

NewgenONE OmniDocs

Docker Containers Hotfix Deployment Guide for OpenShift

Version: 11.3

Newgen Software Technologies Ltd.

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1 Preface

This guide describes how to deploy the hotfix for container based OmniDocs on the OpenShift Container Platform. OmniDocs is Newgen's flagship product. This guide also describes the end-to-end implementation of the product's hotfix deployment pipeline.

1.1 Revision history

Revision Date	Description
July 2024	Initial publication.

1.2 Intended audience

This guide is intended for System Administrators, developers, and all other users who are seeking information on the deployment of hotfix for container based OmniDocs. The reader must be comfortable understanding the computer terminology.

1.3 Documentation feedback

To provide feedback or any improvement suggestions on technical documentation, write an email to <u>docs.feedback@newgensoft.com</u>.

To help capture your feedback effectively, share the following information in your email.

- Document name
- Version
- Chapter, topic, or section
- Feedback or suggestions

1.4 Third-party product information

This guide contains third-party product information about configuring OpenShift Container Platform and Jenkins CICD Pipeline for Container Deployment on OpenShift. Newgen Software Technologies Ltd does not claim any ownership of such third-party content. This information is shared in this guide only for the convenience of our users and could be an excerpt from the OpenShift documentation. For the latest information on configuring the OpenShift Container Platform and Jenkins CICD Pipeline refer to the respective official documentation.

2 CI/CD pipeline

The CICD pipeline manages hotfix deployments of Newgen products on OpenShift Container Platform. Here, the Build Pipeline and Release Pipeline both are managed by the Jenkins server that can be installed on an on-premises machine or a bastion server.

2.1 CICD Pipeline for the hotfix of product

This section described the CICD Pipeline for the hotfix of Product.





To deploy the Newgen product's hotfix, follow the below steps:

- Pull the product's base images or latest images that are already deployed in the current environment, from the container registry.
- Update the hotfix files in the earlier running container images and create new container images. The deployment structure of these hotfix files (Dockerfile) is shared along with the hotfix files, which indicates how container images require update.
- Push the newly created images to the container registry.
- As soon as any container Image is pushed to the RedHat Quay Registry, Jenkins Release Pipeline triggers the deployment to the Dev environment.

 UAT and Production deployments are based on approval and are available on-demand. To deploy to the UAT or Production environment, you must trigger the UAT or Production deployment. Upon deployment trigger, an approval mail is sent to the project manager or the concerned team. As soon as the project manager or concerned team approves the go-ahead, UAT or Production deployment gets started.

3 Implementing hotfix deployment pipeline

The hotfix deployment pipeline is separated into two parts: Build Pipeline (Continuous Integration) and Release Pipeline (Continuous Deployment). Build Pipeline and Release Pipeline both are configured through the Jenkins server.

For configuration of Jenkins Release Pipeline, refer to the *NewgenONE OmniDocs 11.3 Docker Containers Custom Code Deployment Guide for OpenShift* document.

3.1 Build pipeline guidelines

The Build pipeline guidelines are as follows:

• A pre-defined folder structure for the product's hotfix is present. The product team shares the hotfixes in that folder structure only.

For Example,

OmniDocs Hotfix Structure
Dockerfile_EJB
Dockerfile_Services
Dockerfile_WEB
Common
│ └──_artifacts
bin bin
l Lib
ЕЈВ
└──artifacts
bin
deploy
l L-lib
ODServices
AlarmMailer
Scheduler
ThumbnailManager
Wrapper
L——WEB
└──_artifacts
bin
deploy
lib í

Figure 3.1

- The WEB components and EJB components are separated into two parts. The Web components are deployed to the underlying WebServer JWS 6.0.x and EJB components are deployed to the underlying AppServer JBoss EAP 7.4.x. The build binaries are segregated like configuration files, deployable files, and dependent libraries for each container. Some binaries are specific to the WEB container, some binaries are specific to the EJB container, and some binaries are common to both containers.
- Along with the hotfix binaries, there are some Docker files. Dockerfile is a text file that contains
 instructions for building a Docker image. It's like a script file. You must uncomment the first and
 second lines respective to the cloud provider: AWS, Azure or OpenShift.
 For example,

```
#FROM REGISTRY ID.dkr.ecr.REGION.amazonaws.com/IMAGE NAME:IMAGE TAG
                                                                      #For AWS
#FROM ContainerRegistryPath/IMAGE NAME:IMAGE TAG
                                                                      #For Azure
LABEL maintainer="Newgen Software Technologies Limited"
# Install OmniDocs Web Components on JWS 6.0
COPY --chown=docker:newgen WEB/artifacts/bin /Newgen/jws-6.0/tomcat/bin
COPY --chown=docker:newgen WEB/artifacts/lib /Newgen/jws-6.0/tomcat/lib
COPY --chown=docker:newgen WEB/artifacts/deploy /Newgen/jws-6.0/tomcat/webapps
COPY --chown=docker:newgen Common/artifacts/bin /Newgen/jws-6.0/tomcat/bin
COPY --chown=docker:newgen Common/artifacts/lib /Newgen/jws-6.0/tomcat/lib
EXPOSE 8080
#Switch to user: docker
USER 1000
WORKDIR /Newgen/jws-6.0
CMD /bin/run.sh
```



```
#FROM REGISTRY_ID.dkr.ecr.REGION.amazonaws.com/IMAGE_NAME:IMAGE_TAG  #For AWS
#FROM ContainerRegistryPath/IMAGE_NAME:IMAGE_TAG  #For Azure
LABEL maintainer="Newgen Software Technologies Limited"
# Install NewgenOne AutomationStudio EJB Components on JBossEAP 7.4
COPY --chown=docker:newgen EJB/artifacts/bin /Newgen/jboss-eap-7.4/modules/omnidocs_library/main
COPY --chown=docker:newgen EJB/artifacts/lib /Newgen/jboss-eap-7.4/standalone/deployments
COPY --chown=docker:newgen Common/artifacts/bin /Newgen/jboss-eap-7.4/bin
COPY --chown=docker:newgen Common/artifacts/lib /Newgen/jboss-eap-7.4/bin
COPY --chown=docker:newgen Common/artifacts/lib /Newgen/jboss-eap-7.4/bin
COPY --chown=docker:newgen Common/artifacts/lib /Newgen/jboss-eap-7.4/modules/omnidocs_library/main
EXPOSE 8080 9990
#Switch to user: docker
USER 1000
WORKDIR /Newgen/jboss-eap-7.4
CMD /bin/run.sh
```

Figure 3.3

- Deployable files and dependent libraries are merged inside the container images as there are no dynamic changes in these types of files. Also, they can be merged using Dockerfiles shared along with hotfixes.
- Since configuration files are dynamic, they must be kept outside the container. For this, volume persistence is mapped to the external disk storage like NAS server. So, whenever configuration changes are found in a product's hotfix, update the configuration files located at external disk storage along with updating the container images.
- If database scripts are found in a product's hotfix *DatabaseScripts* folder, execute them manually through Database Client software.
- Jenkins Build Pipeline have three jobs that are as follows:
 - i. Pull the latest container image from the container repository in which the hotfix must be deployed.
 - ii. Create new container images after updating the hotfix binaries.
 - iii. Push the newly created container image to the container registry.

	Build Pipeline: HotFix Deployment Pipeline								
			😰 📝 🎇 嘗 🚫 🂥 Run History Configure Add Step Delete Manage						
	Pull Docker Image for HotFix	•	Create Docker Images for HotFix	•	Push HotFix Docker Image				
Pipeline	#1 Pull Docker Image for HotFix		#1 Create Docker Images for HotFix		#1 Push HotFix Docker Image				
#1	May 6, 2021 5:07:20 PM		May 6, 2021 5:07:28 PM	-	May 6, 2021 5:07:38 PM				
	a devops		Sector Sec						
_		1		1					
l I									

Figure 3.4

- Before pulling the latest container images from the container registry, Jenkins reads the *UserInput.properties* file.
- This properties file contains all the user inputs that are required for condition-based hotfix deployment.
- This property file has multiple sections. For example:
 - #Container Registry Info
 - This section contains the container registry information. Here you must provide **Quay_Server details** of the RedHat Quay registry. **Quay_User** and **Quay_Password** are used as encrypted environment variables in Jenkins jobs. For example,



• #HotFix Info

Deploy the hotfix location.

For example,

HotFix_Location="C:\Users\Administrator\Downloads\ OmniDocs 11.0 SP2_HF01 "

• #Container Image to be updated

Select the Docker image(s) in which you must deploy hotfix binaries. For example, deploy a hotfix in the OmniDocs WEB container, then set the OmniDocs _WEB=Y.

For example,

Figure 3.6

• # Container Image Info

This section contains the information about the source container images in which hotfix binaries get updated or deployed.

For example,

Figure 3.7

• #New Container Image Info with Hotfix changes

This section contains the information about new container images that get created after updating the hotfix binaries.

For example,

Figure 3.8

• #Other user Inputs

This section contains other information that can be used in the Jenkins pipeline. For example,



• Based on the input provided in the *UserInput.properties* file, Jenkins pulls the container images, creates new container images after updating hotfix binaries, and pushes container images to the container repository.

3.2 Configuring Jenkins for Build Pipeline

This section describes how to configure Jenkins for Build Pipeline.

3.2.1 Prerequisites

Following are the prerequisites:

- **Operating System**: Windows Server 2019 or above (Edition: Standard or Datacenter).
- Java 1.11 update 18 and above.
- **Docker Engine** 20.10.10 or later version must be installed.
- **OpenShift CLI** 4.12.8 or a later version compatible with OpenShift cluster.
- Cygwin utility must be installed. [This utility is used to execute the Linux commands on Windows].
- Jenkins 2.246.0 or a later version must be installed with default suggested plug-ins along with the following plug-ins.
 - Conditional Build Step
 - Credentials Binding
 - Environment Injector

3.2.2 Configuring Jenkins jobs

For the hotfix deployment pipeline, Jenkins contains the three jobs that are as follows:

- 1. Pull the latest container image from the container repository in which hotfix must be deployed.
- 2. Create new container images after updating the hotfix binaries.
- 3. Push the newly created container images to the container registry.

Before creating any job, perform the following server-level configurations in Jenkins.

1. Log in to the Jenkins Server.

🧕 Sign in (Jenkins) x +	
← → C ▲ Not secure 192.168.57.40.1234/login?from=%2F	🕶 🖈 🚳 Incognito 🚦
Welcome to Jenkins!	
Username]
Password	
Sign in	
Keep me signed in	
Figure 3.10	

2. After successful login, click Manage Jenkins link given in the left panel.



Figure 3.11

3. Click Configure System in the System Configuration.



Figure 3.12

- 4. In **Global properties**, define an environment variable **PATH** with the following values separated with a semicolon:
 - Docker installation path. For example, C:\Program Files\Docker\Docker\resources\bin
 - Cygwin installation path. For example, C:\cygwin64\bin
 - OpenShift CLI installation path. For example, C:\Software\utilties\oc-4.12.8-windows
 - Windows System32 path [C:\Windows\System32]

```
PATH=C:\Program
```

```
Files\Docker\Docker\resources\bin;C:\cygwin64\bin;C:\Software\utilties\oc-
4.12.8-windows;C:\Windows\System32
```

Glob	bal properties
	Disable deferred wipeout on this node ?
	Environment variables
L	ist of variables ?
	Name
	PATH
	Value
	PATH=C:\Program Files\Docker\Docker\Cocker\resources\bin;C:\cygwin64\bin;C:\Software\utilties\oc-4.12.8-windows;C:\Windows\System32
	·



5. Click **Save** the changes.

3.2.2.1 Pull Docker Image for Hotfix

Perform the below steps to pull the Docker image for the hotfix:

- 1. Click the **New Item** link given on the left panel.
- 2. Specify the item name or job name and select the project type as Freestyle project.
- 3. Specify the project description.
- 4. Select the checkbox **Inject passwords to the build as environment variables** in the **Build Environment** section.
- 5. Specify two Job passwords: **Quay_User** and **Quay_Password** and provide the appropriate username and password of the RedHat Quay Registry.

For example,

Clobal passwords	
Global passwords	
lob passwords ?	
Passwords list	
Name ?	
Quay_User	
Password ?	
Concealed	Change Pas
Name ?	
Quay_Password	
Password ?	
Concealed	Change Pas

Figure 3.14

- 6. Add Inject environment variables as a build step task under the Build section.
- 7. Specify the UserInput.properties file path.

Build		
Inject environment	variables	x ?
Properties File Path	D:\HotFixDeployment\Master\UserInput.properties	2
Properties Content		2



- 8. Add Conditional step (single) as a build step task under the Build section.
- 9. Choose **Execute Windows batch command** as **Run?** and **Builder**. ['Run?' is a condition to decide whether a 'builder' command must run or not].
- 10. Specify the following command for the condition:

```
@echo off
findstr /I " OmniDocs WEB=Y" D:\HotFixDeployment\Master\UserInput.properties
```

11. Specify the following commands for the builder:

```
@echo off
set Quay_Server=%Quay_Server%
set Quay_User=%Quay_User%
set Quay_Password=%Quay_Password%
set ImageName=%OmniDocs_WEB_ImageName%
set ImageTag=%OmniDocs_WEB_Imagetag%
docker login -u="%Quay_User%" -p="%Quay_Password%" quay.io
docker pull %Quay_Server%/%ImageName%:%ImageTag%
```

Execute Windows batch command ?		
Command		
See the list of available environment variables		
echo off		
findstr /I " OmniDocs _WEB=Y" D:\HotFixDeployment\#	Naster\UserInput.properties	
Advanced		
Execute Windows batch command (?)		
Execute Windows batch command ?		
Execute Windows batch command ? Command See the list of available environment variables		
Execute Windows batch command Command See the list of available environment variables Pecho off		
Execute Windows batch command Command See the list of available environment variables Pecho off cat Juny Serving Varian Serving S		
Execute Windows batch command ? Command See the list of available environment variables @echo off set Quay_Server=%Quay_Server% set Quay_User=%Quay_User%		ĺ
Execute Windows batch command Command See the list of available environment variables @echo.off set Quay_Server=%Quay_Server% set Quay_User=%Quay_Password% set TuasePume=% Monipoors. UKEn TuasePume%		1
Execute Windows batch command ? Command See the list of available environment variables echo off set Quay_Server=%Quay_Server% set Quay_Hiser% set Quay_User% Source Juser% set ImageName& JMED_ImageName% set ImageName& JMED_ImageName%		ĺ
Execute Windows batch command ? Command See the list of available environment variables @echo off set Quay_Server=%Quay_Server% set Quay_Der=%Quay_Tessword%Quay_Tes	quay.10	

Figure 3.16

- 12. Click Save the changes.
- 13. Here, the condition and builder are set for the **OmniDocs _WEB** Docker image. There are more Conditional steps (single) for other Docker images like:
 - OmniDocs_EJB
 - OmniDocs_Services

3.2.2.2 Creating a container image for Hotfix

Perform the below steps to create the container image for Hotfix:

- 1. Click **New Item** link appears on the left panel.
- 2. Specify the item name or job name and select the project type as Freestyle project.
- 3. You can specify the project description.
- 4. Add Inject environment variables as a build step task under the Build section.
- 5. Specify the *UserInput.properties* file path.

Build		
Inject environment	variables	× ?
Properties File Path	D:\HotFixDeployment\Master\UserInput.properties	•
Properties Content		0



- 6. Add Conditional step (single) as a build step task under the Build section.
- 7. Select **Execute Windows batch command** as **Run?** and **Builder**. ['Run?' is a condition to decide whether a 'builder' command must run or not].
- 8. Specify the following command for the condition:

```
@echo off
findstr /I " OmniDocs WEB=Y" D:\HotFixDeployment\Master\UserInput.properties
```

9. Specify the following commands for the builder:

```
@echo off
set ImageFilePath="%HotFix Location%"
set SourceImageName=% OmniDocs WEB ImageName%
set SourceImageTag=% OmniDocs WEB Imagetag%
set DestImageName=%HotFix_ OmniDocs _WEB_ImageName%
set DestImageTag=%HotFix OmniDocs WEB Imagetag%
set DockerFileName=Dockerfile WEB
if exist %ImageFilePath% goto found
goto notfound
:found
pushd %ImageFilePath%
copy /y %DockerFileName% %DockerFileName%_temp
if exist %DockerFileName% temp (
   sed -i s+QUAY REGISTRY+%Quay Server%+g %DockerFileName% temp
   sed -i s+IMAGE NAME+%SourceImageName%+g %DockerFileName% temp
  sed -i s+IMAGE TAG+%SourceImageTag%+g %DockerFileName% temp
) else (
    goto DockerfileNotFound
```

```
pushd %ImageFilePath%
docker build . -t %DestImageName%:%DestImageTag% -f %DockerFileName%_temp
del /Q %DockerFileName%_temp
goto finish
:DockerfileNotFound
echo "%DockerFileName%_temp does not exist."
goto finish
:notfound
echo "HotFix Location does not exist."
:finish
exit /b 0
```

— Execute Windows batch comman	nd 2				
	iiu r				
Command					
See the list of available environment va	riables				
@echo off					
findstr /I " OmniDocs _WEB=Y"	D:\HotFixDeployr	ment\Master\UserIr	nput.prop	rties	
Advanced					
Advanced					
Advanced					
Advanced Execute Windows batch comman	nd (?)				•
Advanced Execute Windows batch comman	nd 🕐				0
Advanced Execute Windows batch comman Command See the list of available environment va	nd ? riables				•
Advanced Execute Windows batch comman Command See the list of available environment va	nd ? riables				0
Advanced Execute Windows batch comman Command See the list of available environment va @echo off set ImageFilePath="%HotFix Loc.	nd ? riables ation%"				0
Advanced Execute Windows batch comman Command See the list of available environment va @echo off set ImageFilePath="%HotFix_Loc set SourceImageName=% OmniDocs	nd ? riables ation%" _WEB_ImageName3				0
Advanced Execute Windows batch comman command See the list of available environment va @echo off set TmagerilePath="%HotFix_Loc: set SourceImageName=% OmniDocs set SourceImageName=% OmniDocs set SourceImageName=% VotFix_OmniDocs	nd ? riables ation%" _WEB_ImageName3 _WEB_Imagetag% /Norc.WEB_Tagar	ž Namož			•
Advanced Execute Windows batch comman Command See the list of available environment va @echo off set ImageFilePath="%HotFix_Loc set SourceImageTageX OmniDocs set SourceImageTageX OmniDocs set DestImageTageX HotFix_Omni set DestImageTageX HotFix_Omni	nd ? riables ation%" _WEB_ImageName0 _WEB_ImageTag% iDocs_WEB_Image Ocs_WEB_Imaget	% eName% tag%			0
Advanced Execute Windows batch comman Command See the list of available environment va @echo off set ImageFilePath="%HotFix_Loc set SourceImageTage*X OmniDocs set SourceImageTage*X OmniDocs set DestImageTage*XHotFix_Omn set DestImageTage*XHotFix_Omniset DestImageTage*XHotFix_Omniset DestImageTage*XHotFix_Omniset DestImageTage*XHotFix_Omniset DestEngeTage*XHotFix_Omniset DestEnge*XHotFix_Omniset DestEnge*XHotFix_Omnis	nd ? riables ation%" _wEB_ImageName2 iDocs _wEB_Image Docs _wEB_Imagef wEB	% eName% tag%			0

Figure 3.18

- 10. Click **Save** the changes.
- 11. Here, the condition and builder are set for the **OmniDocs _WEB** Docker image.

There are more Conditional steps (single) for other Docker images like:

- OmniDocs_EJB
- OmniDocs_Services
- 12. For **OmniDocs_EJB**, use Conditional steps (multiple). In OmniDocs Hotfix, the OmniDocs_ejb.jar is received instead of *OmniDocs_ejb.ear*. In such a case, extract the *OmniDocs_ejb.ear* from the

existing container image, update the latest *OmniDocs_ejb.jar*, and then create a new container image.

- 13. Add Conditional step (multiple) as a build step task under the Build section.
- 14. Choose **Execute Windows batch command** as **Run?** and **Builder**. ['Run?' is a condition to decide whether a 'builder' command must run or not].
- 15. Add 2 Add step to condition in the Steps to run if the condition is met section.

For example,

Condit	al steps (multiple)	
Run?	xecute Windows Batch commands	0
	Command	2
	Advanced	
S	ps to run if condition is met	
	Execute Windows batch command	
Add build	p Inject environment variables Invoke Ant Invoke too-level Maven targets	
Post-bui	Run with timeout Trigger/call builds on other projects	

Figure 3.19

16. Specify the following command for the condition:

```
@echo off
findstr /I "OmniDocs EJB=Y" D:\HotFixDeployment\Master\UserInput.properties
```

17. Specify the following commands for the first builder:

```
@echo off
for /f %%i in ('docker create %OmniDocs_EJB_ImageName%:%OmniDocs_EJB_Imagetag%')
do set RESULT=%%i
set srcFile= srcFile=/Newgen/jboss-eap-
7.4/standalone/deployments/OmniDocs_ejb.ear
set destDir=D:\HotFixDeployment\TempDir\OmniDocs_EJB
md %destDir%
docker cp %RESULT%:%srcFile% %destDir%
docker rm -f %RESULT%
```

```
set OD EJB Location=%HotFix Location%\EJB\artifacts\deploy
if exist %OD EJB Location% goto found
goto notfound
:found
pushd %OD EJB Location%
if exist %OD EJB Location% \OmniDocs ejb.jar goto continue
goto filenotfound
:continue
pushd %OD EJB Location%
"%JAVA_HOME%\bin\jar.exe" -uvf %destDir%\OmniDocs ejb.ear OmniDocs ejb.jar
xcopy %destDir%\OmniDocs ejb.ear %OD EJB Location%\ /I /Y
del /Q %OD EJB Location%\OmniDocs ejb.jar
goto finish
:filenotfound
echo "OmniDocs ejb.jar could not found."
:notfound
echo "%OD EJB Location% does not exist."
:finish
RD /S /Q %destDir%
exit /b 0
```

```
18. Specify the following commands for the second builder:
```

```
@echo off
set ImageFilePath="%HotFix Location%"
set SourceImageName=%OmniDocs EJB ImageName%
set SourceImageTag=%OmniDocs EJB Imagetag%
set DestImageName=%HotFix OmniDocs EJB ImageName%
set DestImageTag=%HotFix OmniDocs EJB Imagetag%
set DockerFileName=Dockerfile EJB
if exist %ImageFilePath% goto found
goto notfound
:found
pushd %ImageFilePath%
copy /y %DockerFileName% %DockerFileName% temp
if exist %DockerFileName%_temp (
      sed -i s+QUAY REGISTRY+%Quay Server%+g %DockerFileName% temp
      sed -i s+IMAGE NAME+%SourceImageName%+g %DockerFileName% temp
      sed -i s+IMAGE_TAG+%SourceImageTag%+g %DockerFileName%_temp
) else (
    goto DockerfileNotFound
```

```
)
pushd %ImageFilePath%
docker build . -t %DestImageName%:%DestImageTag% -f %DockerFileName%_temp
del /Q %DockerFileName%_temp
goto finish
:DockerfileNotFound
echo "%DockerFileName%_temp does not exist."
goto finish
:notfound
echo "HotFix Location does not exist."
:finish
exit /b 0
```

19. Click Save. The changes get saved.

3.2.2.3 Push HotFix Docker Image

Perform the below steps to push the hotfix Docker images:

- 1. Click **New Item** link appears on the left panel.
- 2. Specify the item name or job name and select the project type as Freestyle project.
- 3. Specify the project description.
- 4. Select the checkbox **Inject passwords to the build as environment variables** under the **Build Environment** section.
- Specify two Job passwords: Quay_User and Quay_Password and provide the appropriate username and password of the RedHat Quay Registry.
 For example,

Inject passwords to the build as environment variables	
Global passwords ?	
Job passwords ?	
Passwords list	
Name ?	×
Quay_User	
Password (?)	
Concealed	Change Password
Name 2	×
Quay_Password	
Password ?	
Concealed	Change Password

Figure 3.20

- 6. Add Inject environment variables as a build step task under the Build section.
- Specify the UserInput.properties file path. For example,

Build				
Inject environment	variables	X	?	
Properties File Path	D:\HotFixDeployment\Master\UserInput.properties		?	
Properties Content			0	
		11		

Figure 3.21

- 8. Add Conditional step (single) as a build step task under the Build section.
- 9. Choose **Execute Windows batch command** as **Run?** and **Builder**. ['Run?' is a condition to decide whether a 'builder' command must run or not].
- 10. Specify the following command for the condition:

```
@echo off
```

findstr /I "OmniDocs_WEB=Y" D:\HotFixDeployment\Master\UserInput.properties

11. Specify the following commands for the builder:

```
@echo off
set Quay_Server=%Quay_Server%
```

```
set Quay_User=%Quay_User%
set Quay_Password=%Quay_Password%
set ImageName=%HotFix_OmniDocs_WEB_ImageName%
set ImageTag=%HotFix_OmniDocs_WEB_Imagetag%
set BuildNumber=%ImageTag%-build-%BUILD_NUMBER%
docker login -u="%Quay_User%" -p="%Quay_Password%" quay.io
docker tag %ImageName%:%ImageTag% %Quay_Server%/%ImageName%:%ImageTag%
docker tag %ImageName%:%ImageTag% %Quay_Server%/%ImageName%:%BuildNumber%
```

General Source Code Management Build Triggers Build Environment Build Post-build Actions				
Execute Windows batch command ?	8			
See the list of available environment variables				
@echo off findstr /I " OmniDocs _WEB=Y" D:\HotFixDeployment\Master\UserInput.properties				
Advanced				
Execute Windows batch command ?	×			
Command				
See the list of available environment variables				
@echo off				
set Quay_Server=%Quay_Server% set Quay_User=%Quay_User%				
<pre>set Quay_Password=%Quay_Password% set ImageName=%HotFix OmniDocs WEB ImageName%</pre>				
set ImageTag=%HotFix_ OmniDocs _WEB_Imagetag%				
docker login -u="%quay_User%" -p="%quay_Password%" quay.io				
docker tag %ImageName%;%ImageTag% %Quay_Server%/%ImageName%;%ImageTag%				
Save				

Figure 3.22

- 12. Click Save the changes.
- 13. Here, the condition and builder are set for the **OmniDocs _WEB** Docker image. There are more Conditional steps (single) for other Docker images like:
 - OmniDocs_EJB
 - OmniDocs_Services