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# NewgenONE OmniOMS

## Import and Export of Template Automation

### User Guide

Version: 12.0

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# Contents

<b>Preface .....</b>	<b>4</b>
Revision history .....	4
About this guide.....	4
Intended audience .....	4
Related documents .....	5
Documentation feedback .....	5
<b>Export automation.....</b>	<b>6</b>
Process.....	6
File details.....	6
Input file tags description.....	7
Error capture.....	9
<b>Import automation .....</b>	<b>11</b>
Process.....	11
File details.....	11
Input file tags description.....	12
Error capture.....	15

# Preface

This section provides information about the revision history, about this guide, details on the intended audience, and related documentation for this guide.

## Revision history

Revision date	Description
October 2024	Initial publication

## About this guide

This guide provides information on how to import and export templates automation.

To ensure you are referring to the latest and most recent revision of this guide, download it from one of the following locations:



- [Newgen Internal Doc Portal](#), if you are a Newgen employee.
- [Newgen Partner Portal](#), if you are a Newgen partner.

## Intended audience

This guide is intended for familiar users of OmniOMS, developers, and systems administrators who are seeking information on configuring and customizing the import and export of templates functionality in NewgenONE OmniOMS. The reader must be comfortable with software programming and OmniOMS to configure parameters and settings.

## Related documents

Following documents provide additional information about NewgenONE OmniOMS Import and Export of Template Automation:

- NewgenONE OmniOMS Release Notes
- NewgenONE OmniOMS Composition Designer Installation and Configuration Guide
- NewgenONE OmniOMS Composition Designer User Guide
- NewgenONE OmniOMS Developer Guide

## Documentation feedback

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

# Export automation

The following section includes information on the process of exporting automation.

## Process

To export templates, follow the below steps:

1. Provide all the information in the *Export Input XML/INI file* (*ExportAutomation.xml/.ini*) about login credentials, Category Name, Communication Group Name, Report Details, and Dataset Details that are to be imported for exporting the templates.
2. Run the batch file *RunAutomatedExport.bat* to generate a .mdb file containing the exported templates and an *Import Input XML (ImportAutomation.xml)* file having the details about the templates exported and other parameters which helps during the import of templates at the given *OutputFilePath*. Log files (*ExportStatus.txt*, *ExportAutomationLogs.log*) get created with response codes at the *OutputFilePath* path for users' perusal.

## File details

Following are the file details:

- Export Input XML/INI (*ExportAutomation.xml/.ini*) consists of all the information about login credentials, Category Name, Communication Group Name, Report Details, and Dataset Details that are to be imported.
- The batch file *RunAutomatedExport.bat* consists of the EXE Path, “-export”, “-ini” or “-XML” commands, and the path of Export Input XML/INI.  
Example — “C:\NEWGEN OmniOMS\OmniOMS Designer\bin\Composition Designer.exe” -export -xml “Export Input XML FilePath”
- XSD Schema *ExportAutomationXSDSchema.xsd* is attached to verify against the Export Input XML set up by a user.

# Input file tags description

The following are details of tags available in the Export Input XML file:

XML tag	Input	Description
FetchCredentialFromSecretManager	Y or N	Determines whether to fetch credentials from the Secret Manager. If Y, the credentials are retrieved using the SecretManagerKey, and the ExportLoginName and ExportLoginPassword tag values are not required. If N, credentials must be provided directly.
SecretManagerKey	String Value	The key used to access credentials from the Secret Manager when FetchCredentialFromSecretManager is set to Y.
ExportLoginName	String Value	Input the username that must be used to login into Composition Designer.
ExportLoginPassword	String Value	Input the password that must be used to login into Composition Designer.
ExportForcefullLogin	Y or N	The logged-in user is signed out and logged in to the Composition Designer again.
CategoryName	String Value	Automation checks if the category is available. If available, it uses the category, else it throws an error.
CommunicationGroupName	String Value	Automation checks inside the mentioned category; the communication group is available or not. If available, it uses the communication group, else it throws an error.
ReportName	String Value	Name of the Report(s). Multiple reports can be separated by a comma. Example: R1, R2, R3. If empty, all the baselined reports in the Communication Group is exported.
OutputFilePath	String Value	File path to store the .mdb and import.xml files.
ImportLoginName	String Value	Input the Username that must be used to login into Composition Designer for automated import.

XML tag	Input	Description
ImportLoginPassword	String Value	Input the password that must be used to login into Composition Designer for automated import.
ImportForcefullLogin	Y or N	The already logged-in user is signed out and logged in to the Composition Designer again for the automated import.
BaselineReport	Y or N	After import, the reports can be baselined or cannot read from this tag. Normal import is not support the baselining of the report.
ImportOutputformat	Y or N	Imports the output format to the Communication Group according to the input from this tag.
ImportDecisionTable	Y or N	Imports the decision table in Reports according to the input from this tag.
NewReport	Y or N	Reports from MDB must be imported newly or overwrite is taken as input from this tag. If NewReport is Y, then NewReportVersion must be N.
NewReportVersion	Y or N	Reports from MDB must be imported newly or overwrite is taken as input from this tag. If NewReportVersion is Y, then NewReport must be N.
ImportDataset	Y or N	According to input, Dataset is imported and associated with the Communication Group. The following dataset-related tags are mandatory to input if Y is provided as Input.

The dataset information is provided within the following tags:

XML tag	Input	Description
NewDataset	Y or N	Dataset to be imported newly or overwrite is taken as input from this tag. If NewDataset is Y, then NewDatasetVersion must be N.
NewDatasetVersion	Y or N	Dataset to be imported newly or overwrite is taken as input from this tag. If NewDatasetVersion is Y, then NewDataset must be N.
AssociateDatset	Y or N	Associates the dataset with the imported templates.

XML tag	Input	Description
ImportDSNName	String Value	Cabinet Name
Secured	Y or N	If Cabinet is secured or not.

### Sample XML

```
<NewDataset>Y</NewDataset>
<NewDatasetVersion>N</NewDatasetVersion>
<AssociateDatset>Y</AssociateDatset>
<ImportDSNName>CabinetName</ImportDSNName>
<Secured>N</Secured>
```

The job information is provided within the following tags:

XML tag	Input	Description
ImportJob	Y or N	To import Job or not.
NewJob	Y or N	To import as a New Job.
UpgradeJob	Y or N	To upgrade the existing Job if present.

### Sample XML

```
<ImportJob>Y</ImportJob>
<NewJob>Y</NewJob>
<UpgradeJob>N</UpgradeJob>
```

## Error capture

- The export status log file (*ExportStatus.txt*) holds the error codes.
- The export automation log file (*ExportAutomationLogs.log*) captures the step-by-step process logs.
- The export-related errors are captured in Export logs, as it is working in the current Export functionality.
- The designer-related errors are captured in the Composition Designers error log.

Following are the details of the error codes:

Error code	Error message	Description
3000	Success	Successful export.

Error code	Error message	Description
3001	InvalidLogin	Error in login credentials (username or password).
3002	FileNotFound	Either export input XML or INI file does not exist.
3003	InvalidInputXMLINIField	A field in the export input XML or INI is invalid.
3004	InvalidInputCategoryName	The input category name does not exist.
3005	InvalidInputCommunication GroupName	The input Communication Group name does not exist.
3006	InvalidInputReportName	An invalid report name has been entered that is not baselined or does not exist.
3007	EmptyCategoryField	An empty input Category name has been provided.
3008	EmptyCommunication GroupField	An empty input Communication Group name has been provided.
3009	ExportError	An error occurred in exporting the reports.
3011	ErrorInFetchingJobs	An error in fetching the jobs.

# Import automation

The following section includes information on the process of importing automation.

## Process

Run the Import batch file *RunAutomatedImport.bat* by placing the *.mdb* and *input.xml* (*ImportAutomation.xml*) files (generated by the export batch file) in the same location in the higher environment. If the same location is unavailable in the higher environment, update the location path in the *input.xml* file before executing the import command.

Log files (*ImportStatus.txt*, *ImportAutomationLogs.log*) are created with response codes at the *OutputFilePath* path for users' perusal.

## File details

Following are the file details:

- Import input XML (*ImportAutomation.xml*) consists of all the information of MDB Path, Log Path, Report Details, Job Details, and Dataset Details that must be imported.
- The batch file consists of the EXE Path, "-import", "-XML" commands, and the path of Input XML.  
Example — "C:\NEWGEN OmniOMS\OmniOMS Designer\bin\Composition Designer.exe" -import -xml "Import Input XML FilePath".
- XSD Schema *ImportAutomationXSDSchema.xsd* is attached to verify against the Input XML setup by the user.

# Input file tags description

The *ImportAutomation.xml* file is auto-created at the time of export. Do not make any changes to this file during import unless anything specific needs to be updated.

The following are details of tags available in the Import Input XML file:

XML tag	Input	Description
MDBFilePath	MDB file path string	The MDB path must be provided. That is considered as an input file for automation. The Reports and Jobs mentioned in the forthcoming columns must be present in the MDB.
LogFilePath	Logfile path string	The log file path generates a log that prints SUCCESS or FAILURE after the call execution. If any failure occurred, that can be seen in the general log's path of Composition Designer with the import errors.
FetchCredentialFromSecretManager	Y or N	Determines whether to fetch credentials from the Secret Manager. If Y, the credentials will be retrieved using the SecretManagerKey, and the ImportLoginName and ImportLoginPassword tag values are not required. If N, credentials must be provided directly.
SecretManagerKey	String Value	The key for accessing credentials from the Secret Manager when FetchCredentialFromSecretManager is set to Y.
ImportLoginName	String Value	Input the username that must be used to login into Composition Designer.
ImportLoginPassword	String Value	Input the password that must be used to login into Composition Designer.
ImportForcefullLogin	Y or N	The logged-in user is signed out and logged in to the Composition Designer again.
CategoryName	String Value	Automation checks if the category is available. If available, it uses the category, else it throws an error.

XML tag	Input	Description
CommunicationGroupName	String Value	Automation checks inside the mentioned category; the Communication Group is available or not. If available, it uses the Communication Group, else it throws an error.
BaselineReport	Y or N	After import, the reports can be baselined or cannot read from this tag. Normal import does not support the baselining of the report.
ImportOutputformat	Y or N	Imports the output format to the Communication Group according to the input from this tag.
ImportDecisionTable	Y or N	Imports the decision table in reports according to the input from this tag.
NewReport	Y or N	Reports from MDB must be imported newly or overwrite is taken as input from this tag. If NewReport is Y, then NewReportVersion must be N.
NewReportVersion	Y or N	Reports from MDB must be imported newly or overwrite can be taken as input from this tag. If NewReportVersion is Y, then NewReport must be N.
ImportDataset	Y or N	According to input, the dataset can be imported and associated with the Communication Group. The following dataset-related tags are mandatory to input if Y is provided as Input.

The dataset information is provided within the following tags:

XML tag	Input	Description
NewDataset	Y or N	Dataset to be imported newly or overwrite is taken as input from this tag. If NewDataset is Y, then NewDatasetVersion must be N.
NewDatasetVersion	Y or N	Dataset to be imported newly or overwrite is taken as input from this tag. If NewDatasetVersion is Y, then NewDataset must be N.
AssociateDatset	Y or N	Associate the dataset with the imported templates.
ImportDSNName	String Value	Cabinet Name.
Secured	Y or N	If Cabinet is secured or not.

### Sample XML

```
<NewDataset>Y</NewDataset>
<NewDatasetVersion>N</NewDatasetVersion>
<AssociateDatset>Y</AssociateDatset>
<ImportDSNName>CabinetName</ImportDSNName>
<Secured>N</Secured>
```

The job information is provided within the following tags:

XML tag	Input	Description
ImportJob	Y or N	Whether to import job or not.
NewJob	Y or N	Whether to create a new job for the imported job or not. If NewJob = Y then UpgradeJob = N.
UpgradeJob	Y or N	Whether to upgrade the existing job for the Imported Job or not. If UpgradeJob = Y, then NewJob = N.

The report information is provided within the following tags:

XML tag	Input	Description
ReportName	String Value	Input the name of the Report to be imported.
Name	String Value	Input the name of the Job to be imported.

## Sample XML

```
<Reports>
  <Report>
    <ReportName>New Report 1</ReportName>
    <Jobs>
      <Job>
        <Name>Job1</Name>
      </Job>
      <Job>
        <Name>Job2</Name>
      </Job>
    </Jobs>
  </Report>
  <Report>
    <ReportName>New Report 2</ReportName>
    <Jobs>
      <Job>
        <Name>Job3</Name>
      </Job>
      <Job>
        <Name>Job4</Name>
      </Job>
    </Jobs>
  </Report>
</Reports>
```

## Error capture

- The import status log file (*ImportStatus.txt*) holds the error codes.
- The import automation log file (*ImportAutomationLogs.log*) captures the step-by-step process logs.
- The import-related error is captured in Import logs, as it is working in the current Import functionality.
- The designer-related error is captured in the Composition Designer error log.

Following are the details of the error codes:

Error code	Error message	Description
4000	Success	Successful import.
4001	InvalidLogin	Error in login credentials (username or password).
4002	FileNotFound	Export input XML file does not exist.
4003	InvalidInputXMLINIField	A field in the export input XML is invalid.
4004	InvalidInputCategoryName	The input category name does not exist.
4005	InvalidInputCommunication GroupName	The input Communication Group name does not exist.
4006	InvalidInputReportName	An invalid report name has been entered that is not baselined or does not exist.
4007	EmptyCategoryField	An empty input category name has been provided.
4008	EmptyCommunication GroupField	An empty input communication group name has been provided.
4009	EmptyReportField	An empty report name has been provided.
4010	ProcessRunning	CDG is already running.
4011	BaselineError	Error in baselining the imported reports.
4012	ImportError	An error occurred during the import process.