



Document Output Handling in XTUI

Iptor IP1

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Table of Contents

Introduction.....	3
Setup and Configuration for Document Output function	4
Structure of the document output folder	4
AEM Workbench Config.xml	4
IP1 Document exchange setup	5
XT Dispatcher configuration.....	5
Activating the Document Output function	6
Using Document Output Function	8
Available options	9
Document Output Notification	11
None	11
Silent.....	11
Open document	12
Popup	12
Notify single computer	13

Introduction

The main objective of Document Output Handling in XT is to give users access to documents created by the back-end ERP system. Examples of such documents are PDF files created by your printing solution, CSV files and files to be sent to the bank.

The idea is that the documents are stored in a location that both the ERP application and XT UI can access easily, such as IBMi IFS (Integrated File System).

This document guides you to set up, activate and use the Document output view function in XT.

Note: XT Document Output preview function is only available from XT 4.3 onwards.

Setup and Configuration for Document Output function

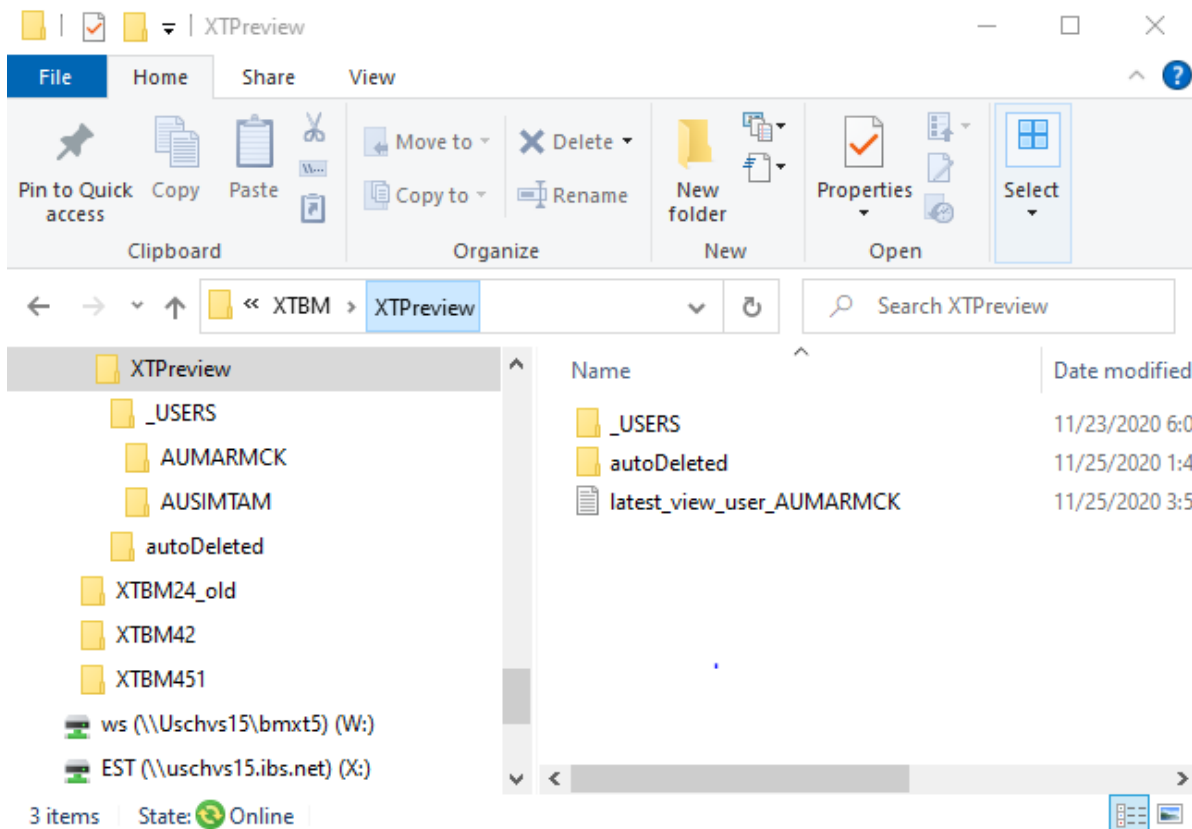
This section describes the setup and configuration you must follow to set up XT Preview of IP1 documents.

Structure of the document output folder

There is a particular structure for the Document output folder. In IP1 files are stored under Users subfolder only.
Example:

\\XTBM\XTPreview_USERS\userId\myDoc.pdf

Path segment	Description
XTPreview\	rootFolder
_USERS	Fixed folder name
userId	Backend application user



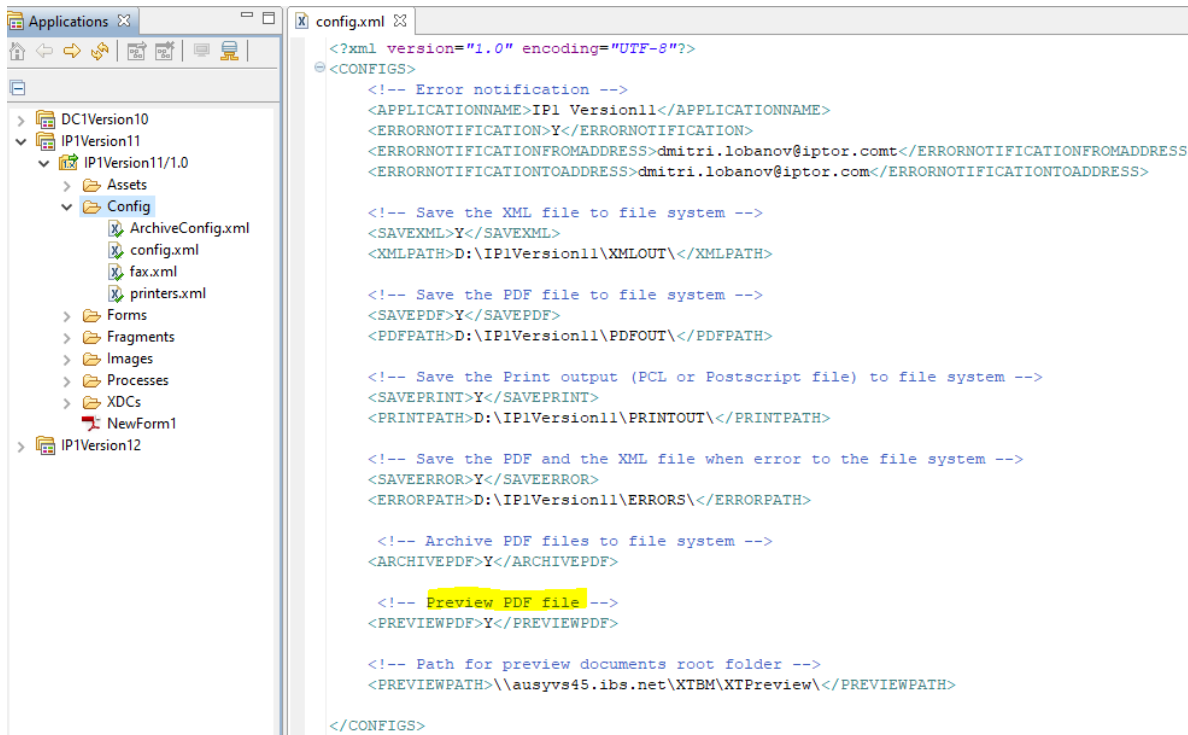
Archiving auto-deleted files

If a root-sub-folder named 'autoDeleted' exists automatically deleted files will be archived in this folder.

AEM Workbench Config.xml

The config.xml has a parameter to activate preview of documents, <PREVIEWPDF>Y</PREVIEWPDF>, if set to Y the IP1 application will call a sub process, Preview, to save the pdf files to the network folder where the XT Client is monitoring documents.

The parameter <PREVIEWPATH> must also be set to point to the relevant Document output folder path.



IP1 Document exchange setup

Document exchange on the AS400 must be setup with the XT server and the Document output folder path.

Document Exchange Maintenance XAM160

XAM160 > Document Exchange

Function	XT	
Group	*****	1=Create
Server code	SYX	\\ausyvs45\XTBM
Relative path	\XTPreview_USERS*USER	
Archive path		<input type="checkbox"/>
Log path		<input type="checkbox"/>
File		
Connection ID		1=Test
FTP server IP	10.230.9.45	
IFS path	/tmp	<input type="checkbox"/>
Network path	\\ausyvs45\XTBM\XTPreview_USERS*USER	
System path	\\ausyvs45\XTBM\TEMPLATE\BKM79	
Please test IFS path first. You should see file		XAUMARMCK980813.txt

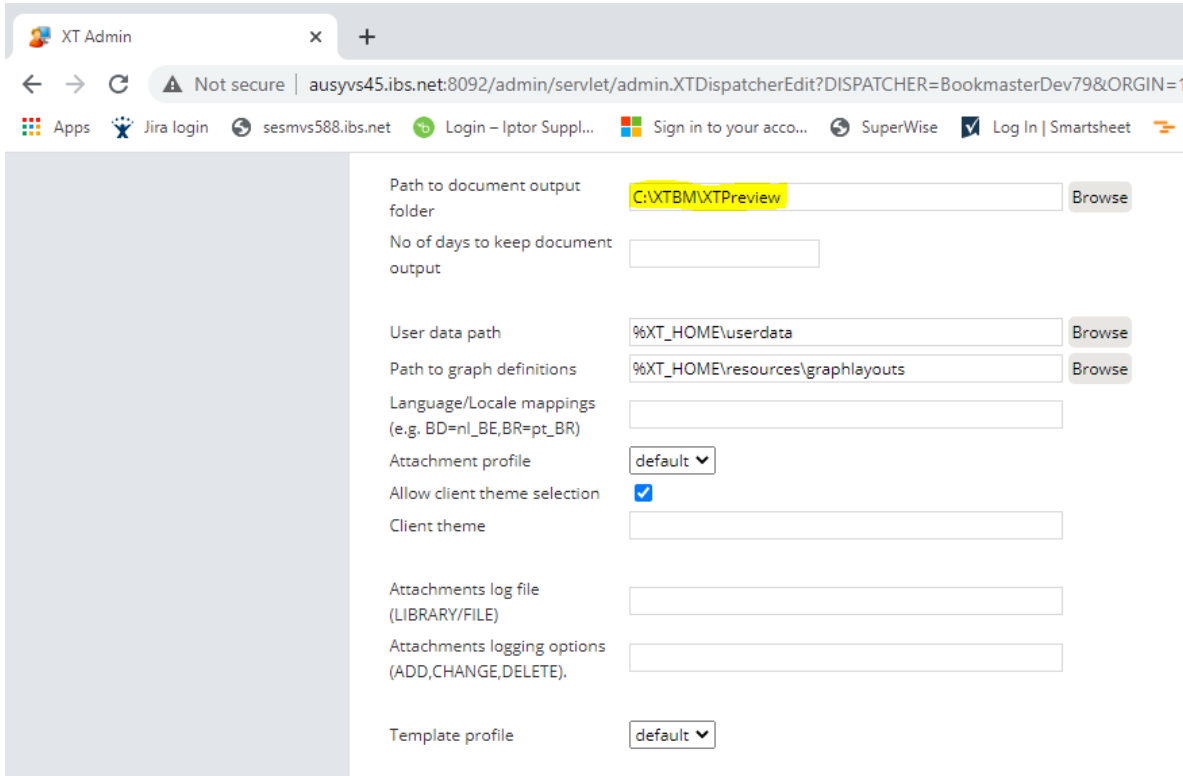
Prerequisite: Java agent must be installed on your PC/Laptop

XT Dispatcher configuration

Configuring document output location

In the XT dispatcher configuration setting, there is a setting for the Document output location and the number of days to retain document output preview. You need to only nominate pathname down to the root level, example ..\XTBM\XTPreview

Start XT Admin, click 'configure' on the dispatcher configuration and enter the path to the document output folder.



Configuring auto-deletion of old documents

You can configure the document output function in order to delete old files automatically by entering the number of days to keep documents.

Example:

'No of days to keep document output' = 5.

The next time you use the 'Display document output' function all files older than 5 days will be deleted. Depending on the document output folder structure deleted files will be archived.

Note! If 'No of days to keep document output' is blank no files will be deleted automatically.


Activating the Document Output function

The XT Client Document Output function is activated by adding the following menu option to the XT System menu in IP1 and granting access to this option for the relevant users.

Option Description: **DocumentOutputView**

Command string:

**CMD=DocumentOutput IMAGE=Mnuopt_doc_output VIEW=DocumentOutputView
toolbar=true**

Master Menu Maintenance 

MNO20 > Menu File Maintenance


Sequence Option No Text

Next Menu Highlight Hold


Sequence	Command
1.0	/* XT DOCUMENTOUTPUT */
2.0	/* CMD=DocumentOutput IMAGE=Mnuopt_doc_output VIEW=DocumentOutputView toolbar=true
3.0	
4.0	
5.0	
6.0	
7.0	
8.0	
9.0	
10.0	
11.0	
12.0	
13.0	
14.0	
15.0	
16.0	
17.0	
18.0	

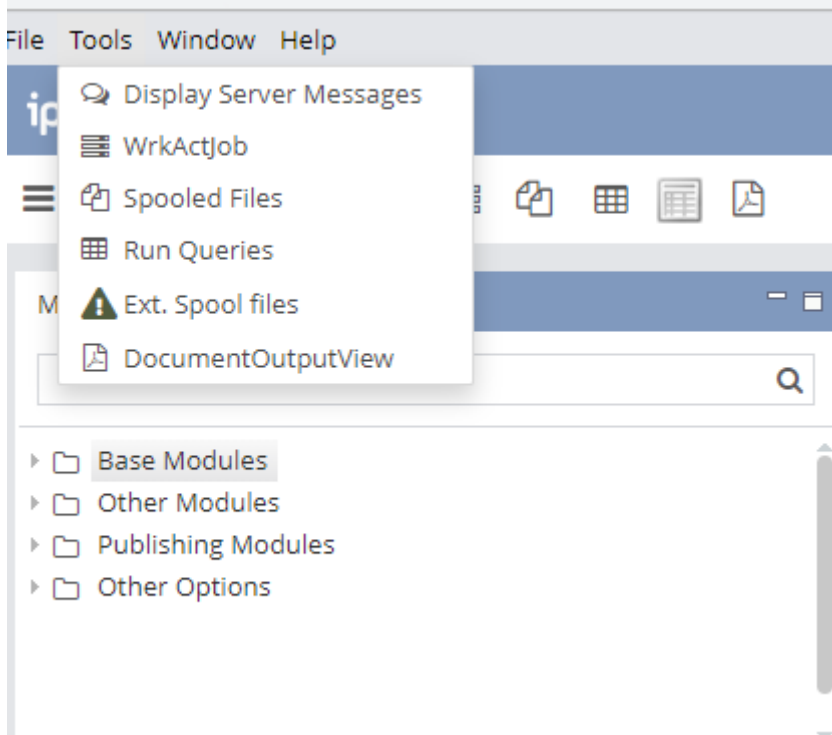
OK Cancel Exit

Refresh the XT menu structure

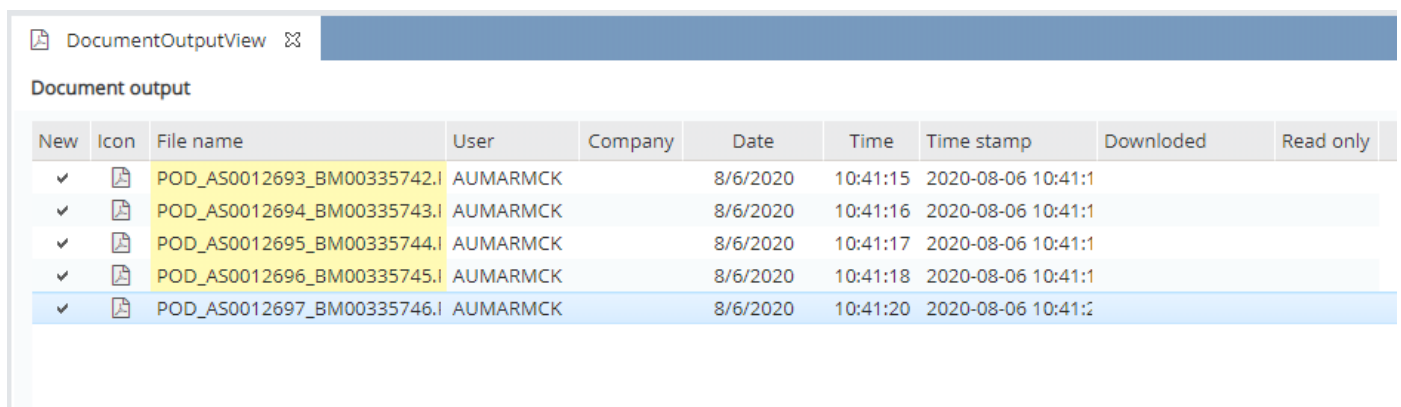
Start XT session and take option to refresh menu structure to make XT Document Output preview visible in XT. The icon  for XT Document output should now be available in XT application.

Using Document Output Function






If the function is activated, in XT you can start it from the icon  on the client's toolbar or alternatively from menu option **Tools\DocumentOutputView**.



The window shows the contents of the document output folder. The back-end ERP application can store files on system, at user level. You have full access to your own documents.

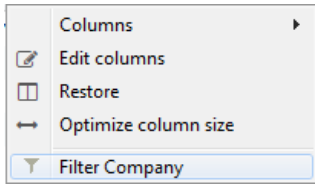


The screenshot shows the 'DocumentOutputView' window with a table titled 'Document output'. The table has columns for 'New', 'Icon', 'File name', 'User', 'Company', 'Date', 'Time', 'Time stamp', 'Downloaded', and 'Read only'. The first five rows are highlighted in yellow, indicating they are new documents. The last row is highlighted in blue, indicating it is the latest document.

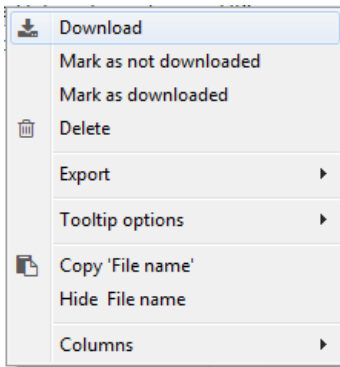
New	Icon	File name	User	Company	Date	Time	Time stamp	Downloaded	Read only
✓		POD_AS0012693_BM00335742.I	AUMARMCK		8/6/2020	10:41:15	2020-08-06 10:41:1		
✓		POD_AS0012694_BM00335743.I	AUMARMCK		8/6/2020	10:41:16	2020-08-06 10:41:1		
✓		POD_AS0012695_BM00335744.I	AUMARMCK		8/6/2020	10:41:17	2020-08-06 10:41:1		
✓		POD_AS0012696_BM00335745.I	AUMARMCK		8/6/2020	10:41:18	2020-08-06 10:41:1		
✓		POD_AS0012697_BM00335746.I	AUMARMCK		8/6/2020	10:41:20	2020-08-06 10:41:2		

Documents that have been added/changed since your latest use of this function are marked in the “New” column.

Tip: You can use the Time stamp column to toggle between the newest and latest files. You also can use the table filter function to select documents. You can access the filter function by right-clicking on one of the tables column headers.



Right-clicking on one of the documents will display the following pop-up menu.

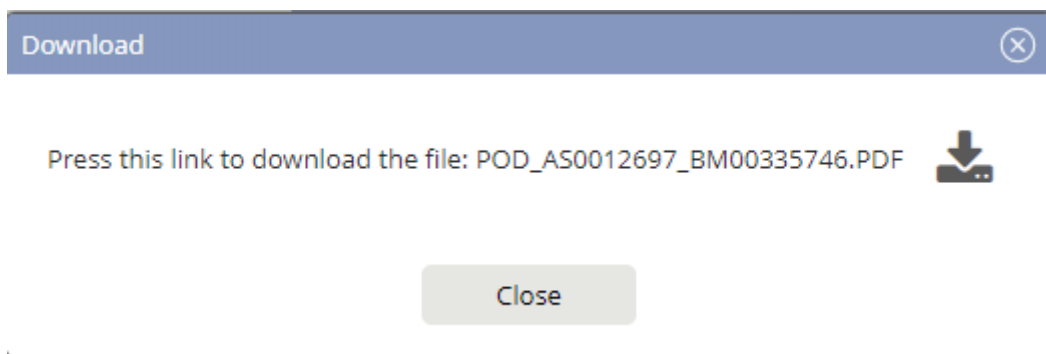


Available options

The **Download** option shows the following dialogue:








Click OK to download.



You also have the choice to launch the file after download.

Document output

New	Icon	File name	User	Company	Date	Time	Time stamp	Downloaded
		POD_AS0012693_BM00335742.I	AUMARMCK		8/6/2020	10:41:15	2020-08-06 10:41:1	
		POD_AS0012694_BM00335743.I	AUMARMCK		8/6/2020	10:41:16	2020-08-06 10:41:1	
		POD_AS0012695_BM00335744.I	AUMARMCK		8/6/2020	10:41:17	2020-08-06 10:41:1	
		POD_AS0012696_BM00335745.I	AUMARMCK		8/6/2020	10:41:18	2020-08-06 10:41:1	
		POD_AS0012697_BM00335746.I	AUMARMCK		8/6/2020	10:41:20	2020-08-06 10:41:2	2020-08-06 10:52:0

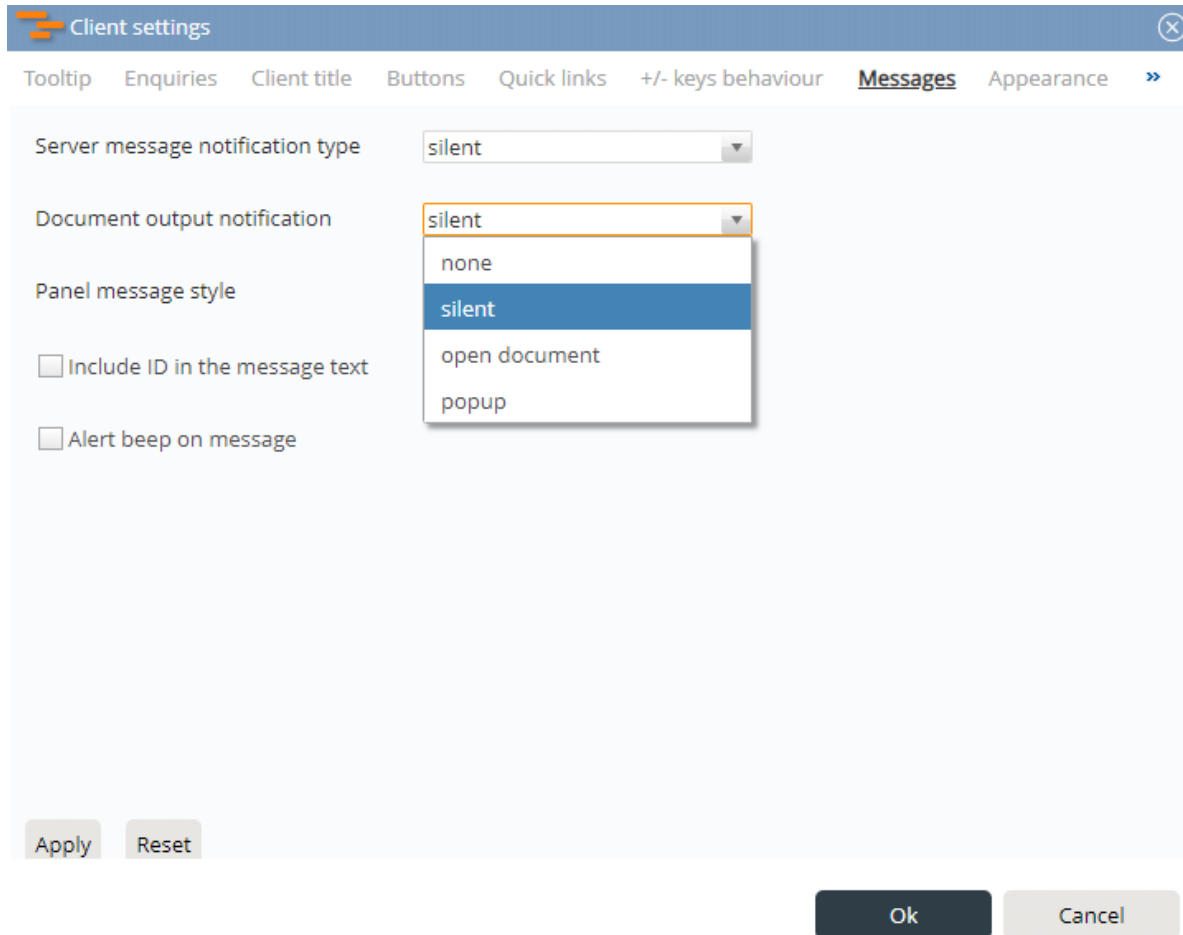
Downloaded documents are marked with green background colour. You can remove the mark by selecting option named **'Mark as not downloaded'**. Downloaded documents will also get a timestamp in column named 'Downloaded'.

You can mark the documents as downloaded by selecting option named **'Mark as downloaded'**.

Select option **'Delete'** if you want to remove a file from the document output folder.

Document Output Notification

Document output handling includes a notification feature that can be setup to receive notification after the contents of the document output folder has changed. The notification type can be selected in the XT Client settings. You can choose between options **none**, **silent**, **open document** and **popup**.



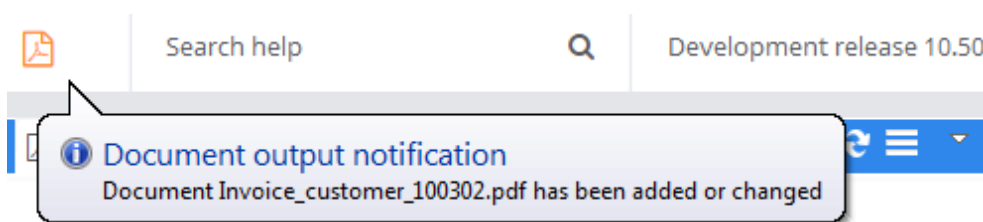
Depending on selected option the following happens if documents are added or changed:

None

No notification.

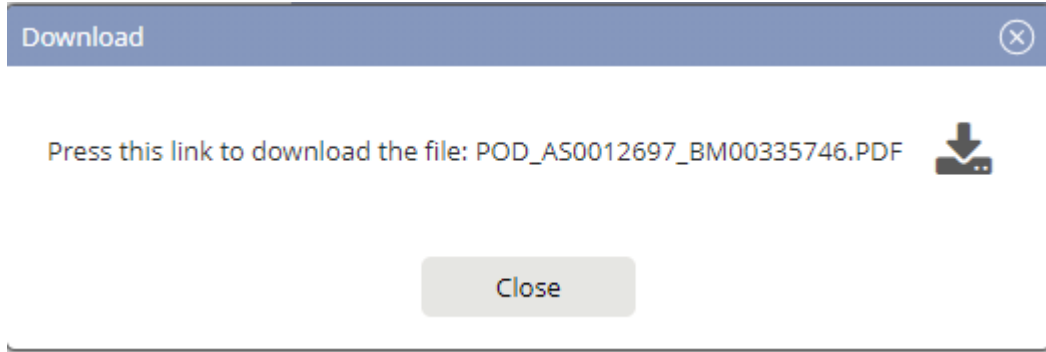
Silent

The toolbar icon of the Document output function changes to alert style and a tooltip message is shown.



Open document






A link to download and open the new or changed document appears.



Popup

The Document output view function showing the new/changed document(s) is launched.

Document output

New	Icon	File name	User	Company	Date	Time	Time stamp	Downloaded	Read only
✓		POD_AS0012693_BM00337298.I	AUMARMCK		8/21/2020	12:07:58	2020-08-21 12:07:58		
✓		POD_AS0012694_BM00337299.I	AUMARMCK		8/21/2020	12:07:59	2020-08-21 12:07:59		
		POD_AS0012695_BM00335744.I	AUMARMCK		8/6/2020	10:41:17	2020-08-06 10:41:17		
		POD_AS0012696_BM00335745.I	AUMARMCK		8/6/2020	10:41:18	2020-08-06 10:41:18		
		POD_AS0012697_BM00335746.I	AUMARMCK		8/6/2020	10:41:20	2020-08-06 10:41:20	2020-08-06 10:52:00	

Notify single computer

If the same user is logged on to several XT Clients running on different computers at the same time, all client instances will get notified if a document is added to the folder structure. It is possible to limit notification to a single computer by including the computer's IP address in the file name.

Example:

The name of the file is **Invoice.pdf** and the IP address of the computer to be notified is **111.222.3.444**.

After embedding the IP address the file name should be **Invoice_IP=111.222.3.444.pdf**.

If a file with above name is added to the document output folder structure, only the XT Client running on the computer with IP address 111.222.3.444 will receive notification. Please note, constant '**IP=**' must be included in the file name in front of the IP address.

Important!

Before embedding an IP address you should scan for characters that are not supported in file names and replace these by underscores ('_'). Long IP addresses, (IPv6 standard), can contain such characters.

The following symbols are not allowed in file names: '\', '/', ':', '*', '?', '"', '<', '>', '|'.

E.g. IP address **fe80:2d11:8d06:e15:c8a0%12**, which contains colon symbols (':') must be changed to **fe80_2d11_8d06_e15_c8a0%12**.