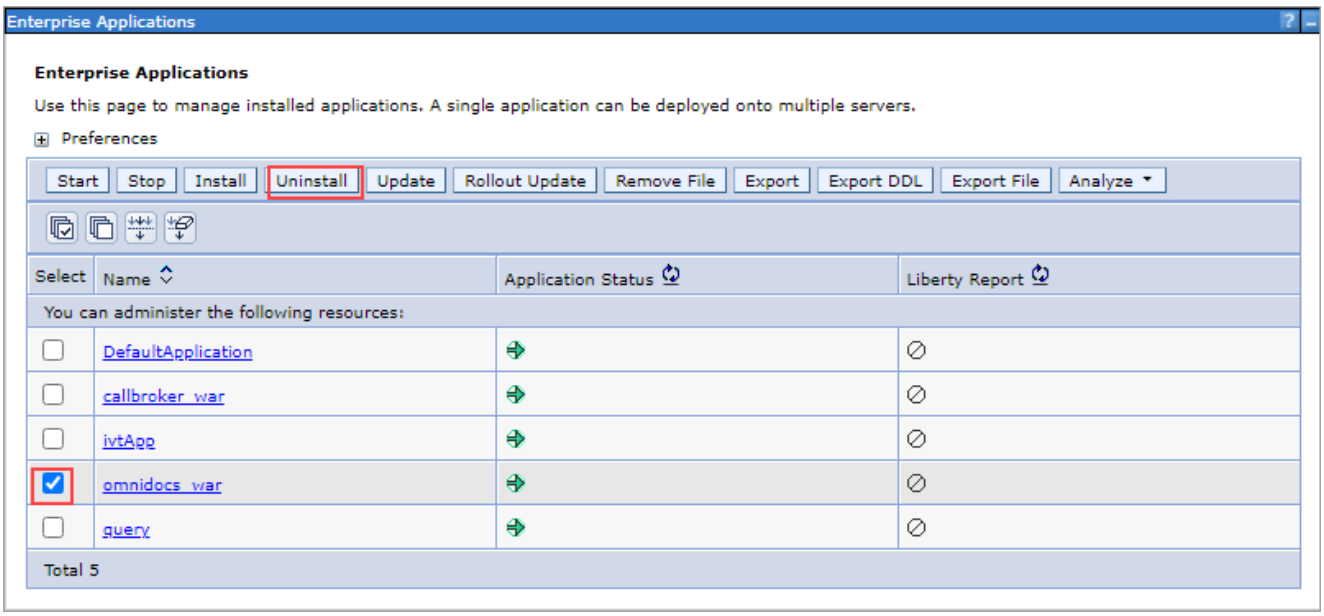
Uninstalling OmniDocs deployable files

To uninstall OmniDocs deployable files, perform the following steps:

1. Start the WebSphere application server.
2. Sign in to the WebSphere Integrated Solutions Console.
3. Under **Servers**, expand **Server Types** and select **WebSphere application servers**. The Application servers screen appears.
4. Click **server1**.
5. Expand the **Java and Process Management** tab under **Server infrastructure** and click **Process Definition**. The Process definition page appears.
6. Click the **Java Virtual Machine** link given in the Additional Properties section.
7. Append **-Dfile.encoding=UTF-8** at the end of the **Generic JVM arguments** box.



8. Under **Applications**, expand **Application Types** and click **WebSphere enterprise applications**. The Enterprise Applications screen appears.



9. Select **omnidocs_war** from the list of deployed applications and click **Uninstall**. The Uninstall Application screen appears.
10. Click **OK** to remove the application.
11. Click **Save directly to the master configuration** link in the Messages section.
12. Similarly uninstall the other deployed files such as *omnidocs_ejb, OpAll, scan, formviewer, ODPms, iforms, callbroker.war, ODpms,* and *OmniDocsRestWS*.

Installing OmniDocs deployable files

To install OmniDocs deployable files in the case of an upgrade installation, refer to section Installing OmniDocs deployable files described for the fresh installation.

Setting up and running Wrapper

To set up and run wrapper services, perform the following steps:

1. Take a back of Wrapper_Lib, ngdbini, RunWrapper.sh, and RunWrapper.bat of the base version of OmniDocs. Once the backup is created, delete these files and folders except Wrapper_Lib from their original location.

2. Remove the following files from the Wrapper_Lib folder:
    - nglog4j.jar
    - xom-1.2.6.jar
    - xom-1.3.7.jar
    - log4j-core-2.19.0.jar
    - log4j-api-2.19.0.jar

3. Copy *Wrapper_Lib*, *RunWrapper.sh*, *RunWrapper.bat*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server. Refer to the below path:

Linux	Windows
/root/OmniDocs11.3	C:\OmniDocs11.3

4. Edit the *RunWrapper.sh* for Linux or *RunWrapper.bat* file for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"Wrapper_Lib/*":. com.newgen.wrapper.NGEjbClient	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"Wrapper_Lib/*" com.newgen.wrapper.NGEjbClient

5. Go to the *ngdbini* folder located in *<Wrapper directory>Newgen/NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
endPointURL>
```

6. Open the command prompt and change the working directory to *<Wrapper-Directory>*.
7. Execute the *RunWrapper.sh* for Linux or *RunWrapper.bat* for Windows in the command prompt to run the wrapper at the Client port (3333) and Admin port (9999).

> If the default port of the Wrapper is used, then change the Wrapper port in the NGOWrapper.xml file present in the *Wrapper/Newgen/NGConfig/NGDBini* folder.

```
<?xml version="1.0"?>
<WrapperInfo>
    <WrapperIP>127.0.0.1</WrapperIP>
    <WrapperPort>3333</WrapperPort>
    <AdminPort>9999</AdminPort>
    <SocketTimeOut>60</SocketTimeOut>
    <AdminStart>Y</AdminStart>
    <Debug>N</Debug>
    <CharacterSet>UTF-8</CharacterSet>
    <ClientMaxConnAllowed>100</ClientMaxConnAllowed>
</WrapperInfo>
```

Creating cabinet and SMS

To create a cabinet and SMS, perform the following steps:

1. Copy the *Common Services for J2EE* folder from the *Omnidocs Server/OmniDocs-Server-WAS/Common Services for J2EE* folder to the server machine.
2. Go to the *OSA* directory, edit *RunAdmin.sh* for Linux or *RunAdmin.bat* for Windows, and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -cp .:jce1_2_2.jar:SecurityAPI.jar:Admin.jar -Dfile.encoding="UTF-8" adminclient.MainFrame	*"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath .;jce1_2_2.jar;SecurityAPI.jar;Admin.jar adminclient.MainFrame*

3. Open the command prompt and change the working directory to *<OSA-Directory>*.
4. Execute *RunAdmin.sh* for Linux or *RunAdmin.bat* for Windows in the command prompt to launch OSA.

   For details on the cabinet creation, refer to the NewgenONE OmniDocs Service Administration Guide.

5. Take a backup of *run.bat*, *run.sh*, *lib*, and *ngdbini* files and folders, present in the *ThumbnailManager* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from their original location.
6. Copy *run.bat, run.sh, lib*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.

7. Go to the *ThumbnailManager* folder and edit the *run.sh* file for Linux or *run.bat* file for Windows, and specify the correct java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/*":. com.newgen.thumbnail.ThumbnailSchedule	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.thumbnail.ThumbnailSchedule

8. Open *Omni_Configurations.xml* present in *OmniDocs11.3\Common-Services for j2EE\ThumbnailManager\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ============================================================================ -->
<!--  OmniDocs Server Configuration                                               -->
<!-- ============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

9. Go to the *ngdbini* folder in *<ThumbnailManager directory>/Newgen/NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
endPointURL>
```

10. Take a backup of *run.bat, run.sh, lib*, and *ngdbini* files and folders present in the *Scheduler* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from their original location.
11. Copy the *run.bat, run.sh, lib*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.
12. Go to the *Scheduler* directory, edit *Scheduler.sh* for Linux or *Scheduler.bat* for Windows, and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"lib/*":. com.newgen.scheduler.process.RunScheduler	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"lib/*" com.newgen.scheduler.process.RunScheduler

13. Go to the *ngdbini* folder in the *Scheduler* directory and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
endPointURL>
```

14. Open the *Omni_Configurations.xml* file present in *OmniDocs11.3\Common-Services for j2EE\Scheduler\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ============================================================================ -->
<!--  OmniDocs Server Configuration                                               -->
<!-- ============================================================================ -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
```

```
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

15. Go to the *AlarmMailer* directory, and edit *run.sh* file for Linux or *run.bat* file for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Dfile.encoding="UTF-8" -classpath .:"AlarmMailer_Lib/*":. com.newgen.alarmmailer.ODAlarmMailer	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -Dfile.encoding="UTF-8" -classpath ;.;"AlarmMailer_Lib/*" com.newgen.alarmmailer.ODAlarmMailer

16. Go to the *ngdbini* folder in *<AlarmMailer directory>\Newgen\NGConfig* and edit *NGOClientData.xml* to enter the IP and JNDI and Web ports of the application server. Refer to the below example:

```
<jndiServerName>127.0.0.1</jndiServerName>
<jndiServerPort>2809/NameServiceServerRoot</jndiServerPort>
<endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
endPointURL>
```

17. Take a backup of *run.bat, run.sh, AlarmMailer_Lib*, and *ngdbini* files and folders, present in the *AlarmMailer* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from their original location.
18. Copy *run.bat, run.sh, lib*, and *Newgen* files and folders from *<BASE_SETUP_DIR>* to their respective locations on your server.
19. Open *Omni_Configurations.xml* present in *OmniDocs11.3\Common-Services for j2EE\AlarmMailer\lib* and specify the path of *omni_configuration.xml* as given below:

```
<?xml version="1.0"?>
<!-- ==================================================================== -->
<!--  OmniDocs Server Configuration                                       -->
<!-- ==================================================================== -->
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path></Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

20. Take a backup of *run.bat, run.sh,* and *JARs* present in the *SMS* folder of the base version of OmniDocs. Once the backup is created, delete these files and folders from their original location.
21. Copy *SMS_Lib, run.bat*, and *run.sh* from *<BASE_SETUP_DIR>* to their respective locations on your server.
22. Go to the *SMS* directory and set the encoding as **UTF-8** in between the tags *<Encoding></Encoding>* in the file *<SMS-Directory>/server.ini*.
23. Edit *run.sh* for Linux or *run.bat* for Windows and specify the correct Java path as given below:

Linux	Windows
"/root/jdk1.8.0_91/bin/java" -Djava.awt.headless=true	"C:\Program Files\Java\jdk1.8.0_91\bin\java" -DFile.encoding=UTF-8 -classpath ;.;"SMS_Lib/*" startSMS

Linux	Windows
-DFile.encoding="UTF-8" -classpath .:"SMS_Lib/*":. startSMS	

24. Open the command prompt and change the working directory to *<SMS-Directory>*.
25. Execute the script *run.sh* for Linux or *run.bat* for Windows to launch SMS.
26. Execute the provided difference Java code as follows:

```
"JAVA_HOME" Difference "/source_path" "destination_path"
```

For example:

```
"java_home\bin\java" Difference "
"WAS_Home\WAS_PROFILE\Newgen\NgConfig\ngdbini\odwebini\eworkstyle.ini"
"Manual_Package\tobeappend\eworkstyle.ini"
```

After cabinet association with the JTS and creating a data source, you must restart the OmniDocs application and the Wrapper.
After installing NewgenONE OmniDocs 11.3, perform the post-installation activities as described in the section Post-installation activities.

Uninstallation and rollback

This section describes the steps to uninstall NewgenONE OmniDocs 11.3. It also describes the steps to rollback to the previously installed version of OmniDocs from NewgenONE OmniDocs 11.3. The rollback applies to the upgrade installation.

Uninstalling OmniDocs

This section describes how to uninstall NewgenONE OmniDocs 11.3.

Uninstalling OmniDocs from JBoss EAP

To uninstall NewgenONE OmniDocs 11.3, perform the following steps:

1. Delete all the deployable files from the *<JBoss_HOME>/standalone/deployments* folder.
2. Delete the *omnidocs_library* folder from the *<JBoss_HOME>/modules* folder.
3. Delete the *Newgen* folder from the *<JBoss_HOME>/bin* folder.
4. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installed location.

Uninstalling OmniDocs from WebLogic

To uninstall NewgenONE OmniDocs 11.3, perform the following steps:

1. Uninstall all the deployed files from the WebLogic Administration Console.
2. Stop Common Services for J2EE and Wrapper utilities.
3. Delete *applications, lib*, and *Newgen* folders from WebLogic *<DOMAIN_PATH>*. Here, *<DOMAIN_PATH>* is the folder where the WebLogic domain exists.
4. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installed location.

Uninstalling OmniDocs from WebSphere

To uninstall NewgenONE OmniDocs 11.3, perform the following steps:

1. Uninstall all the deployed files from the WebSphere Application Server administrative console.
2. Stop Common Services for J2EE and Wrapper utilities.
3. Delete *iform_library, omnidocs_library, installableApps*, and *Newgen* folders from *<profile_path>*. Here, *<profile_path>* is the folder where the WebSphere profile exists.
4. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installed location.

Rolling-back of OmniDocs upgrade

This section describes how to rollback to the base version after upgrading to NewgenONE OmniDocs 11.3.

Rolling-back when upgraded on JBoss EAP

To rollback the upgrade installation of NewgenONE OmniDocs 11.3, perform the following steps:

1. Delete all the deployable files from the *<JBoss_HOME>/standalone/deployments* folder.
2. Copy all deployable files from the backup location to *<JBoss_HOME>/standalone/deployments*.
3. Delete the *omnidocs_library* folder from *<JBoss_HOME>/modules*.
4. Copy the o*mnidocs_library* folder from the backup location to *<JBoss_HOME>/modules*.
5. Delete the Newgen folder from *<JBoss_HOME>/bin*.
6. Copy configuration files *ngdnini, IS.ini*, and others from the backup location to *<JBoss_HOME>/bin*.
7. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installed location.
8. Copy Common Services for J2EE and Wrapper folders from the backup location to the OmniDocs directory.

Rolling-back when upgraded on WebLogic

To rollback the upgrade installation of NewgenONE OmniDocs 11.3, perform the following steps:

1. Uninstall all the deployed files from the WebLogic Administration Console.
2. Delete applications, lib, and Newgen folders from WebLogic *<DOMAIN_PATH>*.
3. Copy *applications, lib*, and *configuration* files *ngdnini, IS.ini*, and others from the backup location to WebLogic *<DOMAIN_PATH>*.

4. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installation location.
5. Copy Common Services for J2EE and Wrapper folders from the backup location to the OmniDocs directory.
6. Deploy all the deployable files from the applications folder through the WebLogic Administration Console.

Rolling-back when upgraded on WebSphere

To rollback the upgrade installation of NewgenONE OmniDocs 11.3, perform the following steps:

1. Uninstall all the deployed files from the WebSphere Application Server administrative console.
2. Delete *iform_library, omnidocs_library, installableApps*, and configuration files *ngdnini, IS.ini*, and others from the WebSphere *<profile_path>*.
3. Copy *iform_library, omnidocs_library, installableApps*, and *Newgen* folders from the backup location to the WebSphere *<profile_path>*.
4. Delete Common Services for J2EE and Wrapper folders from the NewgenONE OmniDocs 11.3 installation location.
5. Copy Common Services for J2EE and Wrapper folders from the backup location to the OmniDocs directory.
6. Deploy all the deployable files from the installableApps folder through the WebSphere Application Server administrative console.

Installing OmniDocs on distributed environment

This section describes how to install NewgenONE OmniDocs 11.3 on distributed environments of JBoss Web Server (JWS) and JBoss EAP.

Installing OmniDocs on JBoss Web Server

This section describes how to install NewgenONE OmniDocs 11.3 on JBoss Web Server.

Prerequisites

The following prerequisites must be met before installing NewgenONE OmniDocs 11.3 JBoss EAP:

- JBoss Web Server 5.6
- For the supported JBoss EAP version and other prerequisites, refer to the section Prerequisites.
- JBoss Web Server must be in stop mode while installing NewgenONE OmniDocs 11.3.

Performing installation

To manually install NewgenONE OmniDocs 11.3 on JBoss Web Server, perform the following steps:

From here now,
- <JWS_HOME> refers to the home directory of the JBoss Web Server.
- <BASE_SETUP_DIR> refers to OmniDocs11.3DistributedPackage.

1. Copy the Newgen folder from *<BASE_SETUP_DIR>/WebServer/config* to the *<JWS_HOME>/bin* folder.
2. Copy all JAR files from *<BASE_SETUP_DIR>/WebServer/lib* to *<JWS_HOME>/lib*.
3. Open *Omni_Configurations.xml* from *<JWS_HOME>/lib* and edit it to specify the path of the parent folder of the Newgen folder inside the path tag.

```
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path>C:\jws5.6\tomcat\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
```

```
        <Name>Omni_Logs_Location</Name>
        <Path>C:\jws5.6\tomcat\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path>C:\jws5.6\tomcat\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path>C:\jws5.6\tomcat\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
</PathInfo>
```

The specified path of the configuration files and folders in Omni_Configurations.xml must not contain blank spaces.

4. Copy all files from <BASE_SETUP_DIR>/WebServer/DeployableFiles to the <JWS_HOME>/webapps folder.

5. Update the application server IP of the machine where JBoss or any other application server is configured. Also, specify the JNDI port in both the files as given below inside the tag *<endPointURL>:*

    a. *<JWS_HOME>\bin\Newgen\NGConfig\IS.ini*

    ```
    <endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
    endPointURL>
    ```

    b. *<JWS_HOME>\bin\Newgen\NGConfig\ngdbini\NGOClientData.xml*

    ```
    <endPointURL>http://127.0.0.1:8080/callbroker/execute/GenericCallBroker</
    endPointURL>
    ```

6. Open a command terminal, navigate to *<JWS_HOME>\bin*, and execute the below command to start JBoss Web Server:

Windows	Linux
startup.bat	*startup.sh*

Installing OmniDocs on JBoss EAP

This section describes how to install NewgenONE OmniDocs 11.3 on JBoss Web Server.

Prerequisites

For the supported JBoss EAP versions and other prerequisites, refer to the section Prerequisites.

JBoss EAP must be in stop mode while installing NewgenONE OmniDocs 11.3.

Performing installation

To manually install NewgenONE OmniDocs 11.3 on JBoss EAP, perform the following steps:

From here now,
- <JBoss_HOME> refers to the home directory of JBoss EAP 7.x.
- <BASE_SETUP_DIR> refers to OmniDocs11.3 DistributedPackage.

1. Copy the Newgen folder from *<BASE_SETUP_DIR>/EJBServer/AppServer/Config* to the *<JBoss_HOME>/bin* folder.
2. Copy *omnidocs_library* and system folders from *<BASE_SETUP_DIR>/EJBServer/AppServer/lib* to *<JBoss_HOME>/modules*.
3. Under the *ee subsystem* tag, add the below lines in the *standalone.xml* file located in the *<JBoss_HOME>/standalone/configuration* folder:
   For example,

```
<subsystem xmlns=”urn:jboss:domain:ee:4.0”]
<global-modules>
<module name="omnidocs_library" slot="main"/>
</global-modules>
```

4. After the defined *</extensions>* tag, add the below entries in the *standalone.xml* file located in the *<JBoss_HOME>/standalone/configuration* folder:

```
<system-properties>
<property name="jboss.as.management.blocking.timeout" value="2000"/>
<property name="org.apache.catalina.connector.URI_ENCODING" value="UTF-8"/>
<property
name="org.apache.catalina.connector.USE_BODY_ENCODING_FOR_QUERY_STRING"
value="true"/>
</system-properties>
```

5. Add *max-post-size="1717986920"* attribute inside *<http-listener>* & *<https-listener>* tags in the *standalone.xml* file.

```
<http-listener name="default" socket-binding="http" max-post-size="1717986920"
redirect-socket="https" enable-http2="true"/>
<https-listener name="https" socket-binding="https" security-
realm="ApplicationRealm" max-post-size="1717986920" enable-http2="true"/>
```

6. Copy all the files from *<BASE_SETUP_DIR>/EJBServer/AppServer/standalone/DeployableFiles* to *<JBoss_HOME>/standalone/deployments*.
7. Go to *<JBoss_HOME>/modules/omnidocs_library/main* and edit *Omni_Configurations.xml* to specify the path of the parent directory of the Newgen folder present in *<JBoss_HOME>/bin*.

```
<PathInfo>
    <Location>
        <Name>Omni_Config_Location</Name>
        <Path>C:\CustomLocation\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Logs_Location</Name>
        <Path>C:\CustomLocation\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Temp_Location</Name>
        <Path>C:\CustomLocation\bin</Path>
        <CustomProperty></CustomProperty>
    </Location>
    <Location>
        <Name>Omni_Cache_Location</Name>
        <Path>C:\CustomLocation\bin</Path>
        <CustomProperty></CustomProperty>
```

```
    </Location>
</PathInfo>
```

The specified path of the configuration files and folders in *Omni_Configurations.xml* must not contain blank spaces.

8. Open a command terminal and navigate to *<JBoss_HOME>/bin* and execute the below command to start JBoss EAP 7.x:

Windows	Linux
standalone.bat -b 0.0.0.0	*standalone.sh -b 0.0.0.0*

9. Execute the below file located in the *<JBoss_HOME>/bin* folder in a command terminal to add an administrative user:

Windows	Linux
add-user.bat	*add-user.sh*

Post-installation activities

This section and its subsections describe the post-installation activities for both the fresh and upgrade installations of OmniDocs 11.3.

If you are upgrading from OmniDocs 10.0 or an earlier version, copy the *ApplicationConfiguration.xml* and *Criteria.xml* files from the *\ngdbini\odwebini\ location in the root of the existing application server. Paste these files into the *\ngdbini\odwebini\ location in the root of the new application server. Ensure to perform this action after the installation process and before performing the cabinet upgrade.

After installing OmniDocs

This section and its subsections describe the post-installation activities that must be performed for a new installation of OmniDocs 11.3. These activities must be performed when OmniDocs is installed using the Automated Configuration Not Required option.

Skip this section and its subsections when OmniDocs is installed using the Automated Configuration Required option.

Prerequisites

OmniDocs 11.3 must already be installed.

Cabinet and datasource creation

After deploying OmniDocs 11.3 on the server, you must perform the following steps to create a cabinet and data source:

1. Start SMS, Wrapper, and OmniDocs Service Administration (OSA).
2. Getting started with OSA.
3. Registering the JTS Server.
4. Connecting OSA to the JTS Server.
5. Creating a cabinet.

6. Associating the cabinet.
7. Creating a datasource.
8. Registering a cabinet.
9. Create Sites, Volumes, and Labels.

Start SMS, Wrapper, and OSA

You must start SMS and OSA servers to create cabinet labels to facilitate uploading or adding documents to the application.

From here now *<Wrapper_Home>* refers to the *<OmniDocs_Install_Location>* directory.

To start SMS:

- Navigate to *<Wrapper_Home>\Common Services for J2EE\SMS* folder and double click **run.bat** (for Windows) or **run.sh** (for Linux) to start SMS.

To start Wrapper:

- Navigate to *<Wrapper_Home>\Wrapper* folder and double click **RunWrapper.bat** (for Windows) or **RunWrapper.sh** (for Linux) to start Wrapper.

To Start OSA:

- Navigate to *<Wrapper_Home>\Common Services for J2EE\OSA* folder and double click **RunAdmin.bat** (for Windows) or **RunAdmin.sh** (for Linux) to start OSA.

Getting started with OSA

- Refer to section 2.1 Getting Started of *NewgenONE OmniDocs 11.3 Service Administration Guide*.
- For more information refer to *NewgenONE OmniDocs 11.3 Service Administration Web Guide*.

Registering JTS Server

Refer to section 2.2.1 Registering JTS server of *NewgenONE OmniDocs 11.3 Service Administration Guide*.

Connecting OSA to the JTS Server

Refer to the *Connecting OSA to JTS and Managing JTS* sections of *OmniDocs 11.3 Service Administration Guide*.

Creating cabinet

Refer to the *Creating a Cabinet* section of *OmniDocs 11.3 Service Administration Guide*.

Associating cabinet

Refer to the *Associating a Cabinet* section of *OmniDocs 11.3 Service Administration Guide*.

Creating datasource in JBoss EAP

This section describes how to create a datasource in JBoss EAP 7.4.x.

Creating datasource in JBoss EAP

This section describes how to create a datasource in JBoss EAP 7.4.x on the following database servers:

- Oracle

- PostgreSQL
- Microsoft SQL

To create a datasource in JBoss EAP 7.4.x, perform the following steps:

1. Sign in to JBoss EAP Console.
2. Click the **Configuration** tab.
3. Select **Subsystems > Datasources** and click **Non-XA**. The Create Datasource dialog appears.
4. Select the Datasource as per your database type:
    - For the Oracle database, select the **Oracle Datasource** option.
    - For the Microsoft SQL database, select the **Microsoft SQLServer Datasource** option.
    - For the PostgreSQL database, select the **PostgreSQL Datasource** option.
5. Click **Next**. Step 1/3: Datasource Attributes dialog appears.
6. Enter the following details:
    - **Name**: Same as OmniDocs cabinet name
    - **JNDI Name**: java:/same as OmniDocs cabinet name
7. Click **Next**. The Step 2/3: JDBC Driver dialog appears.
8. Click the **Detected Driver** tab.
9. Select the JDBC Driver as per your database.
    - For the Oracle database, select the **ojdbc6.jar** option.
    - For the Microsoft SQL database, select the **sqljdbc42.jar** option.
    - For the PostgreSQL database, select the **postgresql-42.5.0.jar** option.
10. Click **Next**. Step 3/3: Connection Settings dialog appears.
11. Provide the following Connection Setting details as per your database:

Fields	Oracle	Microsoft SQl	PostgreSQL
Connection URL	jdbc:oracle:thin:@Oracle_Server_IP:1521/Oracle_SID	jdbc:sqlserver://MSSQL_Server_IP:1433;databasename=cabinetname	jdbc:postgresql://Postgres_Server_IP:5432;databasename=cabinetname
Username	Same as the cabinet name	SQL server username	PostgreSQL server username
Password	Same as the cabinet name	SQL server password	PostgreSQL server password

Fields	Oracle	Microsoft SQl	PostgreSQL
Security Domain	Name of the security domain as defined in the server's configuration file	Name of the security domain as defined in the server's configuration file	Name of the security domain as defined in the server's configuration file

Leave the Security Domain blank if you don't have any security domain.

12. Click **Done**. A summary of the entered settings appears.
13. Click **Finish**. A success message appears after the creation of the data source.
14. Go to the **Configurations** tab and open the created data source.
15. Click the **View** dropdown and select **Enable**. The Enable datasource dialog appears.
16. Click **Confirm** to enable the datasource.
17. Open the enabled data source.
18. Click the **View** dropdown and select **Test Connection**. On the successful data connection, a confirmation message appears.

If the Test Connection fails, check the connected data source and validate as per the document.

Registering a cabinet through OmniDocs in JBoss EAP

Register the cabinet for OmniDocs Admin and Web using the following URL:

http://<Application Server IP>:<http connector port of the JBoss EAP server>/omnidocs/dist/#/register

Example: *http://127.0.0.1:8080/omnidocs/dist/#/register*

Where,

- *<Application Server IP>* is the IP of the machine where the JBoss EAP application server is running.
- *<http connector port of the JBoss EAP server>* is the Port of the machine where the JBoss EAP application server is running.

The HTTP port of the JBoss EAP application server's default virtual_host is 8080.

Creating datasource in WebLogic Server 14c

This section describes how to create a datasource in WebLogic Server 14c on the following database servers:

- Oracle
- PostgreSQL
- Microsoft SQL

To create a datasource in WebLogic Server 14c, perform the following steps:

1. Sign in to Oracle WebLogic Server Administration Console 14c using the URL *localhost:7001/console*.
2. Under Change Center, click **Lock & Edit** to enable Modify, Edit, and Delete operations to the domain.
3. Go to Domain Structure, expand **Services**, and select **Data Sources**. The Summary of JDBC Data Sources screen appears.
4. Under the Data Sources table, click New and select the **Generic Data Source** option. The Create a New JDBC Data Source screen appears.
5. Specify the JDBC datasource properties as described in the table below:

Fields	Oracle	Microsoft SQL	PostgreSQL
Name	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.

Fields	Oracle	Microsoft SQL	PostgreSQL
JNDI Name	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.	It must be the same as the OmniDocs cabinet name. The cabinet name must be in lowercase.
Database Type	Oracle	MS SQL Server	PostgreSQL

6. Click **Next**. The Create a New JDBC Provider screen appears.
7. Select the Database Driver as per the selected Database Type.
    - For Oracle, select *** Oracle's Driver (Thin XA) for Service connections; Versions 9.0.1 and later.**
    - For Microsoft SQL, select ***Microsoft MS SQL Driver (Type 4) Versions: 2005 and later.**
    - For PostgreSQL, select *** PostGreSQL's Driver (Type 4) Versions: Any.**
8. Click **Next**. The Connection Properties screen appears.
9. Enter the Connection Properties as described in the table below:

Fields	Oracle	Microsoft SQL	PostgreSQL
Database Name	Oracle SID	Same as that of the OmniDocs cabinet name	Same as that of the OmniDocs cabinet name
Host Name	IP of the database server machine	IP of the database server machine	IP of the database server machine
Port	1521	1433	5432

Fields	Oracle	Microsoft SQL	PostgreSQL
Database User Name	It must be the same that was given when creating the OmniDocs cabinet name	It must be the same that was given when creating the OmniDocs cabinet name	It must be the same that was given when creating the OmniDocs cabinet name
Password	It must be the same that was given when creating the OmniDocs cabinet name	It must be the same that was given when creating the OmniDocs cabinet name	It must be the same that was given when creating the OmniDocs cabinet name
Confirm Password	Repeat the above password	Repeat the above password	Repeat the above password

10. Click **Next**.
11. Click **Test Configuration** to test the connection.
12. Click **Next**. Settings for the created datasource appear.
13. Select the Target Server as **myserver** for the deployment of the datasource.
14. Click **Finish**.
15. Under Change Center, click **Activate Changes** to activate the changes.
16. Restart the application server and the OmniDocs Wrapper.

Registering a cabinet through OmniDocs in WebLogic

Register the cabinet for OmniDocs Admin and Web using the following URL:

http://<Application Server IP>:<http connector port of the WebLogic server>/omnidocs/dist/#/register

Example: *http://127.0.0.1:7001/omnidocs/dist/#/register*

The default web port or http connector port of the WebLogic application server is **7001**.

Where,

- *<Application Server IP>* is the IP of the machine where the WebLogic application server is running.
- *<http connector port of the WebLogic application server>* is the Port of the machine where the WebLogic application server is running.

Creating datasource in WebSphere 9.0

This section describes how to create a datasource in WebSphere application server 9.0 on the following database servers:

- Oracle
- Microsoft SQL

Before configuring the datasource, run the application server, OmniDocs Wrapper, and create a cabinet using OSA. Refer to the OmniDocs Service Administration Guide to learn about OSA.

To create a datasource in the WebSphere application server, perform the following steps:

1. Sign in to WebSphere Integrated Solutions Console.
2. Under Resources, expand JDBC and select JDBC Providers. The JDBC provider's screen appears.
3. Select the Scope as Server1.
4. Click New. The Create new JDBC provider screen appears.
5. Specify the JDBC provider properties as described in the table below:

Fields	Oracle	Microsoft SQl
Database type	Oracle	SQL Server
Provider type	Oracle JDBC Driver	Microsoft SQL Server JDBC Driver
Implementation type	Connection pool data source	Connection pool data source

Fields	Oracle	Microsoft SQl
Name	Enter the OmniDocs cabinet name	Enter the OmniDocs cabinet name

6. Click **Next**. The Enter database class path information screen appears.
7. Specify the database class path properties as described in the table below:

Fields	Oracle	Microsoft SQL
Class path	Enter the Oracle class path as *${Oracle JDBC Driver Path}/ojdbc6.jar*	Enter the SQL class path as *${Microsoft JDBC Driver Path}/sqljdbc42.jar*
Directory location	Set the directory location of the Oracle driver, (ojdbc6.jar) copied to the *WAS_Home\profiles\<WAS_Profile>\omnidocs_library* folder.	Set directory location for MSSQL driver, (sqljdbc42.jar) copied to the *<WAS_Home>\profiles\<WAS_Profile>\omnidocs_library* folder.

8. Click Next. The Summary screen appears. It gives a summary of the properties defined in the above steps.
9. Click Finish. The JDBC providers screen appears.
10. Click the Save link to save workspace changes to the master configuration
11. Under Resources, expand JDBC and select JDBC providers. The JDBC providers screen appears.
12. Click the required JDBC driver in the list of JDBC providers. The properties of the selected JDBC provider appear.
13. Click the Data sources link given in the Additional Properties section. The Data sources page appears.
14. Click New to create a new datasource. The Enter basic data source information screen appears.
15. Enter the following details:
    - Data source name: Same as OmniDocs cabinet name.
    - JNDI name: jdbc/OmniDocs cabinet name.
16. Click Next. The Enter database specific properties for the datasource screen appears.
17. Enter the details of the fields as described in the table below:

Fields	Oracle	Microsoft SQL
Database name	Same as the OmniDocs cabinet name.	Same as the OmniDocs cabinet name.
Port number	The port at which the Oracle server listens. The default port number is 1521.	The port at which the SQL server listens. The default port number is 1433.
Server name	IP or hostname of the machine where the Oracle server is installed.	IP or hostname of the machine where the SQL server is installed.

18. Click Next. The Setup security aliases screen appears.
19. Click Next. The Summary screen appears. It shows a summary of the properties defined for the datasource.
20. Click Finish to create the data source corresponding to the OmniDocs cabinet.
21. Click the Save directly to the master configuration link.
22. Click the newly created datasource.
23. Click the Custom Properties link in the Additional Properties section.
24. Add the following custom properties for the datasource:
    - Name: It must be the same that was given when creating the OmniDocs cabinet name
    - Password: It must be the same that was given when creating the OmniDocs cabinet name
25. Click OK to save the custom properties.
26. Click the Save link to save the changes made to the configuration.

Refer to the OmniDocs 11.3 Service Administration Guide for details on cabinet creation.

OmniDocs and OpAll configurations for session management

This section describes how to configure WebSphere Session management for OmniDocs and OpAll Viewer.

To configure WebSphere Session management, perform the following steps:

1. Sign in to WebSphere Integrated Solutions Console.
2. Under Applications, expand Application Types and select WebSphere enterprise application. The Enterprise applications screen appears.
3. Click the OmniDocs or OpAll application. The configuration page of the selected application appears.
4. Click Session management in the Web Module Properties section.
5. In the General Properties section, specify the following details:
    - Select the Override session management checkbox.
    - Select Enable cookies checkbox.
    - Enter the Cookie name as jsessionid in lowercase.
    - Clear Set session cookies to HTTPOnly to help prevent cross-site scripting attacks checkbox
6. Click OK.
7. Save changes in Master configurations.
8. Select the OmniDocs application and Stop and Start it.

Sometimes the OmniDocs Wrapper connection issue appears on a secure profile. To prevent this issue, you must do some port-level changes through the WebSphere console and copy the WebSphere client jars.

Copy and paste the following jar files from *<WebSphere_HOME>\runtimes* folder to *<Wrapper_Home>\Wrapper\Wrapper_Lib* folder. Here, *<WebSphere_HOME>* is the home directory of the WebSphere application server, and *<Wrapper_Home>* is the home directory of OmniDocs Wrapper.

- *com.ibm.ws.ejb.thinclient_8.5/9.0.0.jar*
- *com.ibm.ws.orb_8.5/9.0.0.jar*

For creating a WebSphere secure profile, refer to the section Creating WebSphere secure profile.

Registering a cabinet through OmniDocs in WebSphere

Register the cabinet for OmniDocs Desktop using the following URL:

http://<Application Server IP>: <http connector port of the WebSphere server>/omnidocs/dist/#/register

Example: *http://127.0.0.1:9080/omnidocs/dist/#/register*

The HTTP port of the WebSphere application server's default virtual host is 9080.

Where,

- *<Application Server IP>* is the IP of the machine where the WebSphere application server is running.
- *<http connector port of the WebSphere application server>* is the Port of the machine where the WebSphere application server is running.

Creating Labels, Sites, and Volumes

Creating a Label: To create a label, refer to the *OmniDocs 11.3 Service Administration Guide*.

Creating Sites and Volume: To create a Site and Volume, refer to the *OmniDocs 11.3 Administration Guide*.

After upgrading OmniDocs

This section and its subsections describe the post-installation activities that must be performed for an upgrade installation of OmniDocs 11.3.

Prerequisites:

- OmniDocs 11.0 SP2 must already be installed.
- In the case of an upgrade installation, upgrade the existing cabinet through OSA. To learn how to upgrade an OmniDocs cabinet, refer to the *OmniDocs Service Administration Guide*.

Upgrading OmniDocs cabinet

If the cabinet is already associated with the application, then there is no need to follow the associate cabinet steps in the case of binary plus cabinet upgrade.

To learn how to upgrade an OmniDocs cabinet, refer to the *OmniDocs Service Administration Guide*.

Registering OmniDocs cabinet in JBoss EAP

Refer to the section Registering a cabinet through OmniDocs in JBoss EAP.

Registering OmniDocs cabinet in WebLogic

Refer to the section Registering a cabinet through OmniDocs in WebLogic.

Registering OmniDocs cabinet in WebSphere

Refer to the section Registering a cabinet through OmniDocs in WebSphere.

Verifying successful installation

To verify that you have successfully installed OmniDocs 11.3, perform the following steps:

1. Make sure the installer is installed successfully without any errors.
2. Start the application server.
3. Launch the URL *http://127.0.0.1:8080/omnidocs/version.xml* after starting the server.
4. Launch the OmniDocs Admin or Web URL.
5. Check if you can register the cabinet successfully.
6. Check if you can sign in to the registered cabinet successfully in OmniDocs Web or Admin. If you can sign in, then it means that your installation is successful.