

# EIP Integration & Alliance Partner Solutions Training

Enabling EIP on MFPs

XE Education & Learning



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## Table of Contents

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Overview	3
EIP Configurations	3
Enabling EIP on WorkCentre 7655 Family	4
Enabling EIP on WorkCentre 5632 Family	7
Enabling EIP on WorkCentre Pro 245 Family	11
Enabling EIP on WorkCentre 73xx Family	14
Enabling EIP on WorkCentre 72xx Family	148
Enabling EIP on WorkCentre 52xx Family	214

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## Overview

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The Extensible Interface Platform (EIP) is a set of extensibility interfaces that are supported on certain Xerox Office device platforms. This document gives detailed instructions on how to enable this feature on the compatible Xerox Office devices.

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## EIP Configurations

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Products Type	Min S/Ware Version	Access to Custom Services	UI type	Install method
WCP 2xx	13.60.17.000	Custom Service Button	½ panel mono (4 bit gray)	DLM
WC 56xx	All	Custom Service Button	½ panel mono (4 bit gray)	DLM
WC 76xx	040.033.50500	Main Screen	800x600 (16 bit color)	DLM
WC 73xx	1.221.201	Main Screen	800x600 (8 bit color)	No DLM
WC 72xx	1.203.5	Custom Service Button	½ panel mono (2 bit gray)	No DLM
WC 52xx	1.203.2	Custom Service Button	½ panel mono (2 bit gray)	No DLM

## Enabling EIP on WorkCentre 7655 Family



1. Load “install Custom Services.dlm” if not already installed. Check configuration report under **Installed Options** for “Custom Services”, if present, dlm has been installed. The DLM is available for download from [http://www.support.xerox.com/go/results.asp?Xtype=download&prodID=WC7655\\_WC7665&Xlang=en\\_US&Xcntry=USA&prodName=WorkCentre%207655/7665/7675](http://www.support.xerox.com/go/results.asp?Xtype=download&prodID=WC7655_WC7665&Xlang=en_US&Xcntry=USA&prodName=WorkCentre%207655/7665/7675) within the section of **Firmware & Machine Upgrades**.
  - a. Navigate to **Properties** on the Device Web UI.
  - b. Expand **General Setup** in the tree menu
  - c. Expand **Machine Software** on the tree menu
  - d. Select “**Manual upgrade**”.
  - e. Use the browse button to find the “installCustomServices.dlm and click “**Install Software**”.




The screenshot shows the 'Internet Services' web interface for a 'XEROX WorkCentre 7655'. The 'Properties' tab is selected, and the 'Machine Software' section is expanded. The 'Manual Upgrade' section is active, showing a 'Browse...' button and an 'Install Software' button. A note at the bottom states: 'Note: Software installation will begin several minutes after the software file has been submitted to the machine. Once installation has begun all Internet Services from this machine will be lost including this Web User Interface. The installation progress can be monitored from the Local UI.' There is also a 'Restore Default Values' button at the bottom.

## 2. Enable SSL.

- a. Navigate to **Properties** on device WebUI.
- b. Expand **General Setup** in tree menu.
- c. Select “**Extensible Service Setup**”
- d. Select Settings for HTTP (SSL)

Create or upload digital certificate by selecting “**Configure Digital Certificate**” link. Click radio button to enable SSL transport.



The screenshot shows the Xerox WorkCentre 7655 WebUI. The page title is "Internet Services" and "XEROX WorkCentre 7655". The user is logged in as "admin". The navigation menu includes "Status", "Jobs", "Print", "Scan", "Properties", and "Support". The "Properties" menu is expanded, showing "General Setup" with sub-items: "Configuration", "Cloning", "Image Settings", "Internationalization", "Job Management", "Sleep Mode Settings", "Extensible Service Setup" (selected), "Smart eSolutions Setup", "Alert Notification", "Machine Software", "Connectivity", "Services", "Accounting", and "Security".

The main content area is titled "Extensible Service Setup" and "HTTP". There are two tabs: "HTTP" (selected) and "Web Services". The "Configuration" section has the following settings:

- Connection:**  Disabled,  Enabled. Port Number: 80
- Physical Connection:** Ethernet
- Maximum Connections:** 32
- Secure HTTP (SSL):**  Disabled,  Enabled. Port Number: 443
- Keep Alive Timeout:** 10 seconds (1-60)

Buttons at the bottom of the configuration section are "Default All", "Close", "Undo", and "Save".

A yellow "Note" box contains the following text:

Secure HTTP enablement requires a Machine Digital Certificate.  
[Configure Machine Digital Certificate](#)  
 HTTP traffic will be routed to the secure port when using HTTP with SSL.

These settings will be used for the following features:


- Web UI Page Display
- Configuration via Web UI Page including Audit Log, IPSec, SNMP
- Print Submit via the Web UI
- Web Services
- Network Accounting Database Access
- Printing via Internet Printing Protocol

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3. Enable Web services required, at minimum enable the Extensible Service Registration web service.


- a. Navigate to **Properties** on Device web UI
- b. Expand **General Setup**
- c. Select “**Extensible Service Setup**”.

**Note:** If this is still selected from step 2 above, the page may need to be refreshed in order to get back to the settings page.



The screenshot shows the 'Internet Services' configuration page for a Xerox WorkCentre 7655. The page is titled 'XEROX WorkCentre 7655' and includes a navigation menu with 'Status', 'Jobs', 'Print', 'Scan', 'Properties', and 'Support'. The 'Properties' section is expanded to show 'Extensible Service Setup'. The 'Setup (Required)' section shows 'HTTP (SSL)' and 'Extensible Service Registration' both as 'Configured' with green checkmarks and 'Settings...' buttons. The 'Enable Extensible Services' section has a checkbox for 'Verify server certificates' (unchecked) and a checked checkbox for 'Export password to Extensible Services'. 'Undo' and 'Apply' buttons are at the bottom right. The Xerox logo and copyright information are at the bottom.

d. Select Settings for “**Extensible Service Registration**”. Enable at minimum the Extensible Service Registration.



Internet Services XEROX WorkCentre 7655 admin - Logout | Home | Index | Site Map | Help...

Status Jobs Print Scan Properties Support

**Properties**

- Configuration Overview
- Description
- General Setup**
  - Configuration
  - Cloning
  - Image Settings
  - Internationalization
  - Job Management
  - Sleep Mode Settings
- Extensible Service Setup**
- Smart eSolutions Setup
- Alert Notification
- Machine Software**
- Connectivity
- Services
- Accounting
- Security

Extensible Service Setup

HTTP

HTTP Web Services

Enable All Disable All

Enable	Name	Status
<input checked="" type="checkbox"/>	Extensible Service Registration	Enabled
<input checked="" type="checkbox"/>	Scan Template Management	Enabled
<input checked="" type="checkbox"/>	Xerox Secure Access	Enabled
<input checked="" type="checkbox"/>	Session Data	Enabled
<input checked="" type="checkbox"/>	Scan Extension	Enabled
<input checked="" type="checkbox"/>	Device Configuration	Enabled
<input checked="" type="checkbox"/>	Authentication & Authorization Configuration	Enabled

Close Undo Save

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## Enabling EIP on WorkCentre 5632 Family



1. Load “install Custom Services .dlm” if not already installed. Check configuration report under **Installed Options** for “Custom Services”, if present, dlm has been installed. The DLM is available for download from [http://www.support.xerox.com/go/results.asp?Xtype=download&prodID=WC5632\\_WC5638&Xlang=en\\_US&Xcntry=USA&prodName=WorkCentre%205632/5638](http://www.support.xerox.com/go/results.asp?Xtype=download&prodID=WC5632_WC5638&Xlang=en_US&Xcntry=USA&prodName=WorkCentre%205632/5638) under WorkCentre 5632/5638 “Firmware and machine upgrades”.
  - a. Navigate to **Properties** on the Device Web UI.
  - b. Expand **General Setup** in the tree menu
  - c. Expand **Machine Software** on the tree menu
  - d. Select “**Manual Upgrade**”.
  - e. Use the browse button to find the “installCustomServices.dlm and click “**Install Software**”.

Internet Services XEROX WorkCentre 5632 admin - Logout | Home | Index | Site Map | Help...

Status Jobs Print Scan Properties Support

**Properties**

- Configuration Overview
- Description
- ▼ **General Setup**
  - Configuration
  - Image Settings
  - Job Management
  - Internationalization
  - Sleep Mode Settings
  - Cloning
- ▶ **Alert Notification**
- ▶ **Smart eSolutions**
- ▼ **Machine Software**
  - Upgrades
  - Auto Upgrade
  - Manual Upgrade
- ▶ **Connectivity**
- ▶ **Services**
- ▶ **Accounting**
- ▶ **Security**

**Machine Software**


**Last Successful Upgrade**

Version: 21.102.1.0
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**Auto Upgrade**

Schedule Upgrade:	Disabled
Refresh Start Time	Daily - 12:00 AM
File Server IP Address:	0.0.0.0.0

**Manual Upgrade**

 **Install Software**

Note: Software Installation will begin several minutes after the software file has been submitted to the machine. Once Installation has begun all Internet Services from this machine will be lost, including this Web User Interface. The installation progress can be monitored from the Local UI.

2. Enable SSL.
  - a. Navigate to **Properties** on device WebUI.
  - b. Expand **Connectivity**
  - c. Expand **Protocols**
  - d. Select **"HTTP"**. Create or upload digital certificate by selecting **"Configure machine Digital Certificate"** link. Click radio button to enable SSL transport. Port can be changed as desired.



CounterWare
admin - Logout | Home | Index | Site Map | Help...

Internet Services
XEROX WorkCentre 5632

Status Jobs Print Scan Properties Support

**Properties**

- Configuration Overview
- Description
- ▶ **General Setup**
- ▼ **Connectivity**
- ▶ **Physical Connections**
- ▼ **Protocols**
- AppleTalk
- NetWare
- TCP/IP
- SLP
- SNMP
- SSDP
- Microsoft Networking
- LPR/LPD
- Raw TCP/IP Printing
- SMTP Server
- LDAP
- POP3 Setup
- HTTP**
- Proxy Server
- ▶ **Services**
- ▶ **Accounting**
- ▶ **Security**

### HTTP

**Configuration**


<p><b>Connection:</b></p> <p><input type="radio"/> Disabled</p> <p><input checked="" type="radio"/> Enabled</p> <p><input type="text" value="80"/> Port Number</p> <p><b>Secure HTTP (SSL):</b></p> <p><input type="radio"/> Disabled</p> <p><input checked="" type="radio"/> Enabled</p> <p><input type="text" value="443"/> Port Number</p>	<p><b>Physical Connection:</b> Ethernet</p> <p><b>Maximum Connections:</b> 32</p> <p><b>Keep Alive Timeout:</b> <input type="text" value="10"/> seconds (1-60)</p>
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**Note**

Secure HTTP enablement requires a Machine Digital Certificate.  
[Configure Machine Digital Certificate](#)  
 HTTP traffic will be routed to the secure port when using HTTP with SSL.


These settings will be used for the following features:

- Web UI Page Display
- Configuration via Web UI Page including Audit Log, IPsec, SNMP
- Print Submit via the Web UI
- Web Services
- Network Accounting Database Access
- Printing via Internet Printing Protocol



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3. Enable Custom Services
  - a. Navigate to **Properties** on device WebUI.
  - b. Expand **Services**
  - c. Expand **Custom Services**
  - d. Select “**Custom Services**”
  - e. Select Enabled and click “Apply”.



The screenshot shows the 'Internet Services' configuration page for a Xerox WorkCentre 5632. The page is titled 'Internet Services' and 'XEROX WorkCentre 5632'. The user is logged in as 'admin'. The 'Properties' tab is selected, and the 'Custom Services' section is expanded in the left-hand navigation menu. The main content area is titled 'Custom Services' and contains three sections: 'Setup', 'Enablement', and 'Optional Information'. The 'Setup' section shows a table with one step: '1. Enable SSL (Secure Socket Layer)' with a status of 'Completed'. The 'Enablement' section has radio buttons for 'Enabled' (selected) and 'Disabled'. The 'Optional Information' section has checkboxes for 'Automatically validate signed certificates from server' (unchecked) and 'Export password to user application' (checked). There are 'Apply' and 'Undo' buttons at the bottom of the configuration area. A note at the bottom states: 'Note: The Login Credentials refer to the User Name and Password entered at the device local user interface'.

Steps	Status
1. Enable SSL (Secure Socket Layer)	Completed

Enabled  
 Disabled

Automatically validate signed certificates from server  
 Export password to user application

Apply Undo

Note:  
The Login Credentials refer to the User Name and Password entered at the device local user interface

## Enabling EIP on WorkCentre Pro 245 Family



1. Load “install Custom Services .dlm” if not already installed. Check configuration report under **Installed Options** for “Custom Services”, if present, dlm has not been installed. The DLM is available for download from [www.support.xerox.com](http://www.support.xerox.com) under WorkCentre 245/255 “Drivers and Downloads”.
  - a. Navigate to **Properties** on the Device Web UI.
  - b. Expand **Services** in the tree menu
  - c. Expand **Machine Software** on the tree menu
  - d. Select “**Manual Upgrade**”.
  - e. Use the browse button to find the “installCustomServices.dlm and click “**Install Software**”.



The screenshot displays the Xerox WorkCentre Pro 245 Family Device Web UI. The page title is "XEROX WORKCENTRE PRO" and the sub-page is "Machine Software". The left sidebar shows a tree menu with "Machine Software" expanded to "Manual Upgrade". The main content area shows the "Manual Upgrade" section with a "Browse..." button and an "Install Software" button. A note at the bottom states: "Note: Software Installation will begin several minutes after the software file has been submitted to the machine. Once Installation has begun all Internet Services from this machine will be lost, including this Web User Interface. The installation progress can be monitored from the Local UI." A "Restore Default Values" button is also visible.


Last Successful Upgrade	
Version:	13.60.17.8

Auto Upgrade	
Schedule Upgrade:	Disabled
Refresh Start Time	Daily - 12:00 AM
File Server IP Address:	0.0.0.0

**Manual Upgrade**


Note: Software Installation will begin several minutes after the software file has been submitted to the machine. Once Installation has begun all Internet Services from this machine will be lost, including this Web User Interface. The installation progress can be monitored from the Local UI.

2. Enable SSL.
  - a. Navigate to **Properties** on device WebUI.
  - b. Expand **Security**
  - c. Select **“SSL”**. Create or upload digital certificate by selecting **“Create New Certificate”**. Click check box to enable SSL transport. Port can be changed as desired.



The screenshot displays the Xerox WorkCentre Pro WebUI interface. The top navigation bar includes 'Status', 'Jobs', 'Print', 'Scan', 'Properties', and 'Support'. The 'Properties' section is expanded to show 'SSL'. The 'Configure SSL' section has 'Protocol' set to 'Enabled' and 'Port Number' set to '443'. The 'Machine Digital Certificate' section shows 'Current Status: A Self Signed Certificate is established on this machine.' and buttons for 'Create New Certificate', 'Upload Signed Certificate', 'Apply', and 'Undo'. The Xerox logo is visible in the bottom left corner.

3. Enable Custom Services
  - a. Navigate to **Properties** on device WebUI.
  - b. Expand **Services**
  - c. Expand **Custom Services**
  - d. Select “**Custom Services**”
  - e. Select Enabled and click “Apply”.



The screenshot displays the 'Internet Services' configuration page for a Xerox WorkCentre Pro. The page is titled 'Custom Services' and is part of the 'Properties' section. The left sidebar shows a tree view with 'Custom Services' selected. The main content area is divided into three sections: 'Setup', 'Enablement', and 'Optional Information'. The 'Setup' section shows a table with one step: '1. Enable SSL (Secure Socket Layer)' with a status of 'Completed'. The 'Enablement' section has radio buttons for 'Enabled' (selected) and 'Disabled'. The 'Optional Information' section has two checkboxes: 'Automatically validate signed certificates from server' (unchecked) and 'Automatically apply Login Credentials to authenticate users to server' (checked). There are 'Apply' and 'Undo' buttons at the bottom. A note at the bottom states: 'Note: The Login Credentials refer to the User Name and Password entered at the device local user interface.'

**Internet Services** XEROX WORKCENTRE PRO [Index](#) | [Contents](#) | [Help...](#)

Status Jobs Print Scan Properties Support

**Properties**

- Description
- ▶ General Setup
- ▶ Connectivity
- ▼ Services
  - ▶ Printing
  - ▶ Fax
  - ▶ Network Scanning
  - ▶ Scan to Mailbox
  - ▶ Scan to Home
  - ▶ Machine Software
  - ▶ Internet Messaging
  - ▶ Xerox Services
  - ▼ Custom Services
    - Validation Options
    - Custom Services
  - ▶ Security

### Custom Services

Steps	Status
1. <a href="#">Enable SSL (Secure Socket Layer)</a>	Completed

**Enablement**

Enabled  
 Disabled

**Optional Information**

Automatically validate signed certificates from server  
 Automatically apply Login Credentials to authenticate users to server

**Note:**  
The Login Credentials refer to the User Name and Password entered at the device local user interface.

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## Enabling EIP on WorkCentre 73xx Family

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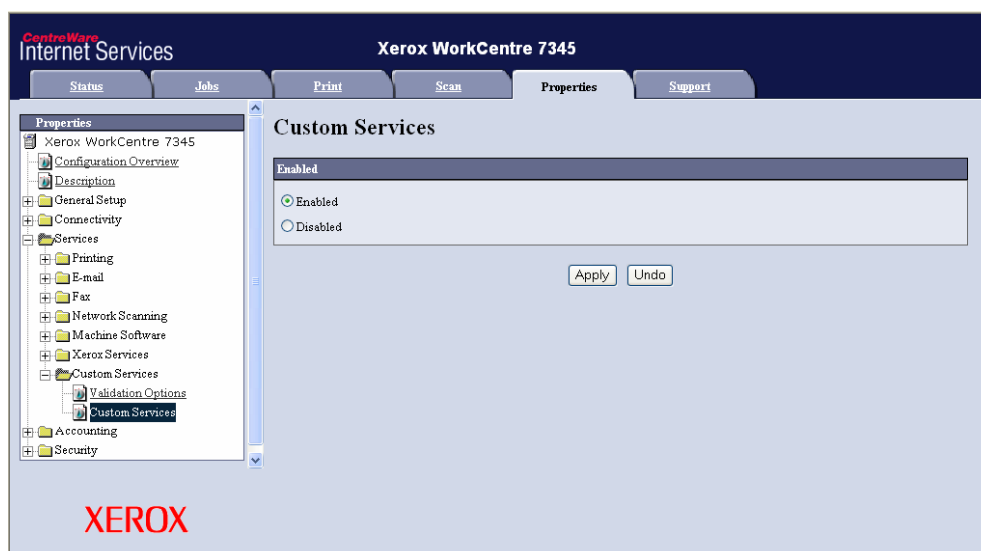
1. Check configuration report under System Settings for “Controller+PS ROM” Software Version. EIP Requires Controller Software Version 1.221.201 or higher. Contact Xerox Support if a software upgrade is required
2. Enable SSL.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Security**
  - c. Select “Machine **Digital Certificate Management**” to create or upload a digital certificate.



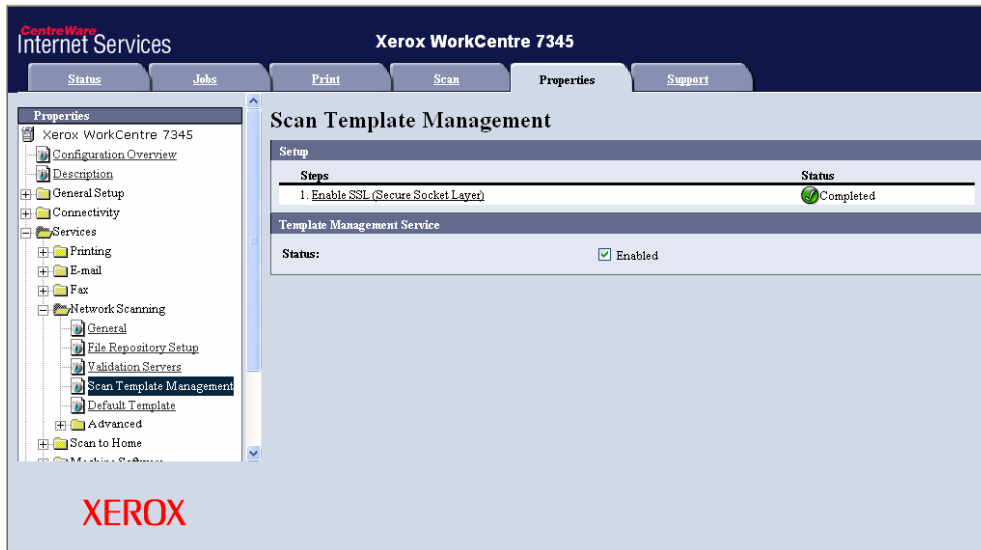
- d. Select “SSL / TLS Settings”. Click check box to enable HTTP – SSL / TLS communication. Port number can be changed as desired.



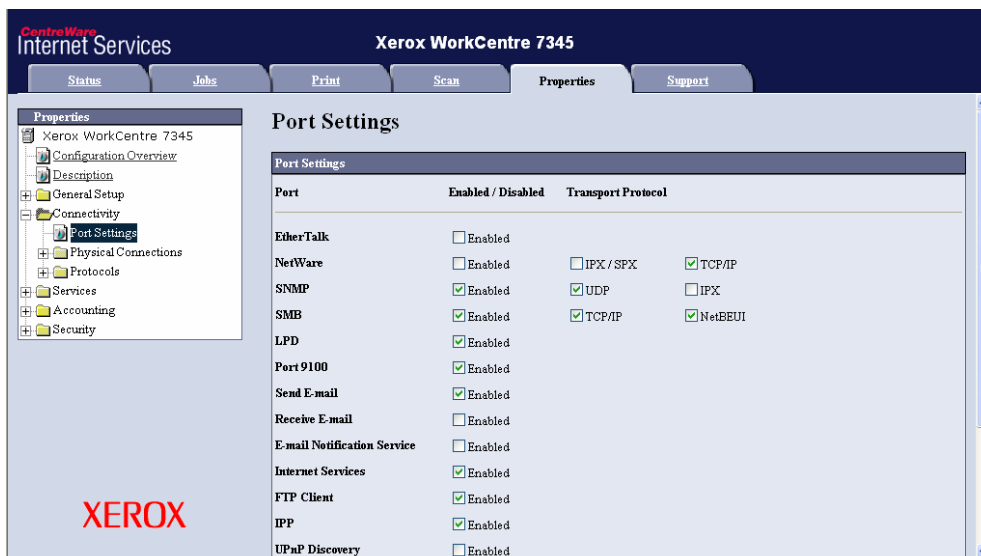
3. Enable Custom Services.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Services**
  - c. Expand **Custom Services**
  - d. Select “**Custom Services**”
  - e. Select Enabled and click “Apply”.



4. Enable Scan Template Management.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Services**
  - c. Expand **Network Scanning**
  - d. Select “**Scan Template Management**”
  - e. Select Enabled.



5. Enable FTP Client for Scan Template Management (if necessary).
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Connectivity**
  - c. Select “**Port Settings**”
  - d. Click Check Box to enable FTP Client and click “Apply”.







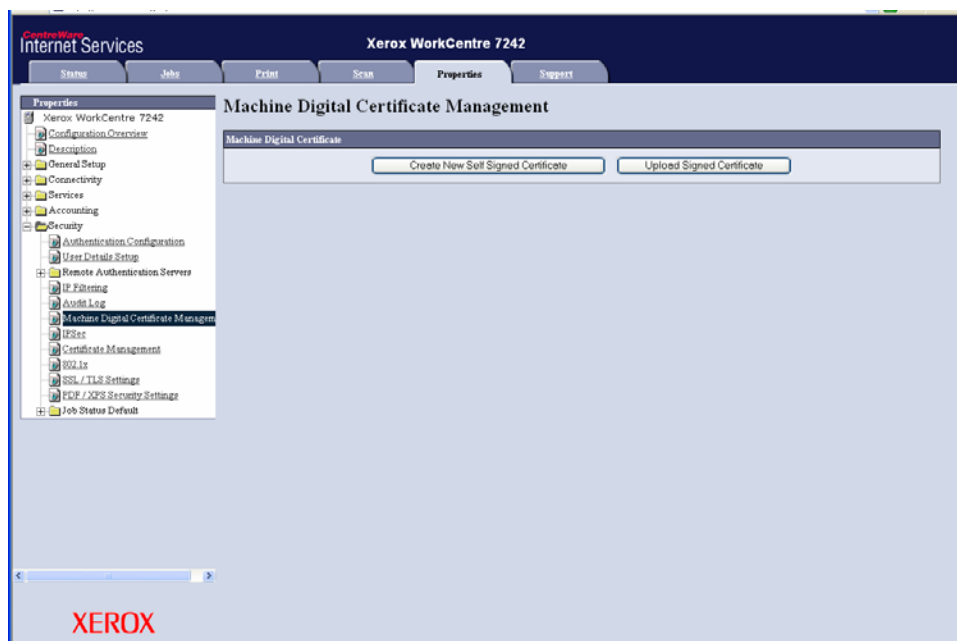
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## Enabling EIP on WorkCentre 72xx Family

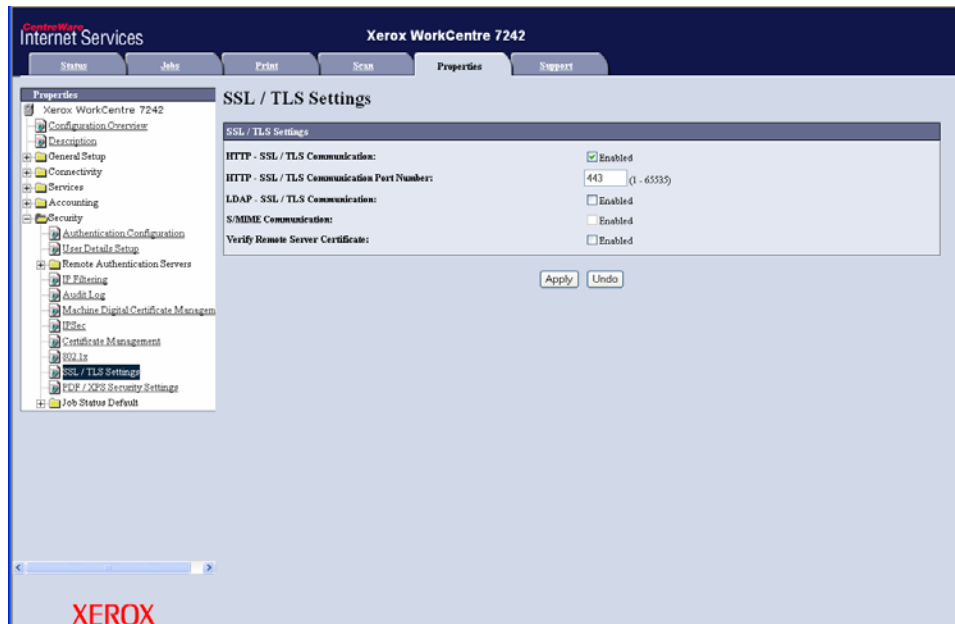
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1. Check configuration report under System Settings for “Controller+PS ROM” Software Version. EIP Requires Controller Software Version 1.203.5 or higher. Contact Xerox Support if a software upgrade is required
2. Enable SSL.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Security**
  - c. Select “Machine **Digital Certificate Management**” to create or upload a digital certificate.



- d. Select “SSL / TLS Settings”. Click check box to enable HTTP – SSL / TLS communication. Port number can be changed as desired.

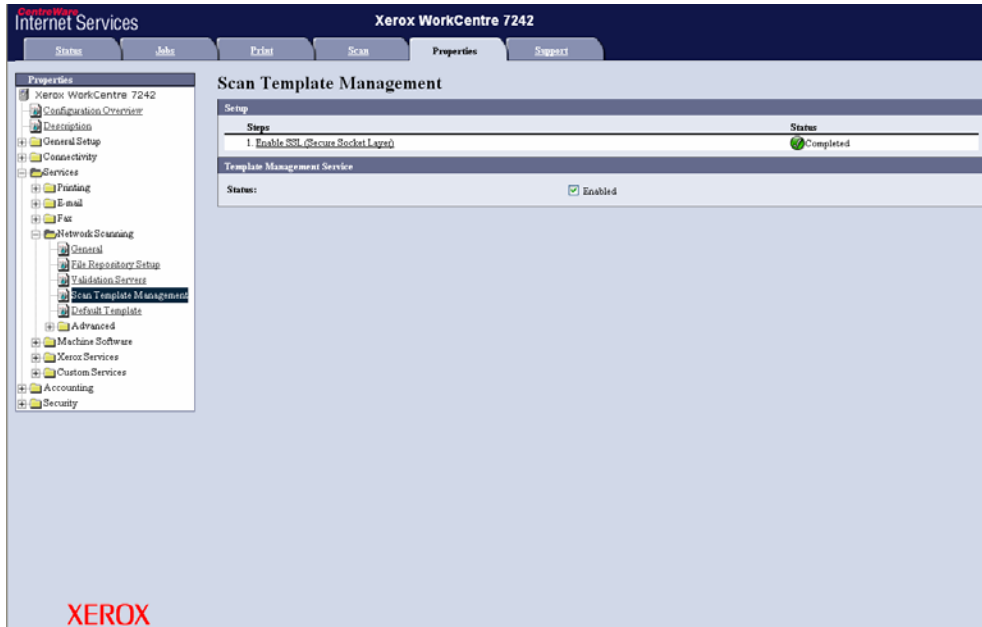


3. Enable Custom Services.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Services**
  - c. Expand **Custom Services**
  - d. Select “**Custom Services**”
  - e. Select Enabled and click “Apply”.



4. Enable Scan Template Management.

- a. Navigate to the **Properties** tab on the device WebUI.
- b. Expand **Services**
- c. Expand **Network Scanning**
- d. Select “**Scan Template Management**”
- e. Select Enabled.



5. Enable FTP Client for Scan Template Management (if necessary).

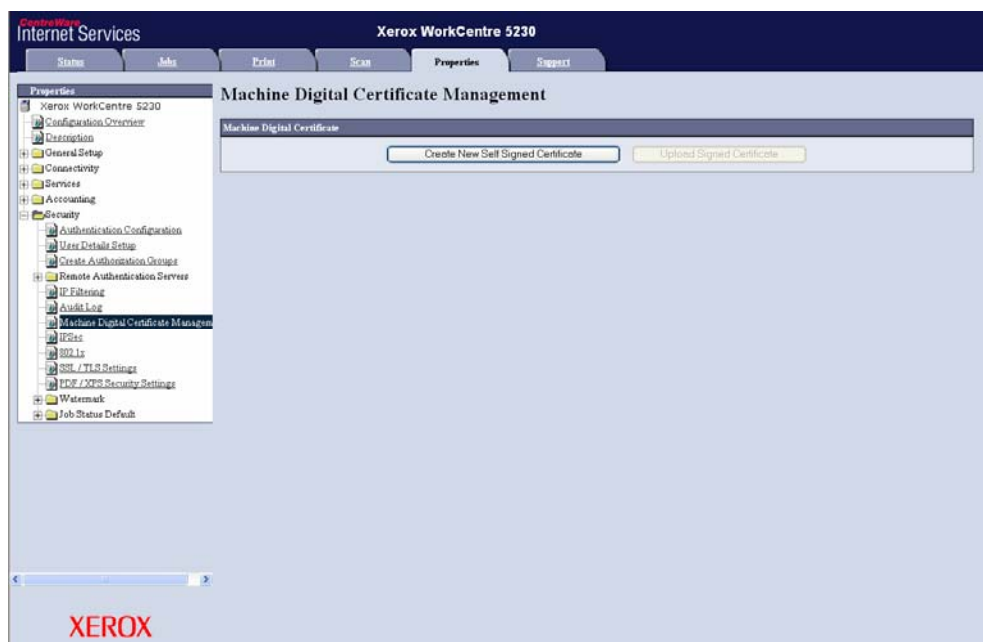
- a. Navigate to the **Properties** tab on the device WebUI.
- b. Expand **Connectivity**
- c. Select “**Port Settings**”
- d. Click Check Box to enable FTP Client and click “Apply”.



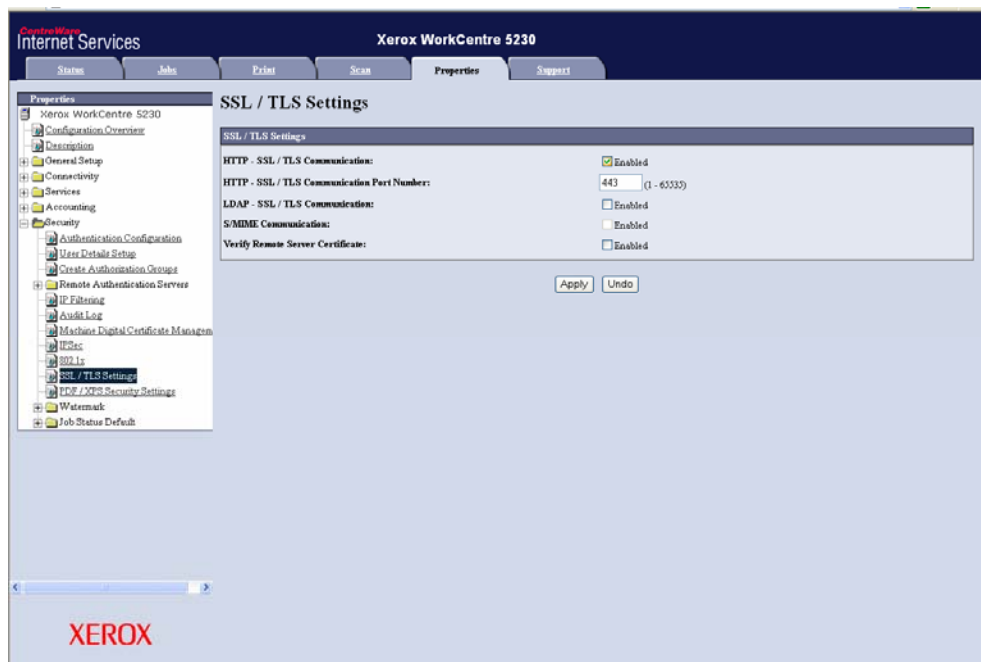
## Enabling EIP on WorkCentre 52xx Family



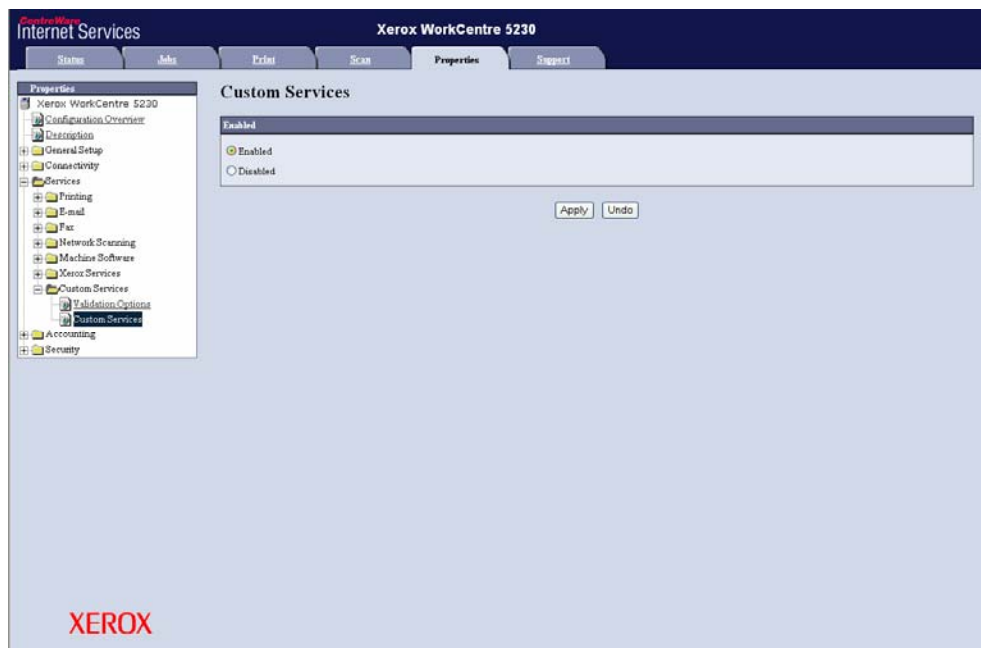
1. Check configuration report under System Settings for “Controller+PS ROM” Software Version. EIP Requires Controller Software Version 1.203.2 or higher. Contact Xerox Support if a software upgrade is required
2. Enable SSL.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Security**
  - c. Select “Machine **Digital Certificate Management**” to create or upload a digital certificate.



- d. Select “SSL / TLS Settings”. Click check box to enable HTTP – SSL / TLS communication. Port number can be changed as desired.

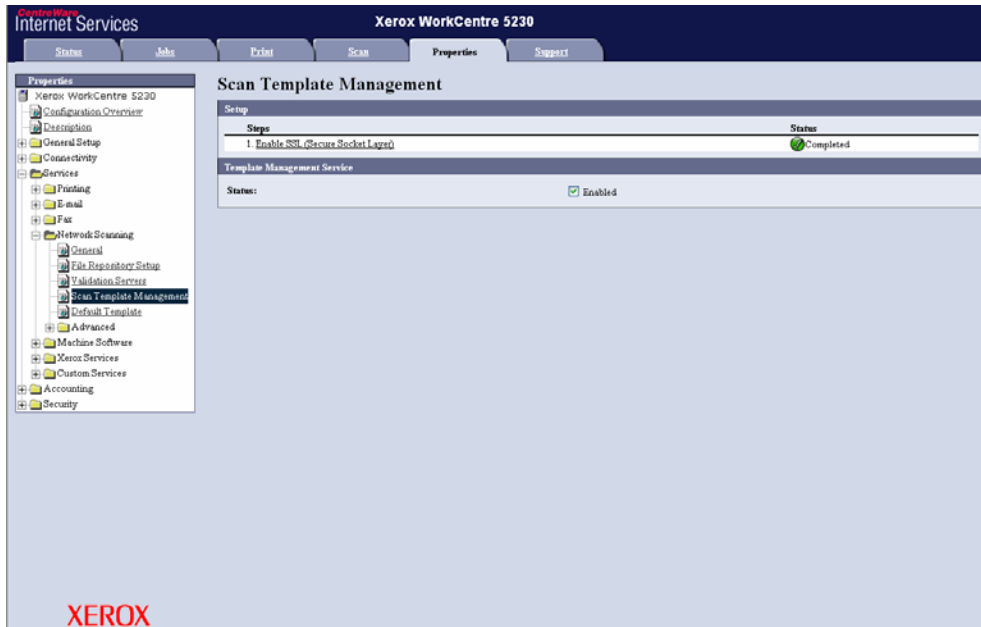


3. Enable Custom Services.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Services**
  - c. Expand **Custom Services**
  - d. Select “**Custom Services**”
  - e. Select Enabled and click “Apply”.



4. Enable Scan Template Management.
  - a. Navigate to the **Properties** tab on the device WebUI.
  - b. Expand **Services**

- c. Expand **Network Scanning**
- d. Select **“Scan Template Management”**
- e. Select **Enabled**.



5. Enable FTP Client for Scan Template Management (if necessary).

- a. Navigate to the **Properties** tab on the device WebUI.
- b. Expand **Connectivity**
- c. Select **“Port Settings”**
- d. Click Check Box to enable FTP Client and click **“Apply”**.



