# IBM® Tivoli® Software

Maximo Asset Management

Version 75 Report Application Toolbar Access

BrowserView, Direct Print and Direct Print with Attachments

Revision 7

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# **REVISION HISTORY**

Date	Version	Revised By	Comments
April 2015	7	PD	Updated include (1) JRE and Adobe support - reference Maximo Supported Matrix for latest version support on page 15 (2) Diagram updates and (3) Reference Material Updates
April 2014	6	PD	Added note on Assignment Manager use of Duplex printing on page30
January 2014	5	PD	Updated formatting. Added note 5 on page 23 on url requirements of attachments
October 2012	4	PD	Added note on page 13 that if Microsoft documents are attached to the record for printing, the client machines must have Microsoft Office installed on their local machines. Microsoft Office documents will not print properly when only Microsoft Viewer is installed.
July 2012	3	PD	Updates for 7503 Release including (1) Property Settings Updates, including more details on mxe.doclink.securedAttachment and mxe.directprint.printtime.wait (2) Addition of new property setting mxe.report.birt.PrintSeparateRecord on pages 25 and 30
April 2012	2	PD	Updates including (1) Adding information on property setting mxe.directprint.printtime.waitinminutes (2) More information on attachment types on page 21
January 2012	1	PD	Updates include (1) Adding information on related property setting mxe.doclink.securedAttachment on page 24
May 2011		PD	Initial Release

## 1 Overview

Your users may require their most frequently executed reports to be easily accessible. This means that these reports must be accessed from within an application with a minimum number of clicks, and in certain scenarios be directly printed to the user's default printer. This functionality is available with the embedded reporting tool.

Historically, this functionality has often been called Quick Link, Direct Print or Attach Docs Printing. This functionality is commonly referred to as Report Toolbar access, and is highly configurable and flexible. Its overall functionality is to enable users to print or view their reports with a minimal number of clicks.

Report toolbar access can be configured in three different ways. These are Browser View, Direct Print and Direct Print with Attachments. A single report can be configured for any one of these, or any combination of these options.

This document will describe each of these three items in detail, including the prerequisites for the reports that utilize them. This document refers to the Maximo® Base Services Version 7.5 Releases.\*

Please note that none of the three toolbar access icons can be enabled for reports with specific user inputted parameters, known as parameterized reports. This occurs because the functionality is based on bypassing the request page for quick display of the reports. If reports have parameters, they must be input on a report's request page – therefore, they can not be enabled for Browser View, Direct Print or Direct Print with Attachments.

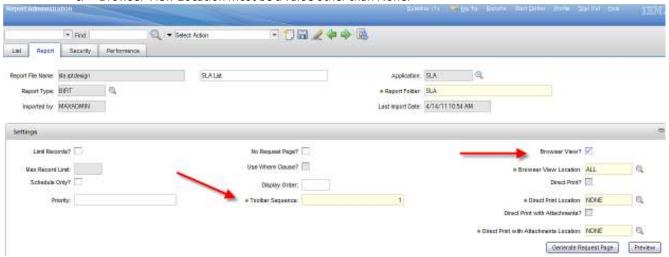
## 1.1 Browser View (BV)

BV enables a report to automatically display in the separate report browser via one click from the toolbar. Once the report opens, the user can choose any actions from the reporting toolbar, including navigating thru its contents, printing, and downloading.

The example below shows the BV Functionality using SLA List.

First, the report record must be configured for this functionality by having the following defined in its reports.xml file, which is visible from the Report Administration application.

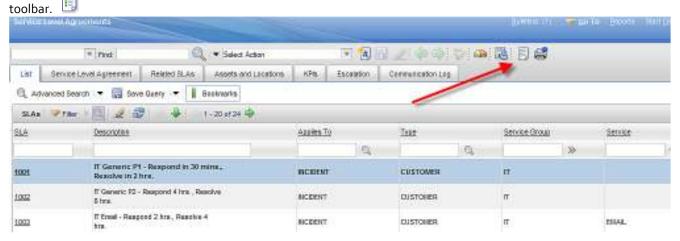
- 1. The report can not have any parameters.
- 2. The following toolbar settings must be enabled:
  - a. Toolbar Sequence is defined
  - b. Browser View?
  - c. Browser View Location must be a value other than None.



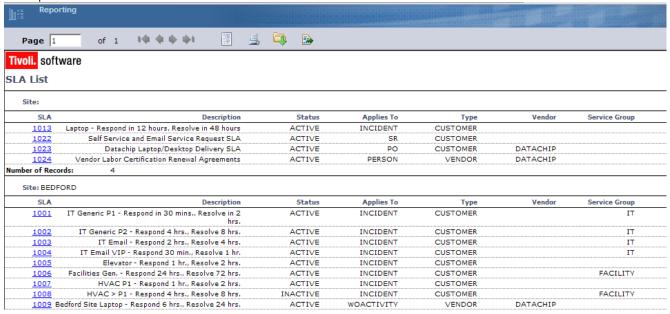
#### \*Note:

1. Details on each of the highlighted fields is contained in the Application Toolbar Configuration Details Section below.

Then, when you access the Service Level Agreements application, you can click on the BV Icon in the



The Selected Record set is passed directly to the report server, and the configured SLA List report appears in a separate browser session.



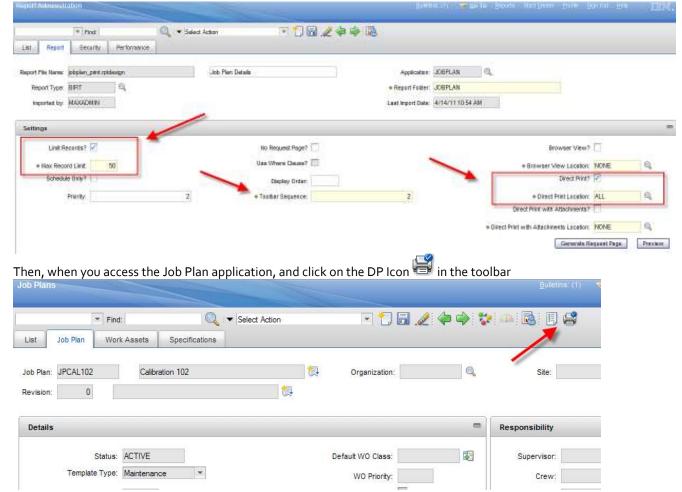
### 1.2 Direct Print (DP)

DP enables you to automatically print a report to your default printer via one click action on the icon. The report browser does not open – only a temporary window displays during the printing process which closes when the print operation is complete.

The Direct Print functionality can be explained using the Job Plan Details report.

First, the report record must be configured for this functionality by having the following defined in its reports.xml file, which is visible from the Report Administration application.

- 1. The report can not have any parameters.
- 2. The following toolbar settings must be enabled:
  - a. The Limit Records? field is enabled
  - b. Max Record Limit is defined
  - c. Toolbar Sequence is defined
  - d. Direct Print? Is enabled
  - e. Direct Print Location must be a value other than None.



The report will automatically print to your default printer. A temporary window will display while the printing occurs, and it will automatically close down once the printing process is complete.



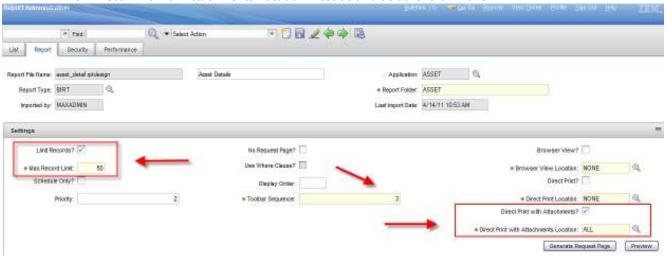
## 1.3 Direct Print with Attachments (DPA)

DPA enables a report to automatically print to your default printer via the icon in the toolbar, along with any printable attachments it may have. The report browser does not open. A temporary window displays during the printing process which closes when the print operation is complete, along with a window asking you to confirm if you wants to print the attached documents.

The Direct Print with Attachments functionality can be explained using the Asset Details report.

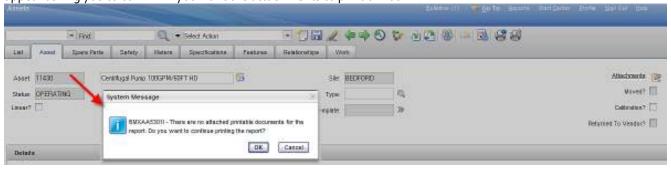
First, the report record must be configured for this functionality by having the following defined in its reports.xml file, which is visible from the Report Administration application. The DPA settings are very similar to the DP settings.

- 1. The report can not have any parameters.
- 2. The following toolbar settings must be enabled:
  - a. The Limit Records? field is enabled
  - b. Max Record Limit is defined
  - c. Toolbar Sequence is defined
  - d. Direct Print with Attachments? Is enabled
  - e. Direct Print with Attachments Location must be a value other than None.



Then, when you access the Asset application, and selects a record with attachments, you can click on the DPA Icon in the toolbar to print the report and its attachments.

The attached docs will be reviewed to see if any are printable and depending on the results, a window will appear asking you to confirm if you want the attachments to print or not.



After you select OK or Cancel, the report and the attachments will automatically print to your default printer. A temporary window will display while the printing occurs, and it will automatically close down once the printing process is complete.

## 1.4 Application Toolbar Configuration Details

The chart below summarizes the three different application toolbar report types, along with their required configuration settings.

	BV	DP	DPA
Stands for	Browser View	Direct Print	Direct Print with Attachments
Definition	A report that is accessible from an icon in the Application's Toolbar. The report immediately opens in the Report Browser.	A report that is accessible from an icon in the Application's Toolbar. The report is converted to Adobe and prints automatically to the user's default printer set in his browser	A report that can be directly printed via an icon from the Application's toolbar AND is enabled for printing of any Attached Documents that may be associated with its records.
Enabled for	BIRT Reports – with no User	BIRT Reports – with no User	BIRT Reports – with no User Inputted
	Inputted Parameters	Inputted Parameters	Parameters
lcon		<b>\( \begin{align*} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\</b>	
Icon File Name	nav_icon_overview.gif	nav_icon_printtodefault.gif	nav_icon_printwithattachments.gif
Fields that must	Browser View?	Direct Print?	Direct Print with Attachments?
be enabled	BV Location	DP Location	DPA Location
	Toolbar Sequence	Toolbar Sequence	Toolbar Sequence
		Limit Flag	Limit Flag
		Max Record Limit	Max Record Limit
Corresponding	REPORT.QL	REPORT.DP	REPORT.PAD
Database Fields	REPORT.QLLOC	REPORT.DPLOC	REPORT.PADLOC
	REPORT.TOOLBARSEQUENCE	REPORT.TOOLBARSEQUENCE	REPORT.TOOLBARSEQUENCE
		REPORT.DETAIL	REPORT.DETAIL
		REPORT.RECORDLIMIT	REPORT.RECORDLIMIT

How a report icon displays within the application's toolbar is defined by:

- A. Type of Report Toolbar Access (BV, DP or DPA)
- B. Application Tab Location (What Tabs in the application will the icons display)
- C. Sequence (Order of Report's Icon in relation to other Reports)

These settings are typically defined in a report's specification so the developer can set them in the reports.xml file. The reports.xml file is used to import the report design into the database, and if the values for type of toolbar access etc are defined, they will be automatically updated in the database.

If the values are not defined in the reports.xml file, the administrator can set them at a later time in the Report Administration application. However, during future imports or fix pack updates, the report administration settings will be over-ridden with the values from the reports.xml file. (For more details on configuring a reports.xml file, reference the Maximo 75 Report Development Guide referenced at the end of this guide.)

## 1.4.1 Application Toolbar Configuration Field Details

Additional details on the application toolbar fields are described below.

#### 1. Type of Report Toolbar Access

There are three types of Report Toolbar Access, which are YORN fields, and have a default of No:

Browser View of Report? (REPORT.QL)

Direct Print? (REPORT.DP)

Direct Print with Attachments? (REPORT.PAD)

#### 2. Application Location

There are three Location Fields for the Application Toolbar Access which are:

Browser View Location (REPORT.QLLOC)

Direct Print Location (REPORT.DPLOC)

Direct Print with Attachments Location (REPORT.PADLOC)

These fields determine what tabs in the application the icon will display. The available choices are:

ALL: Displays Report Icon on all toolbars in the selected application

LIST: Only Displays Report Icon on List Tab of selected application

MAIN: Displays Report Icon on all toolbars in selected app, except List tab

NONE: Does not display Report Icon in selected application.

The default value is NONE. You must select either ALL, LIST, or MAIN for the report icon to display in the application.

#### 3. Toolbar Sequence

This identifies the order of the report in relation to other reports for that application that have toolbar sequences enabled. This value must be defined if the report icon is to be displayed in the application toolbar.

#### Notes:

A. No validation is performed on the sequence order (ex. You can set reports to have toolbar sequences of 1, 2 and 4 – skipping 3). However, sequence numbers must be unique within an application.

For example, Asset List and Asset Details are both located in the Asset application. Both Asset List and Asset Details can not have the same toolbar sequence of 1. They must have unique values because they are located in the same application.

- B. A report can have any combination of BV, DP and DPA enabled meaning it can use all 3 or none at all.
- C. The order of the icons within a report is ALWAYS BV, DP and DPA. So, if a report is enabled for all these values, it will always display the icons in this order.

Ex: You enable the Asset Detail report for BV and DP. Within the Asset application, the Asset Detail BV Icon will be displayed first, and the DP icon will be displayed second.

### 1.4.2 Application Toolbar Display Examples

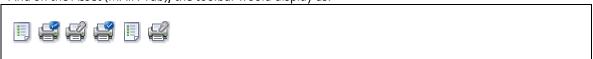
Additional examples are given below to detail how this functionality can be configured. In this first example, you have multiple reports that you want to access from the Toolbar in the Asset application. A synopsis of what you want to display is below:

, ,	Toolbar Sequence	BV 🗐	DP 🚟	DPA 🚭
Asset Report 1	1	Yes. ALL.	DI	DIA =
Asset Report 2	4	Yes. ALL.		Yes. MAIN.
Asset Report 3	3		Yes. ALL.	
Asset Report 4	2		Yes. ALL.	Yes. MAIN

Based on these settings, the Asset List Tab toolbar would display the report icon values as

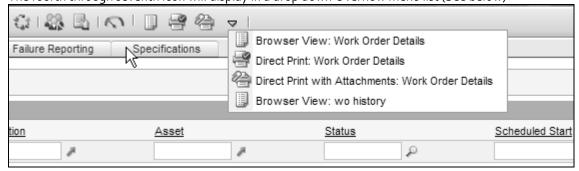


And on the Asset (MAIN Tab), the toolbar would display as:



To distinguish each different report, the user can mouse over the icon and to view the functionality and report's description. Example: For Asset Report 1, when you scroll over the , this text will display: Browser View: Asset Report 1

There are no limits to the number of reports that can be enabled for this functionality. By default, only three report icons display on an application's toolbar. If there are more than three icons, an overflow menu is used. For example, if seven report icons are defined for an application, only the first three icons display. The fourth through seventh icon will display in a drop down Overflow menu list (See below)



You can configure this setting by modifying the dynamic toolbar button settings in <V75>\resources\presentations\system\library.xml.

The specific line to be modified is:

<dynamictoolbar id="reportbuttons" mboname="quickprint" align="left" keyattribute="reportnum"
mxevent="RUNAREPORT" visibleicons="3"/>

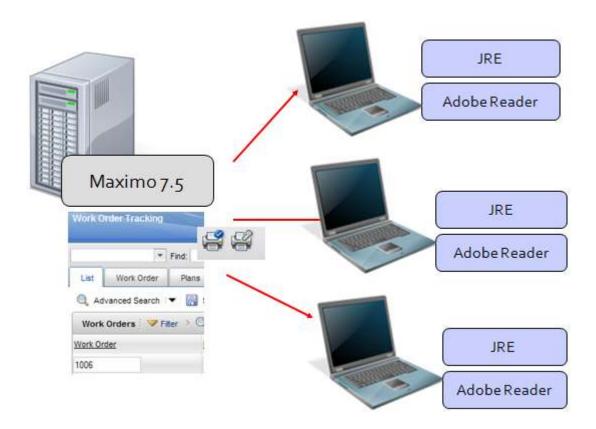
## 2 Direct Print and Direct Print with Attachment Architecture

## 2.1 Client Machine Prerequisites

To enable printing of the report and any attachments associated to the report, two main components are utilized. The first is a printing module within the Maximo Server, and the second being the client machine components of Adobe Reader and a JRE. Any client machine that perform Direct Printing or Direct Printing with attachments, must have JRE and Adobe Reader located on the individual machine. \*

Adobe Reader on the client machine is used for printing the report and any pdf attachments. The client JRE is required to print other attachments, including jpg and gif files, as well as to provide browser resources for the printing module. For the latest recommended JRE and Adobe versions, reference the Maximo Supported Product Matrix noted at the end of this guide..

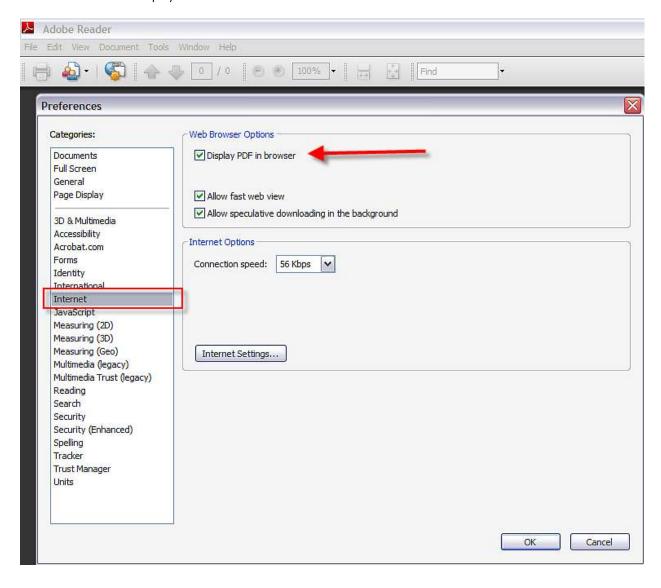
\*Note: If you are going to print Microsoft attachments (for example, xls or doc files), the client machine must also have Microsoft Office installed. Microsoft attachments will not print when only Microsoft Viewer is installed. If you are not printing Microsoft attachments, then Microsoft Office is not required.



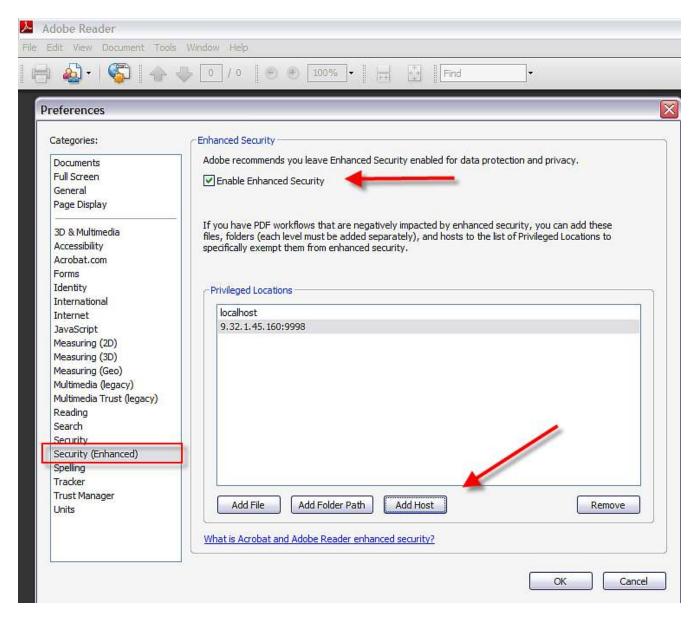
## 2.2 Adobe Reader Recommended Settings

To minimize the number of windows displaying to your users during the DP and DPA process, enable the following settings within their client version of Adobe Reader.

1. From the Adobe Reader menu, select Edit-Preferences. Select the Internet Category on the left hand side. Enable the field 'Display PDF in browser' as shown below.

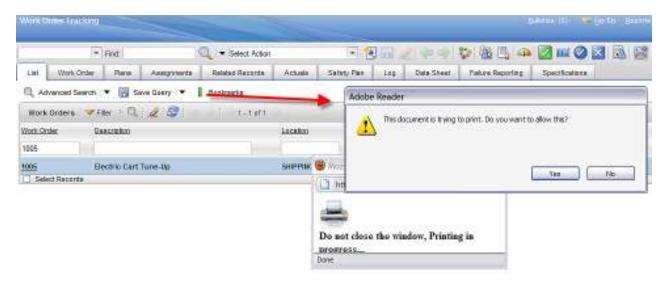


2. For Adobe Reader 9, from the Adobe Reader menu, select Edit-Preferences. Select the Security (Enhanced) Category on the left hand side. Enable the field 'Enable Enhanced Security' and add the host name(s) of the Maximo servers as shown below.



#### Note:

If you do not enable the 'Enable Enhanced Security" setting, or you use a version of Adobe lower than version 9, you will receive the dialog below from Adobe Reader each time you use the DP or DPA functionality.



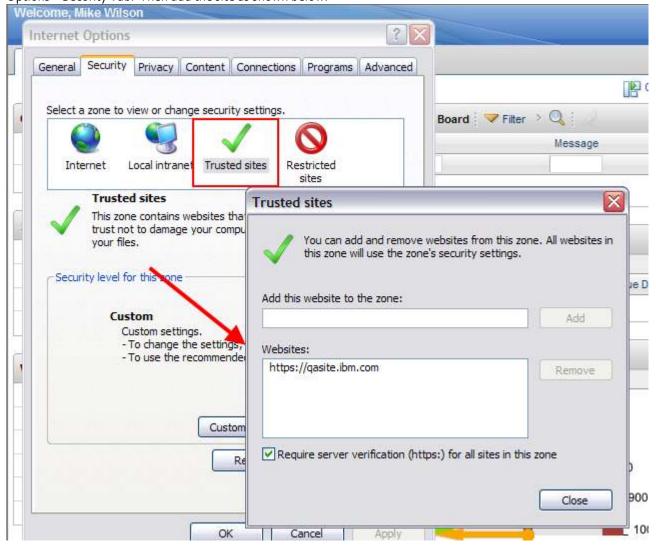
Additionally, if you click No on this dialog, the browser report window will not automatically close.

## 2.3 Internet Explorer Recommended Settings

Active X Controls are used in Direct Printing with attachments to enable Microsoft Office Attached Documents for printing. Active X Controls are only enabled within an IE browser, as Firefox does not enable Active X Controls.

Therefore, if you are using IE, and you want to print Microsoft Office Documents, you need to insure the following settings below are enabled.

1. First, add the Maximo Site as a trusted site. To do this, from the IE Browser, select Tools – Internet Options – Security Tab. Then add the site as shown below.



2. Then, for the trusted site, click on the Custom Level Tab, and enable the value shown below. Save the settings and close.



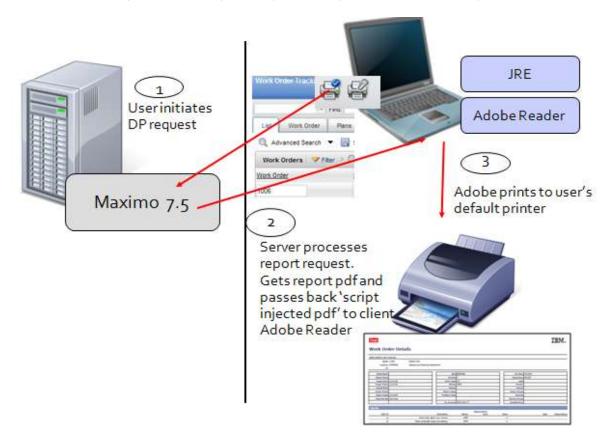
#### **Direct Printing Process** 2.4

The diagram below depicts the direct printing process at a top level. Starting on the left hand side of the diagram -

1. The user initiates the Direct Printing process by clicking on the DP icon from the application toolbar.



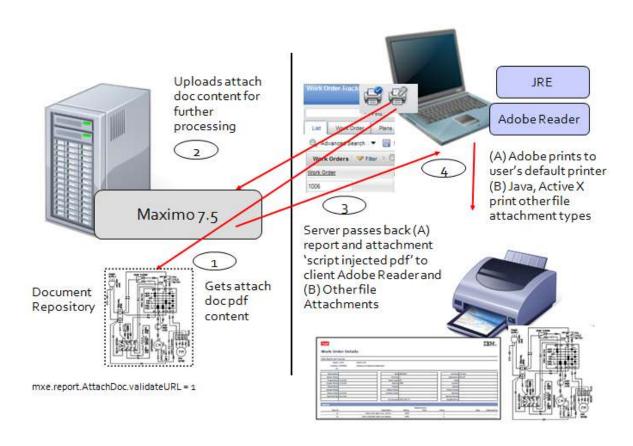
- 2. The action initiates a request to process the report on the server, convert it to pdf format, and then passes a 'script injected' pdf file to the client's Adobe Reader software.
- 3. Adobe Reader then processes the request and prints the report to the user's default printer.



## 2.5 Direct Printing with Attachments Process

The diagram below depicts the direct printing with attachments process at a top level. Starting on the left hand side of the diagram –

- 1. The user initiates the Direct Printing process by clicking on the DPA icon from the application toolbar. This triggers an action to first retrieve any attached pdf documents.
- 2. The process then retrieves any other attached documents (for example, those with file types .jpg, gif, or Microsoft Office types, like .doc or xls)
- 3. The report is executed and incorporated with any other pdf attached documents as a script injected pdf. This is passed to the client machine.
- 4. The client's Adobe Reader prints the pdf attachments. The other attached document file types are also passed, and printed either via Active X Controls or Java.



#### 2.6 Additional Information - Direct Print with Attachments

- 1. The report and any of its attached documents are printed using the following tools below.
  - A. PDF documents are printed using the client's Adobe Reader Software
  - B. Images and Text Files (.gif, .jpg, .txt, .csv) are printed using standard Java Print Functionality
  - C. Microsoft ® files (.doc(x), .xls(x), .ppt(x)) are printed using ActiveX controls.
- 2. The type of browser you are using impacts the DP and DPA functionality as noted here:
  - A. For Firefox browsers, any attached Microsoft ® documents will not print via the DPA functionality. This occurs because Firefox does not support ActiveX controls.

Printing of Microsoft documents via DPA is only enabled thru an Internet Explorer browser.

- 3. You may not want to use Active X Controls. Therefore, you have the option to disable them through a property setting called, mxe.activex.
  - The default value for this property is Yes.
  - o If you change the default value to No, your users will be unable to print any attached Microsoft Office documents with reports within an IE browser.
- 4. DPA supports the following Attached Document types: .pdf, csv, txt, gif, jpg, ppt(x), doc(x), xls(x)
   A. If you try to print an Attached Document type that is not included above, you will receive a message on what is and is not printable.

Example: Three attachments are made to a record: 1.gif, 1.doc and 1.cad. If you click on the DPA icon, you will receive a message

'2 of the 3 Attached Documents are Printable. Click OK to proceed, Cancel to End'

- 5. In order for an attachment to print correctly, the url of the attachment must end with its file extension. For example a pdf attachment url should end with .pdf as shown here. http://aaa.com:7134/bbb/ccc/ddd.pdf
- 6. Most browsers have popup blocking enabled. You have to disable this for the Maximo server URL requests via the popup configuration of the browser. Failing to do so will cause the print job window not to be activated and therefore cannot print.
- 7. Applet Certification

DP and DPA Functionality require the use of applets within its code. To enable one click printing, the applet jar files require security approval, and have to be certified.

The applet jar files delivered 'Out of the Box are certified versions. These jar files are located in <V75> applications\maximo\maximo\inveb\webmodule\webclient\utility\quickprint

If the applet files were not certified, a confirmation message will display to the user each time he accesses the reports via DP or DPA.

8. If a user schedules/emails a report that has Attached Docs, the Attached Docs will NOT be enabled in the scheduled/emailed report.

## Trouble Shooting – General Tips

- 1. If only a portion of the report prints out, confirm that the Java Plugin (JRE) is installed on the client machine.
- 2. If DPA is used and no attachments are being printed, first verify the attached documents are functioning. To do this, click on the attachments within the application to see if the files are accessible.
- 3. DP and DPA rely on a combination of the server print functionality and the client's Adobe Reader software to perform the printing. Because of this, if any errors are encountered, the errors will be printed out with the print request. An example of this is shown below.

Your immediate report print request cannot be processed at this time. Please contact your system administrator for additional details.

BMXAA5480E – The report prprint rptdesign of the PR application failed to run

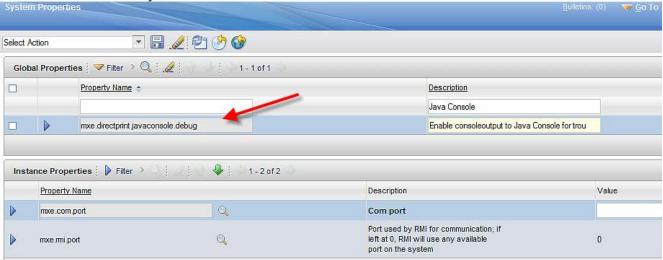
BMXAA5476E – The report prprint rptdesign could not be prepared to run.

Syntax error found, and see error details.

4. If you need more detailed debug information, especially to track the urls used for print requests, update the Java Console Debug setting from false to true as shown below. (Property setting is mxe.directprint.javaconsole.debug)

After you change this value to true, save and apply the changes, the next DP/DPA job will contain more

detailed information in the java console.

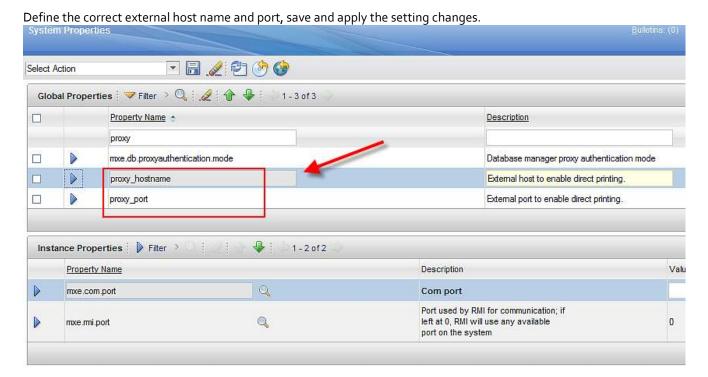


5. In some cases direct printing encounters problems when the installation has multiple layers like proxy servers, load balances and clustering. When printing fails, open the java console. If you see an error similar to what is shown below ...

java.security.AccessControlException: access denied (java.net.SocketPermission 127.0.0.1:16135 connect, resolve) at java.security.AccessControlContext.checkPermission(Unknown Source) at java.security.AccessController.checkPermission(Unknown Source)

The problem may be due to the direct print operation, which is trying to use the internal host/port rather than the external host/port used by the client from the browser. In this case, you need to set the correct values in the System Properties Application.

To do this, sign into Maximo as the administrator. Access the System Properties application, and filter on a property name value of proxy.



# 3 Key Property Settings for DP, DPA Functionality

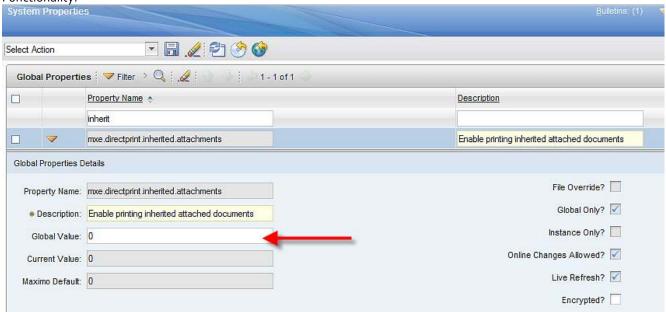
This section details the key property settings related to the DP and DPA functionality.

Property Setting	Description	Default Value
mxe.activex	Determines if ActiveX Controls can be used for DP, DPA Functionality	Yes
mxe.directprint.inherited.attachment	Defines if inherited docs should be enabled for printing with Direct Print with Attachments Functionality.	No
	For example: Attachments were made to Job Plan 1000. Work Order 5000 was created using Job Plan 1000.	
	If you want the attachments made on Job Plan 1000 to be enabled for printing with Work Order 5000, this value should be set to Yes.	
	If you <i>do not want</i> the attachments made on Job Plan 1000 to be enabled for printing with Work Order 5000, this value should be set to No.	
mxe.doclink.defaultPrintDocWithReport  Default value of printing attached document with report if printable type.		Yes
mxe.report.AttachDoc.validateURL	Property to determine if you wish to validate the URL of an attached doc before printing from the Maximo Server.	Yes
mxe.directprint.javaconsole.debug	Enable output to Java Console for troubleshooting of Direct Print, Direct Print with Attachments	No
mxe.directprint.printtime.wait	Maximum duration in seconds the current print process waits before moving to the next process.  Notes: 1. This setting is applicable only to reports, and any PDF Attachments. 2. Prior to Maximo 7.5.0.3 release, this value must be set via the Database, not the System Property Application	600
mxe.report.birt.PrintSeparateRecord	Enables printing of each record separately when no attachments are in the record set.	No
Other Related Property Settings		
mxe.doclink.securedAttachment	Identifies if the attachment is secured or not.	False
	*See section below for important information if you are enabling this setting, and using Microsoft Office attachments for the specific version you are using	

The section below details and highlights a subset of these property settings, and how they interact in the DP and DPA processes.

## 3.1 Property Setting: mxe.directprint.inherited.attachment

The Inherit Attachments Property setting enables you to configure the inherited print setting. This setting determines if inherited documents should be enabled for printing with Direct Print with Attachments Functionality.

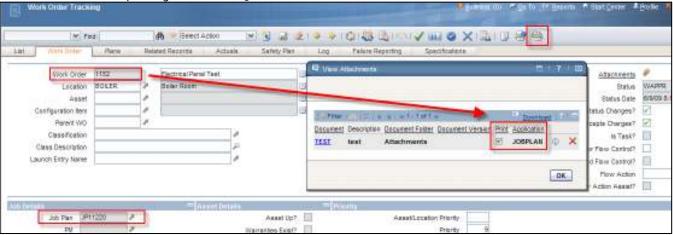


This property setting can best be described through a use case.

- 1. In the Job Plan application, an attachment 'Test' is made to Job Plan #JP11220.
- 2. Then, in the Work Order application, WO #1152 is created and uses Job Plan #JP11220.

If the mxe.directprint.inherited.attachment is sent to 0 (no), the Test Attachment made on JP11220 will not be enabled for printing with WO #1152.

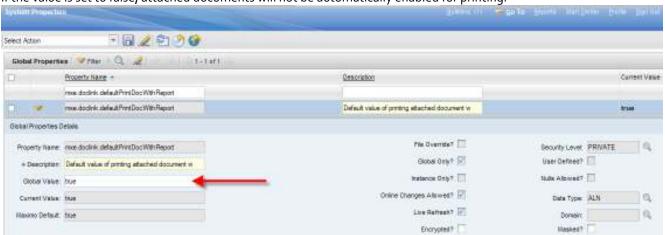
If the mxe.directprint.inherited.attachment is sent to 1 (yes), the Test Attachment made on JP11220 will be enabled for printing with WO #1152. This is shown in the screen shot below.



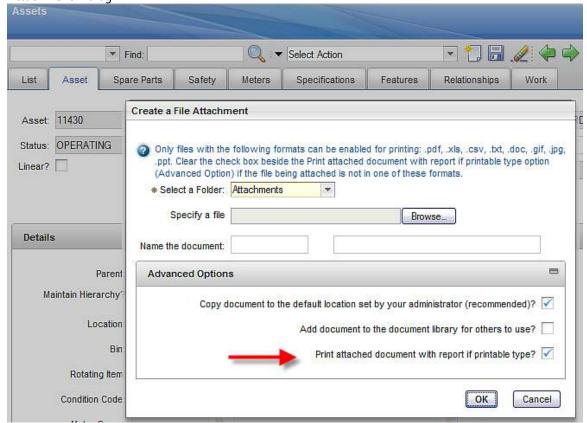
## 3.2 Property Setting: mxe.doclink.defaultPrintDocWithReport

The property setting mxe.doclink.defaultPrintDocWithReport enables you to configure the default value of having Attached Documents automatically print with the associated records.

If the value is set to true, attached documents will automatically be enabled for printing. If the value is set to false, attached documents will not be automatically enabled for printing.



This value can be seen in the screen shot below. When configured to true, the 'Print attached document with report if printable type?' field is enabled. This is shown in the Advanced Options of the File Attachment Dialog.



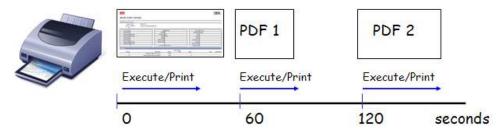
## 3.3 Property Setting: mxe.directprint.printtime.wait

This property setting enables you to define the Direct Printing with Attachments processing wait time. It only applies to pdf file, which includes reports which are converted to pdf format for printing. If any attachments in the record set are non-pdf files, the setting does not apply to them.

Using an example of a single report and two attachments, this property setting will be detailed as it interacts with the Direct Print with Attachment process. In this example, the value of mxe.directprint.printtime.wait is set to 60 seconds.

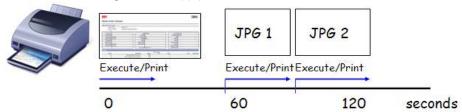
#### Scenario 1: The two attachments are pdf files.

The DPA process starts by executing and printing the report as a PDF file. After completion, the first PDF attachment will then begin its execution/print stage at the wait time of 60 seconds. Then, the second PDF attachment will begin its execution/print stage at 120 seconds.



Scenario 2: The two attachments are noon-pdf files, for example .jpg files.

The DPA process starts by executing and printing the report as a PDF file. After completion, the first non-PDF attachment will then begin its execution/print stage at the wait time of 60 seconds. Then, after it has completed, the second non-PDF attachment will execution/print. Since the attachments are non-pdf files, this wait time setting does not apply to them.



#### Considerations:

Based on this, if you have very large reports, and your report attachment packages could contain, large complex pdf files, if you set this value

Low: All attachments may not print

High: All attachments will print...but time of printing process may be long

Additionally, if the property is set to a high value (ex. 600 seconds), and no delays in printing are experienced, then it is confirmed that the java code can read your unique printer status.

Therefore, carefully consider the best value for your unique business requirements.

## 3.4 Property Setting: mxe.report.birt.PrintSeparateRecord

Duplex printing enables information to print on both the front and back of a sheet of paper. You may want to enable duplex printing, and have each new record display on the front of a new piece of paper - so each job can be distributed to different individuals/jobs. This is called 'Duplex Printing with Report Separation'.

Beginning with the Maximo 7.5.0.3 release, you can enable this by setting the value of mxe.report.birt.PrintSeparateRecord to true. T

This can be explained using the sample scenario, where three workorder (WO) records have been selected to print: WO 1001, WO 1002, WO 1003

WO 1001 is 3 pages long

WO 1002 is 1 page long

WO 1003 is 2 pages long

By setting mxe.report.birt.PrintSeparateRecord, this record set will print as detailed here:

WO 1001 will print on 2 pieces of paper. The first piece of paper will print front and back. (pages 1 and 2) The second piece of paper will print front (page 3 only)

WO 1002 will print on 1 piece of paper. The single piece of paper will print front only (page 1)

WO 1003 will print on 1 piece of paper. The first piece of paper will print front and back. (pages 1 and 2)

WO 1001	WO 1001	WO 1001	
Page 1 - Front	Page 1 - Back	Page 2 - Front	Page 2 - Back
WO 4000			
WO 1002			
Page 3 - Front	Page 3 - Back		
		· I	
WO 1003	WO 1003		
Page 4 - Front	Page 4 - Back		

#### Notes:

- 1. Duplex Printing is not enabled from the Assignment Manager application. This occurs as Direct Print with Attachments is not available from Assignment Manager due to its unique database (view) configuration.
- 2. For details on implementing this feature prior to Version 7.5.0.3, reference the Maximo report wiki page below:

http://bit.ly/1e5mCt9

## 3.5 Property Setting: mxe.doclink.securedAttachment

This property setting determines if the attachment is secured or not. If you set this value to true, and you want to print attachments which are Microsoft Office attachments, additional configuration may be required depending on the release you are using.

If you are on a release prior to Version 7.5.0.3, to enable this feature, you must edit the httpd.conf file.

If you are on Version 7.5.0.3 or later, do not edit the httpd.conf file.

A new servlet, reportattacheddocservlet, has been added in this release to handle the secure attachments.

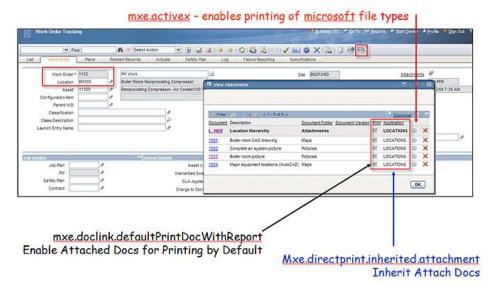
Additionally, do not add application security to the reportattacheddocservlet, or it will not function properly.

This configuration is highlighted in the chart below.

Version	httpd.conf	reportattacheddocservlet
Prior to Version 7.5.0.3	Edit	Not available.
Version 7.5.0.3 or later	Do NOT edit	Available. Do not set application security on servlet

This last diagram details how a few of the property settings impact the Direct Print and Direct Print with Attachments functionality.

# Direct Print Property Settings



# REFERENCE MATERIALS

Below please find a listing of Maximo Report Reference sites

#### 1. Maximo Report Reference Material listings

https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%2oMaximo%2oAsset%2oManagement/page/Reporting%2oDocumentation

#### 2. Maximo Report Wiki Home Page

https://www.ibm.com/developerworks/community/wikis/home?lang=en#/wiki/IBM%2oMaximo%2oAsset%2oManagement/page/Reporting

#### 3. Maximo Version 76 Report Reference Material Listings

https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%2oMaximo%2oAsset%2oManagement/page/Maximo%2o76%2oBl%2oDocumentation

#### 4. Maxim o Version 76 Report Recorded Demos

https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%2oMaximo%2oAsset%2oManagement/page/Maximo%2o76%2oBI%2oRecordings

#### 5. Maximo Supported Product Matrix

(Lastest information on browser, adobe and JRE support)

http://www-

o1.ibm.com/support/docview.wss?rs=3214&context=SSLKT6&q1=language&uid=swg27014419&loc=en\_US&cs=utf-8&lang=en



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