

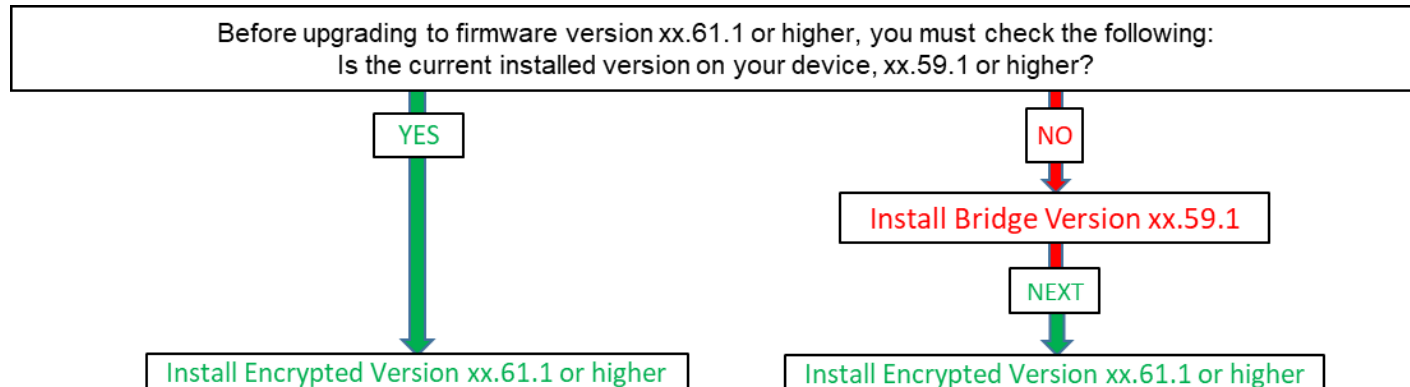
Xerox® VersaLink® Product Enhancements Document for Version xx.67.91

Description of new features and enhancements to the products specified below.

Release Date: December 7, 2021

dc21rn4067

Please Read First



In addition to the encrypted firmware file, Clone files have increased security and data validation. Clone files created prior to firmware release xx.61.1 cannot be applied to this version or higher. A new clone file will need to be created for future use. Clone files created with firmware version xx.61.1 or newer cannot be applied to devices running older versions of firmware. Please see 'Versalink Firmware Installation v7.pdf' for more information.

Firmware Release Details

Products SPAR Release xx.67.91 (encrypted) (Click on product name to access software)	System Version	Controller ROM Version	Products *Bridge Release (Click on product name to access software)	System Version
Xerox® VersaLink® B400	37.67.91	1.81.1	Xerox® VersaLink® B400	37.59.1
Xerox® VersaLink® B405	38.67.91	1.81.1	Xerox® VersaLink® B405	38.59.1
Xerox® VersaLink® C400	67.67.91	1.81.1	Xerox® VersaLink® C400	67.59.1
Xerox® VersaLink® C405	68.67.91	1.81.1	Xerox® VersaLink® C405	68.59.1
Xerox® VersaLink® B600/B610	32.67.91	1.81.1	Xerox® VersaLink® B600/B610	32.59.1
Xerox® VersaLink® B605/B615	33.67.91	1.81.1	Xerox® VersaLink® B605/B615	33.59.1
Xerox® VersaLink® C500/C600	61.67.91	1.81.1	Xerox® VersaLink® C500/C600	61.59.1
Xerox® VersaLink® C505/C605	62.67.91	1.81.1	Xerox® VersaLink® C505/C605	62.59.1
Xerox® VersaLink® C7000	56.67.91	1.81.1	Xerox® VersaLink® C7000	56.59.1
Xerox® VersaLink® C7020/7025/7030	57.67.91	1.81.1	Xerox VersaLink C7020/7025/7030	57.59.1
Xerox® VersaLink® B7025/7030/7035	58.67.91	1.81.1	Xerox VersaLinkB7025/7030/7035	58.59.11
Xerox® VersaLink® C8000/C9000	70.67.91	1.81.1	Xerox® VersaLink® C8000/C9000	70.59.1
Xerox® VersaLink® C8000W	72.67.91	1.81.1	NA	NA
Phaser 6510	64.67.91	1.81.1	Phaser 6510	64.59.11
Windows Installer Only v5.3.6.19			Windows Installer Only v5.3.6.19	
Mac Installer			Mac Installer	
WorkCentre 6515	65.67.91	1.81.1	WorkCentre 6515	65.59.11
Windows Installer Only v5.3.6.19			Windows Installer Only v5.3.6.19	
Mac Installer			Mac Installer	

Plugin Release Details

<u>VersaLink Card Reader Plug-ins v11</u>	Version
Xerox USB Card Reader	3.0.11
Modernized CAC Smart card Service Plugin	2.0.1
GemNet Smart card Service	1.0.18
CCID Terminal Plug-in	1.1.3
TWN4 Card Reader Service	1.0.0

Note: These Smartcard plugins are newer than what is available on Xerox.com and requires system firmware version xx.61.23 or later to provide all functionality.

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Latest release information:

Product Firmware Release xx.67.91 (NW1.5 PL7-R6)

1. Support to Print Compressed Jobs via the Print from URL Submission

This release adds support for printing compressed jobs submitted from Print From URL. File types supported for compressed jobs is gzip.

Product Firmware Release xx.66.91 (NW1.5 PL7-R5)

1. Increase SMTP password to 128 characters

This release adds the ability to support SMTP password length longer than 60 Characters for Outgoing SMTP Authentication. SMTP password length max supported is 128 characters.

Many mail server applications now begin enforcing MFA on all User accounts and starting to use API key (essentially a 69 Character password) for SMTP Authentication.

2. Bypass mode support for Bypass Tray

This release adds the ability to support the jobs to print to any media loaded in the Bypass Tray by suppressing the mismatch between the media that is in the tray and the media specified in the print job. The media to be used for the job is in the discretion of the user.

The following SFR key is required to enable/disable Bypass Mode for the C8000/C9000:

Product Model	Enablement Key	Disablement Key
Xerox® VersaLink® C8000/C9000	*3023420751	*3023420750

Specific Details when Bypass Mode is enabled:

- In Bypass Mode and the tray is not empty, the print job will always print on the media in the Bypass Tray.
- In Bypass Mode, the user will not be prompted to enter media attributes when the Bypass Tray is loaded.
- In Bypass Mode and the bypass tray is empty but an internal tray has the correct media, the internal tray will be used
- In Bypass mode when there is no media in the bypass tray and an internal tray does not have the media that matches the job, the user shall be notified to add media in a tray based on the tray priority. If the size is allowed only for the bypass tray, it will be selected.

- Paper size of Bypass tray shall utilize the current paper size setting, which has been set with non-bypass mode most recently. If media size/type needs to be modified, disable Bypass Mode, remove and reinsert media in Bypass tray, change media size on Media Popup screen then and re-enable Bypass Mode.

3. Addition of DHCP IPv6 Unique Identifier (DUID) to Configuration Sheet

The DHCP IPv6 Unique Identifier (DUID) in Link Layer format will be displayed on the printed configuration sheet when IPv6 is enabled. The DUID information is labeled “DUID (DHCP Unique Identifier)” under the Protocols heading. Additionally, the DUID identifier can be obtained from the EWS Configuration Report when IPv6 is enabled

4. New CIS (Contact Image Sensor) support has been added for A4 Models.

062-396 Error when loading System Software lower than xx.66.01 on to a Tag #10 Device.

Tag #10 Devices are not compatible with System Software below xx.66.01. Due to a factory fire, alternative components needed to be sourced for manufacturing of CIS used in the IIT assembly. The new part requires changes to the System Software to support the change and is not compatible with older System Software. The new components are installed in devices manufactured with Tag #10

5. Various Bug Fixes

- Fault code (18-505) no longer occurs while scanning to the Isilon server.
- In this release, device pulls correct hostname from DHCP server
- With this version, Scanning the printer with NMAP will show TCP port 3000 as closed
- When language is set to French, AZERTY layout keyboard will be shown in Email - To, Cc, BCC Fields.

Product Firmware Release xx.66.11 (NW1.5 PL7-R4)

1. SIPRNet Plug-ins Upgrade

This release adds the ability to upgrade / downgrade the SIPRNet plug-ins from the Web UI via the System / Plug-in Settings webpage. To install new SIPRNet plug-ins, upload the new plug-ins to the device and restart the device to activate. After the device has restarted, the old plug-ins will have been removed and the new plugins are activated.

2. Hardware reliability improvements

Fault code 062-396 when loading System Software lower than xx.66.01 on a machine with tag #10 hardware components. Devices with tag #10 hardware are not compatible with System Software below xx.66.01. Alternative components needed to be sourced for manufacturing of CCD Lens Kits used in the IIT assembly. The new part requires changes to the System Software to support the change and is not compatible with older System Software. The new components are installed in devices manufactured with Tag #10

3. Security Fix

This release corrects a parameter validation issue in the PDL interpreter that could result in 116-324 errors in the field.”

4. Various bug fixes

- Reduction of 024-747 faults when printing Comm10 Envelopes.
- Some Hungarian characters are no longer missing.
- Important A4 device reliability improvements added to this version. It is strongly recommended that A4 devices be upgraded to this version or higher.

Product Firmware Release xx.65.51 (NW1.5 PL7-R3)

1. Mask User's Names in Job Queue

This release enables the ability to conceal the User's name in the LUI and Web UI job Queue. This feature must be enabled with Conceal Job Names. The settings for this feature can be found on the Web UI in the Jobs Tab under Policies.



Conceal Job Names

☐ Show All Job Names

☒ Conceal All Job Names

Conceal User Names

☐ Show All User Names

☒ Conceal All User Names

2. Various bug fixes

- Fault code 116-324 no longer occurs during card swipe
- BOOTER FAILED message no longer occurs while performing clone file using the parameters in “Protocol” section in device webpage
- Remote command injection is not possible to perform using the clone file
- Ability to receive the email notifications, has been improved
- Finisher firmware has been upgraded from 2.6.0 to 2.8.0 to address the fault code 041-391 which occurred while trying to login into LUI

Product Firmware Release xx.65.21 (NW1.5 PL7-R2)

1. Print From URL to support concurrent spooling and rendering on the active job

This release adds support for concurrent spooling and rendering of multi-page active job submitted from Print From URL. File types supported are PCL and Postscript.

2. Ability to perform scan to home using the NetApp Filer/Appliance

Scan to home with smartcard login no longer results in fault code 018-505 when scanning to a NetApp Filer/Appliance

3. Improvements to Wireless connection

This version fixes the display of fault code 018-426 which displays in device LUI until device is rebooted manually. With this version, reboot is not required to clear the fault code 018-426. Once the device is connected to wireless network with good signal quality, fault code 018-426 will be cleared automatically.

4. Vulnerability fixes

TLS Padding Oracle Vulnerability (Zombie POODLE and GOLDENDOODLE) will no longer be detected in the device while running Qualys scan

Product Firmware Release xx.64.51 (NW1.5 PL7-R1)

1. Ability to send an encrypted email to a recipient where the destination email address is different than what is contained in the destination recipient’s email encryption certificate.

This version fixes a problem where if the scan to email recipient’s email address in the “To:” field is different from the email address that is contained within the recipient’s encryption certificate retrieved from LDAP.

Product Firmware Release xx.64.1 (NW1.5 PL7)

1. Remote Services Communication Fix

A software problem has been fixed that caused some devices to stop communicating to the Xerox Remote Servers if the feature was enabled. This services provide meter reads and supplies usage to automate replenishment billing.

Product Firmware Release xx.61.23 (PL6-R3 re-spin)

1. Improvements to ECHDE Ciphers

This version fixes an issue that could result in 116-324 faults when using the ECHDE cipher feature logging into a solution with convenience authentication. It is recommended that you upgrade to at least this version if you are going to enable the ECHDE cipher feature. The ECHDE Cipher enablement codes are found in the [PL5-R1 section](#).

2. EIP SNMP Web Service improvement

Enabling only SNMP v3 on the device no longer impacts the use of the EIP SNMP Web service.

3. Firmware and Clone file security enhancements

Starting with firmware version xx.61.1 the actual firmware file is encrypted. This was done to provide increased security for the VersaLink software. Devices with firmware versions xx.52.1 and older, cannot utilize an encrypted software file to perform a firmware upgrade. The xx.59.1 release can read the encrypted file and act as a bridge from the old version to the new version. A bridge version must be installed before installing the encrypted file.

In addition to the encrypted firmware file, Clone files have increased security and data validation. Clone files created prior to firmware release xx.61.1 cannot be applied to this install or higher. A new clone file will need to be created for future use. Clone files created with firmware version xx.61.1 or newer, cannot be applied to devices running older versions of firmware

4. SMBv3 support for encryption and signing (only)

This release adds support for SMBv3 with the 3.0.0 dialect. Also supports scan to encrypted SMBv3 shares.

5. Display installed SFR Keys on device printed and downloadable configuration sheet

With this release any installed SFR key will be displayed on the printed configuration report under the heading of "Special Features". The SFR key will also be displayed on the downloadable configuration report. This will enable the customer to know if any hidden features are enabled on the device. SFR key consists of 4-digit product-unique number which will be masked, 5-digit feature number, and 1-digit of feature enablement. Eg: ****456781.

6. Ability to strip domain info for SMB Authentication

This feature provides for the following ability for SMB authentication:

- Use the username only (the domain will be removed) in cases where the user specifies a user ID in NetBIOS format (i.e. domain/username).
- Use the user ID as entered by the user when user ID is in the sAMAccountName or? userPrincipalName format (i.e. username and username@domain).

The following keys are used to enable and disable this feature.

Product	Enablement Key	Disablement Key
VersaLink C405 (MFP)	*5002482911	*5002482910
VersaLink B405 (MFP)	*5003482911	*5003482910
WC 6515	*5005482911	*5005482910
VersaLink B7025,B7030,B7035	*5004482911	*5004482910
VersaLink C7020.C7025,C7030	*5014482911	*5014482910
VersaLink C505/C605 MFP	*5016482911	*5016482910
VersaLink B605/B615 MFP	*5020482911	*5020482910

NOTE:

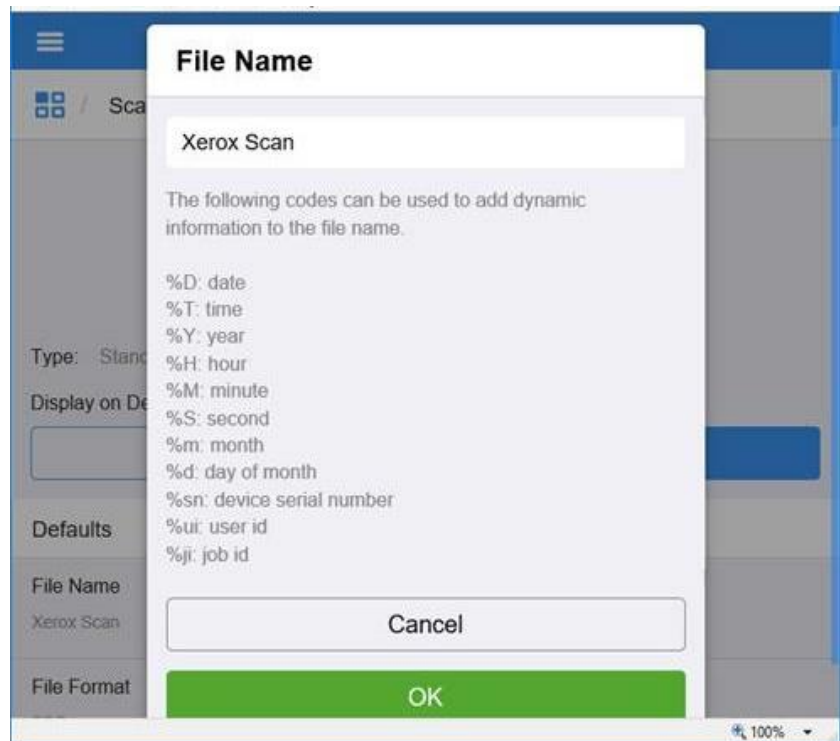
- Feature is not supported when using Kerberos tickets for SMB filing
- Feature is not supported when using Logged in user Credentials for SMB filing

7. Add dynamic data to Doc name

With this release the device support one or more codes for the dynamic data that is automatically added to the document name for all scan services (Scan To, Email, My Folder, USB). These codes can be entered by the User at time of scanning or set by the admin as part of the default file name on CWIS.

The following dynamic data codes are supported.

- a. %D date (YYYYMMDD)
- b. %T time (24 hour format)
- c. %Y year
- d. %H hour
- e. %M minute
- f. %S second
- g. %m month
- h. %d day of month
- i. %sn device serial number
- j. %ui user id
- k. %ji job id



8. Multi-Factor Authentication support when using @PrintByXerox

Supports Multi-Factor Authentication when using @PrintByXerox app with Azure AD credentials. The device will now support a confirmation pop-up for the MFA challenge if required by the MFA provider.

9. Enable Full UPN when authenticating using a Smartcard

This feature enables the Full UPN as defined in a Users LDAP directory to be used for the User's name. This feature requires an SFR Key to enable. Without this feature enabled VersaLink does not include the User's domain information in the UPN. The full UPN is needed for many third-party applications such as Follow You Printing.

The following keys are used to enable and disable this feature

	Enable	Disable
VersaLink C405 (MFP)	*5002484521	*5002484520
VersaLink C400 (Printer)	*5006484521	*5006484520
VersaLink B405 (MFP)	*5003484521	*5003484520
VersaLink B400 (Printer)	*5007484521	*5007484520
WC 6515	NA	NA
VersaLink B7025,B7030,B7035	*5004484521	*5004484520
VersaLink C7020/C7025,C7030	*5014484521	*5014484520
VersaLink C7000 (Printer Only)	*5015484521	*5015484520
VersaLink C505/C605 MFP	*5016484521	*5016484520
VersaLink C500/C600 (Printer)	*5017484521	*5017484520
VersaLink B605/B615 MFP	*5020484521	*5020484520
VersaLink B600/B610 (Printer)	*5021484521	*5021484520
VersaLink C8000/C9000	*5023484521	*5023484520
VersaLink C8000W	*5064484521	*5064484520

Note: To enable this feature in C8000W, minimum version required is 72.65.21 (PL7-R2) or higher.

Product Firmware Release xx.55.51

10. Modernized CAC Cards Support with CAC/PIV Rollover

The plugin provides support for new Common Access Cards with reduced / realigned certificate profiles including:

- A single certificate for each major PKI function: PIV-Auth for authentication, Signature for email and document signing, and Encryption for encryption.
- Addition of an asymmetric card authentication certificate (aCAK) for physical security.
- Elimination of the Identity certificate present on previous versions of the CAC card.

The following cards/tokens are now supported:

1. Giesecke + Devrient Mobile Security FIPS201 SmartCafe Expert 7.0 with HID Global ActivID Applet v2.7.5
ATR: 3b f9 18 00 00 00 53 43 45 37 20 03 00 20 46
2. Gemalto TOP DL V2.1 128K with HID Global ActivID Applet v2.7.4
ATR: 3B 7D 96 00 00 80 31 80 65 B0 75 49 17 0F 83 00 90 00

This release also provides ability to search through all certificates on the card and attempt authentication with each valid certificate that supports smartcard login before communicating failure to the end user.

Plugin Release Details

<u>Smartcard CAC-PIV Plugins</u>	Version
CCID_Terminal_Plug-in	1.0.0
Modernized_CAC_Smartcard_Service_Plugin	1.0.0

Note: These Smartcard plugins are newer than what is available on Xerox.com and requires system firmware version xx.55.51 or later to provide all functionality.

Product Firmware Release xx.54.21 (PL6-R2)

1. Disable XSM Folder

This feature provides for the ability to eliminate the XSM folder when scanning images that produces a single file for each image scanned in a job. When the feature key is enabled the system will store the files in the root folder as opposed to storing the images in an .xsm sub-folder.

The following keys are used to enable or disable the feature.

Product	Enablement Key	Disablement Key
VersaLink C405	*3002476371	*3002476370
VersaLink B405	*3003476371	*3003476370
VersaLink B7025, B7030, B7035	*3004476371	*3004476370
WorkCentre 6515	*3005476371	*3005476370
VersaLink C7020, C7025, C7030	*3014476371	*3014476370
VersaLink C505, C605	*3016476371	*3016476370
VersaLink B605, B615	*3020476371	*3020476370

2. Legacy FIPS 140-2 e-TYPES supported

This feature provides for the ability to perform Scan to Home when FIPS 140-2 is enabled using Legacy e-Types (FIPS Non-Compliant due to older Operating Systems)

The following keys are used to enable or disable the feature

Product	Enablement Key	Disablement Key
Xerox® VersaLink® B400	*5007477581	*5007477580
Xerox® VersaLink® B405	*5003477581	*5003477580
Xerox® VersaLink® B600 / B610	*5021477581	*5021477580
Xerox® VersaLink® B605 / B615	*5020477581	*5020477580
Xerox® VersaLink® B7025/30/35	*5004477581	*5004477580
Xerox® VersaLink® C400	*5006477581	*5006477580
Xerox® VersaLink® C405	*5002477581	*5002477580
Xerox® VersaLink® C500 / C600	*5017477581	*5017477580

Xerox® VersaLink® C505 / C605	*5016477581	*5016477580
Xerox® VersaLink® C7000	*5015477581	*5015477580
Xerox® VersaLink® C7020/25/30/35	*5014477581	*5014477580
Xerox® VersaLink® C8000/C9000	*5023477581	*5023477580
Xerox® VersaLink® C8000W	*5064477581	*5064477580

Note: To enable this feature in C8000W, minimum version required is 72.65.21 (PL7-R2) or higher.

3. Force Kerberos when SMB Scanning

This feature provides for the ability to perform scanning using Kerberos and not fall back to NTLM if it fails. Prior to this change, the device automatically would fall back (fail) and switch to NTLM

The following keys are used to enable or disable the feature

Product	Enablement Key	Disablement Key
Xerox® WorkCentre 6515	*5005477471	*5005477470
Xerox® VersaLink® B405	*5003477471	*5003477470
Xerox® VersaLink® B605 / B615	*5020477471	*5020477470
Xerox® VersaLink® B7025/30/35	*5004477471	*5004477470
Xerox® VersaLink® C405	*5002477471	*5002477470
Xerox® VersaLink® C505 / C605	*5016477471	*5016477470
Xerox® VersaLink® C7020/25/30/35	*5014477471	*5014477470

3. Subject Alternative Name (SAN) and Certificate Signing Request (CSR) file.

This SFR feature provides the ability to include a Subject Alternative Name (SAN) in the device generated Certificate Signing Request (CSR) file. A SAN is now included in the CSR by default. SANs are useful for certificates used in 802.1x network authentication. CSRs including SANs are also important for enabling automated Certificate Management Solutions. The advantage of a device generated CSR is that the private key remains on the device at all times, where an externally generated CSR would need to include the private key. See the table below for SFR keys to disable the feature. The most plausible reason to disable the SAN is if you are using a Commercial/Public CA and experience higher certificate costs with the SAN and you determine the SAN is not required.

Note: Ultimately it is up to Certificate Authority (CA) and its configuration whether or not the final signed certificate based on a CSR with a SAN actually includes the SAN in the final signed certificate. With this SFR enabled, the CA has the SAN available to it.

† Warning: Since the CSR SAN entry is now enabled by default, the SFR Key ending in 1 disables the new CSR SAN Feature. That is, the purpose of the key is to allow for disablement of the CSR SAN entry. This may be opposite many SFR Keys where 1 enables the new feature that in many other cases is off by default. Another way of thinking of it is that the Enablement Key is provided to change the default behavior.

Product	†Enablement Key	†Disablement Key
VersaLink C405	*3002475651	*3002475650
VersaLink C400	*3006475651	*3006475650
VersaLink B405	*3003475651	*3003475650
VersaLink B400	*3007475651	*3007475650
WorkCentre 6515	*3005475651	*3005475650
Phaser 6510	*3008475651	*3008475650
VersaLink B7020/7030/7035	*3004475651	*3004475650
VersaLink C7020/7025/7030	*3014475651	*3014475650
VersaLink C7000	*3015475651	*3015475650
VersaLink C605/C505	*3016475651	*3016475650
VersaLink C600/C500	*3017475651	*3017475650
VersaLink B605/B615	*3020475651	*3020475650
VersaLink B600/B610	*3021475651	*3021475650
VersaLink C8000/C9000	*3023475651	*3023475650
VersaLink C8000W	*3064475651	*3064475650

Note: To enable this feature in C8000W, minimum version required is 72.65.21 (PL7-R2) or higher.

4. Add C5 envelope to media list.

“C5 Envelope” is now included in the tray media pull down list when devices are configured for Metric Units.

5. Various Bug Fixes

- Printer no longer locks up when connected to certain network segments due to malformed DHCPInform packets.
- Device now displays correct IP number on the UI when WI-FI is the primary network.
- Email app displays special characters when language is Spanish or German.
- Email app ‘To Address’ is displayed correctly when language is set to Russian, Poski, or Croatian.
- Several fixes related to Arabic language:
 - Right to left text display for Arabic within the Web UI.
 - Email addresses in the address book are now displayed correctly when the default language is Arabic.
- Logout and Login security improvements when using SmartCard authentication.

Product Firmware Release xx.52.1 (PL6-R1)

1. Improved ECHDE Ciphers

The ECHDE Ciphers have been improved and resolves an issue that results in failed login with W2K16 or scan to email failures. The problem only occurred when the ECHDE feature was enabled. See section xx.43.x1 item 2 for ECHDE Cipher enablement details.

2. Improvements to fix fault 77-101 jams

Jam and fault 77-101 no longer occurs when copying an odd number of originals via the DADF and using the 1-2 side selection.

3. JBA Data Management Improvements

Improvements have been made to Job Based Accounting to ensure data that has been pulled from the device is correctly cleared and not pulled again.

Product Firmware Release xx.50.61 (NW 1.4 PL6)

1. USB Ports Power in Sleep Mode

This release completes the implementation across the remaining VersaLink products that allows the System Administrator the ability to keep the USB Type A ports awake while the device is in Sleep Mode. This allows USB accessories connected to the USB ports to function when the device goes to sleep such as:

- USB Smart Card readers can access and read the card, wake the device and login the user when a smart card is inserted.
- USB Proximity Card readers can read the card, wake the device and login the user when a Prox card is swiped.
- USB flash drive insertion can wake the device and display the “USB Drive detected” screen.

To activate: Login remotely to the device as System Administrator, navigate to System / Power Saver / Power Saving and select “Keep USB Ports Awake”, select “OK”.

Affected Products:

Model Name:
Xerox® VersaLink® B400 / B405
Xerox® VersaLink® B600 / B605 / B610 / B615
Xerox® VersaLink® B7025 /30/35
Xerox® VersaLink® C400 / C405
Xerox® VersaLink® C500 / C505 / C600 / C605
Xerox® VersaLink® C7000 / C7020 /25/30

2. Updates to comply with 2020 California Password law SB-327

This software release supports the California password law SB-327 effective January 1, 2020.

Upgrading existing devices to this release will have no impact on the default administrator password.

In the event a Reset to Factory Defaults operation is performed on a device after installing this release, the changes incorporated to support SB-327 will become effective, and the default administrator password for the device will be the device serial number. This is a case sensitive password.

3. Additional Language Support (Arabic)

Arabic language is now supported on the Versalink devices.

4. Energy Star 3.0 Support

Energy Star -This software release ensures our products will continue to meet Energy Star. Energy Star 3.0 means more stringent power efficiency and conservation requirements and is going into effect October,2019. This software release provides the necessary updates to meet these new specifications.

Product Firmware Release xx.45.61 (PL5-R2)

1. Additional Audit Log Events

More events for security and other settings are available in the device's Audit Log.

2. Keep USB Type A ports enabled in Sleep Mode

This release allows the System Administrator the ability to keep the USB Type A ports awake while the device is in Sleep Mode. This allows USB accessories connected to the USB ports to function when the device goes to sleep such as:

- USB Smart Card readers can access and read the card, wake the device and login the user when a smart card is inserted.
- USB Proximity Card readers can read the card, wake the device and login the user when a Prox card is swiped.
- USB flash drive insertion can wake the device and display the "USB Drive detected" screen.

To activate: Login remotely to the device as System Administrator, navigate to System / Power Saver / Power Saving and select "Keep USB Ports Awake", select "OK".

Affected Products:

Model Name:	
Xerox® VersaLink® B400 / B405	
Xerox® VersaLink® B600 / B605 / B610 / B615	Availability in future release
Xerox® VersaLink® B7025 /30/35	
Xerox® VersaLink® C400 / C405	
Xerox® VersaLink® C500 / C505 / C600 / C605	Availability in future release
Xerox® VersaLink® C7000 / C7020 /25/30	

3. Ability to query LDAP server for user email address with Smartcard Authentication

Users were not receiving their scan to email because the email address was not valid.

There was a valid email address on the LDAP server, but the device could not be configured to query the server when using smartcard authentication.

The device obtains the user's email address from the Smartcard by default.

The device can now be configured to pull email address from the LDAP server instead of from the smartcard.

When the "Enablement Key" is applied, the device will obtain the user email address from LDAP server. The "Disablement Key" will restore the default condition.

Affected Products: All Xerox® VersaLink® Multifunction Device models.

Feature Enablement Instructions:

1. On the device's Embedded Web Server select System-> Security-> Feature Enablement
2. Enter correct enable/disable code from table below.

Requirements:

- LDAP contains the user's email address and the public key encipherment certificate contains the same email address.
Or
- LDAP contains the user's email address and the public key encipherment certificate contains a *blank* email address.

If the email address embedded in the public key encipherment certificate does *not match the user's email address on LDAP*; then the following will occur:

- Job will display on UI as complete with error code 027-708.
- The email body is blank.
- The email has no attachment.

The Feature keys are as follows: (include * character when entering)

Product Model	Enablement Key	Disablement Key
Xerox® VersaLink® B405	*3003461861	*3003461860
Xerox® VersaLink® B605 / B615	*3020461861	*3020461860
Xerox® VersaLink® B7025/30/35	*3004461861	*3004461860
Xerox® VersaLink® C405	*3002461861	*3002461860

Xerox® VersaLink® C505 / C605	*3016461861	*3016461860
Xerox® VersaLink® C7020/25/30/35	*3014461861	*3014461860
Xerox® Phaser® 6510 / WorkCentre 6515	*3005461861	*3005461860

4. SNMP / MIB Language

In software releases prior to xx.43.x1, the MIB language matched the language selected on the Local UI. This may cause issues for some remote management utilities when the device's local UI is set to a language other than English. In this release the MIB language setting is now independent of the Local UI language selection. The default language for the MIB is English and remains so regardless of the Local UI language selection.

The MIB language can be set independently if desired to a language other than English via the **prtGeneralCurrentLocalization.1** OID. As with the default setting, the MIB language set via the **prtGeneralCurrentLocalization** OID will remain independent of the Local UI language setting. The **prtGeneralCurrentLocalization** setting can be cloned when a clone file category "Defaults and Policies" is selected when creating the clone file.

5. Other fixes in this release

- Unable to log into printer webui as admin when connected with Google Chrome version 74.0.3729.131.
- When a DADF jam occurs during Twain scanning, the PC locks up.
- Unable to browse Webpage of VersaLink devices via DNS name if CSRF Protection feature is enabled.

Product Firmware Release xx.43.1 (PL5-R1)

1. SNMP / MIB Language

In prior software releases the MIB language matches the language selected on the Local UI. Some issues have arisen in the field with XDM and XSM (Xerox Device Manager, Xerox Supplies Manager) software when a device's local UI is set to a language other than English. In this release the MIB language setting is independent of the Local UI language selection. The default language for the MIB is English and remains so regardless of the Local UI language selection. The MIB language can be set independently if desired to a language other than English via the **prtGeneralCurrentLocalization.1** OID. As with the default setting, the MIB language setting will remain independent of the Local UI language setting. The **prtGeneralCurrentLocalization** setting can be cloned when a clone file category "Defaults and Policies" is selected.

2. ECDHE Cipher additions

This release adds support for the following ECDHE ciphers:

TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
 TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA
 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256
 TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384
 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
 TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384

These ciphers can be used by any TLS communication supported by the device including the embedded web server, EIP and the XCP Plugin server communications.

These ciphers are not available for use by the EWS or EIP until a Feature Enablement Key is entered.

These ciphers are available to the XCP Plugin server as soon as the XCP Plugin server feature is enabled regardless of Feature Enablement Key entry.

The key codes below enable these ciphers. When the "Enablement Key" is applied, the ciphers are available. The "Disablement Key" will restore the default condition, i.e. ciphers are not available.

Feature Key Instructions:

1. On the device's Embedded Web Server select System-> Security-> Feature Enablement
2. Enter correct enable/disable code (include the * character)

The Feature keys are as follows:

Product Model	Enablement Key	Disablement Key
Xerox® VersaLink™ C405	*3002452891	*3002452890

Xerox® VersaLink™ C400	*3006452891	*3006452890
Xerox® VersaLink™ B405	*3003452891	*3003452890
Xerox® VersaLink™ B400	*3007452891	*3007452890
Xerox® VersaLink™ C7020/C7025/C7030	*3014452891	*3014452890
Xerox® VersaLink C7000	*3015452891	*3015452890
Xerox® VersaLink C505/C605	*3016452891	*3016452890
Xerox® VersaLink C500/ C600	*3017452891	*3017452890
Xerox® VersaLink™ B605/B615	*3020452891	*3020452890
Xerox® VersaLink™ B600/B610	*3021452891	*3021452890
Xerox® WorkCentre 6515	*3005452891	*3005452890
Xerox® Phaser 6510	*3008452891	*3008452890
Xerox® VersaLink™ B7025 / B7030 / B7035	*3004452891	*3004452890
Xerox® C8000 / C9000	*3023452891	*3023452890
Xerox® C8000W	*3064452891	*3064452890

Note: To enable this feature in C8000W, minimum version required is 72.65.21 (PL7-R2) or higher.

3. Scan to email (Gmail)

Addressed a scan to email (GMAIL) issue that could result in error 027-773 or 016-781 when the scan job consisted of multiple pages.

4. Faxing of 8.5X11 LEF

Fax send size detection issue where a LEF 8.5X11 sheet may be detected as 11X17 has been resolved.

5. IPsec enabled in Windows 10 Client

When IPsec is enabled, a Windows 10 client is now able to upgrade the printer.

Product Firmware Release xx.42.1 (NW 1.3 PL5)

This is a General Release. For more information on other features, refer to the User Manuals and the System Administration Guides on Xerox.com.

1. Improved existing Audit Log Events

Information about security settings in the device's Audit Log have been improved to include the name of the logged in user who changed the setting, identify when a security setting has been enabled or disabled, and identify what the final setting of the feature is.

2. Remote Control Panel

The Remote Control Panel feature is a way to gain access remotely into the device's Local UI. This feature can help the administrator troubleshoot the device from their PC. The Remote Control Panel can also be used to train users or simply walk them through a workflow. The Remote Control Panel feature is accessed from the Embedded Web Services (EWS). Simply open the Embedded Web Services for the device on your computer by entering the device IP address in the address bar of your web browser and select [Enter]. By default, this feature is disabled. Please refer to the System Administrator Guide located on Xerox.com for instructions on how to enable the feature. If the Remote Control Panel icon is not immediately visible after upgrade, perform a browser hard refresh (refer to instructions for your specific browser)

Note: This feature is available on all products except Phaser 6510. More information can be found in the System Administrator Guide located on Xerox.com.

3. Additional Language Support (Ukrainian and Croatian)

Additional language support for Ukrainian and Croatian in the Walk-up UI and the WebUI

4. Server Fax

Server Fax is now supported. Server fax allows you to send a fax over a network to a fax server. The fax server sends the fax to a fax machine over a phone line. Server fax supports FTP, SFTP, SMB, SMTP for transport types.

5. Secure Scanning Workflows

Secure scanning and browsing is added using the Secure FTP (SFTP) protocol (also referred to as SSH (Secure Socket Shell) File Transfer Protocol). SFTP ensures that data is encrypted and transferred securely over the network. SFTP support is added to the Scan To App for Browsing, Scan using Address Book Contacts, Server Fax, and EIP Scan Templates/Tickets, Scan Template Pool Repository, and Scan File Repositories.

6. Show Supported Media Sizes

This release adds the ability to show and select from the available media sizes from tray 1, improved from the existing state of only allowing for Auto Select or Custom sizes.

7. Device Alert Sounds

This release adds support for remotely configuring and managing the device Alert sounds. This includes granular controls for enable/disable of sounds as well as various audible functions in the device such as mobile connections, job completion, UI touches, logins, errors, and fax processing and ring tones. Additional details can be found in the System Administrator Guide located on Xerox.com.

8. System Alert Notifications for Firmware Updates

This release improves the software update notification system in place on VersaLink devices, adding top level UI notifications when the device detects that a firmware update is available.

9. Displaying the IPv4 Address on the Home Screen

This release adds support for displaying the device's IPv4 address on the home screen of the local UI. Additional details can be found in the System Administrator Guide located on Xerox.com.

Product Firmware Release xx.35.32

1. Enablement of Server Name Indication (SNI) on Versalink

Enablement of Server Name Indication (SNI) on Versalink as required by connector applications (DropBox, OneDrive, Office365, Blackboard, @PBX APP, @PrintByXerox).

Note: Enabled by default, no user interface to enable/disable.

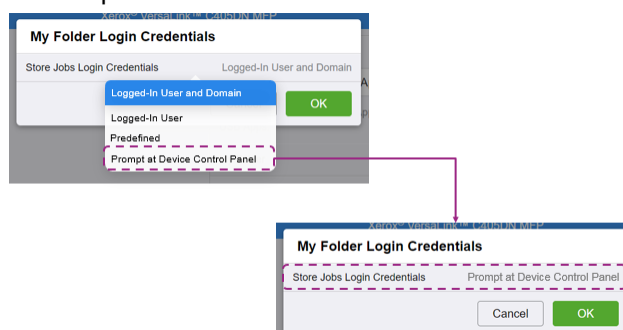
2. Prompt at Device Control Panel

Prompt at Device Control Panel feature is now available for a User to enter when scanning to their Home Folder (My Folder).

- Prompt at Device Control Panel Setup

Go to **Apps, Scan To, My Folder Login Credentials**

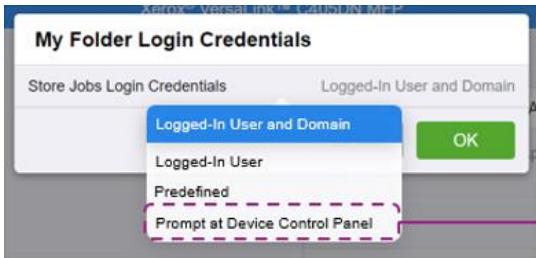
Select Prompt at Device Control Panel as shown below. Select OK.



- When a User now performs a **Scan To Home or My Folder** job they will be prompted for login credentials as shown below. Password must be input for every scan.



Note: All translations of the Prompt at Device Control panel feature are not 100% correct. However the Prompt at Device Control panel selection will always be the bottom selection in the My Folder Login Credentials pulldown menu as shown below.



3. Print Configuration reports as Admin Under Smart Card Authentication

From the VersaLink front panel, “admin” users are now able to print Information and Support reports even when smart card Authentication is enabled.

Product Firmware Release xx.35.1 (PL4-R3)

1. Email addresses containing apostrophe in name

Fixed the issue to populate the email address in the 'To' field of users with an apostrophe in their name while using LDAP search at the printer control panel.

2. Fault 018-505 SMB-DOS Protocol error with Scan to Home & CAC

Scan to Home no longer fails with a 018-505 SMB-DOS Protocol Error when a DNS PTR Record does not exist for the destination Server that houses the CAC/Smartcard User's Home Directories.

Product Firmware Release xx.34.1 (PL4-R2)

1. Error message 016-404 displayed after 802.1x authentication renewal

The problem causing this customers occurrence of fault 016-404 after 802.1x authentication renewal has been fixed.

2. XML Configuration Report translate into international languages.

When the device Local UI language is changed, the XML Configuration Report will mirror the Local UI language. The XML Configuration Report is accessible to System Administrators at the bottom of the Web UI Home screen page. The Configuration Report is in XML format that can be easily viewed using any XML viewer such as Microsoft XML Notepad, a direct Microsoft download at <https://www.microsoft.com/en-us/download/confirmation.aspx?id=7973>.

3. Changed Fax Forward setting when convenience authentication enabled.

When convenience authentication is enabled, Fax Forwarding settings can now be set and saved properly from the local user interface.

4. Logged in user unable to delete their own jobs from LUI

A user logged with a convenience authentication system can now delete their own jobs from LUI. Once the user logs in, navigates to the applications print screen and releases their job to the printer job queue, the delete button is now operational.

Product Firmware Release xx.33.1 (PL4-R1)

1. Google Cloud Print does not require a restart to freshen the jobs queue

Once Google Cloud Print is installed and registered, printer remains online. Machine will print jobs as they are queued on the printer. No restart is required to continue refreshing the printer queue on device.

2. Display performance on Local UI when searching the Address Book

Address book will no longer display "search failed" as letters are entered when the device receives a large number of results.

3. Caveat: USB may not be recognized on Win7.x/8.x after upgrade

A device connected to a PC running Windows 7 or 8 with a USB cable may experience an issue of the device not being recognized by the PC. This issue is not expected to occur on PCs running Windows 10. After upgrading to the release, the PC may need to update the USB driver and reassign it to the USB Composite Device driver.

Customers may check if this issue is being seen on their Windows 7.x/8.x workstations by following these steps:

1. Open [Control Panel] on the Windows 7.x/8.x Workstation
2. Customers can determine if their PC has this issue by checking the Universal Serial Bus controllers section of Device Manager
3. Depending on your version of Windows, Control Panel is usually available from the [Start Menu] or [Apps] Screen. Otherwise, follow the notes below depending upon the operating system used.

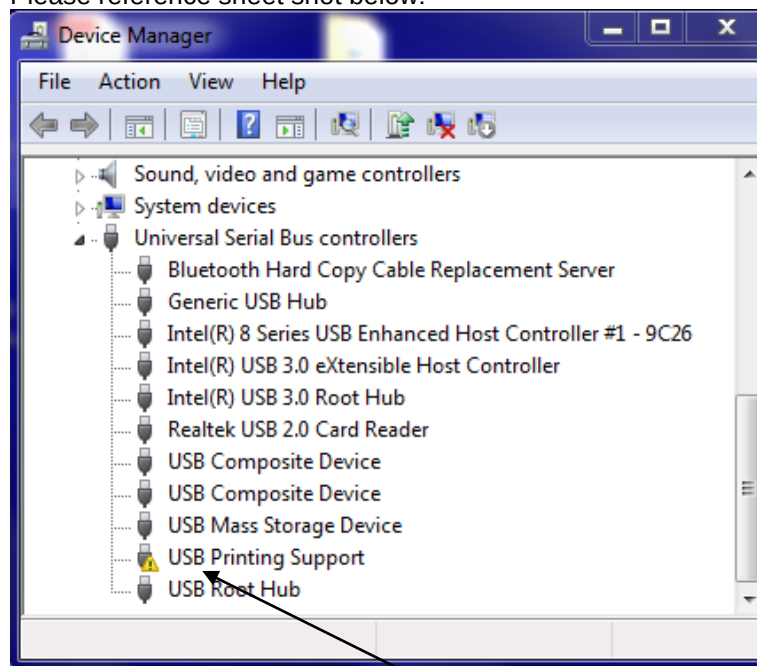
Note #1: Windows 8.x → In Windows 8, tap or click on the **Hardware and Sound** link. You could also jump right to Device Manager through the Power User Menu and not have to go through Control Panel.

Note #2: Windows 7.x → In Windows 7, look under [System]

4. Select the **[Hardware]** tab, and then click the **[Device Manager]** button.

With Device Manager now open, you can now view the list and select [Universal Serial Bus controllers] to identify if the problem is being seen on the Windows Workstation.

Please reference sheet shot below:



Note: Customers who have a **Yellow Warning!** next to the USB Printing Support will need to Right Click on the USB Printing Support line and select Update Driver Software.

Product Firmware Release xx.31.81 (NW 1.2 PL4)

1. USB Scanning added for Versalink A4 MFP devices

This change allows users the ability to scan directly to a PC or Mac when connected to the device via USB cable. It requires the new scan drivers that are currently available here:

[Windows Scan driver](#)

[Mac Scan Driver](#)

2. Cloning Webservice

VersaLink devices will now accept clone files from CentreWare Web via a Cloning WebService with Administrator credentials. This CWW functionality is available in the CWW release 6.0.6 or higher which can be downloaded from Xerox.com.

NOTE: This functionality should be used with CentreWare Web Release 6.0.6 or higher.

3. XML Configuration Report

VersaLink device Administrators will be able to download the Configuration Report in XML format. This capability is on the WebUI under Home, Download Configuration Report. NOTE: XML Notepad can be used for viewing the XML Configuration Report. A direct Microsoft download link is below:

<https://www.microsoft.com/en-us/download/confirmation.aspx?id=7973>

4. WPA2 - KRACK Vulnerability Addressed

The serious weaknesses in WPA2-supplement, a protocol that secures all modern protected Wi-Fi networks, has been identified and fixed in this release. No longer can an attacker exploit these weaknesses using key reinstallation attacks (KRACKs) to the Xerox Printers.

Product Firmware Release xx.21.41 (NW 1.1 PL3)

1. ThinPrint

ThinPrint is a Third Party solution that saves network bandwidth by allowing print data to be compressed at the server and decompressed at the Print device before being printed out on a printer. The ThinPrint solution also supports print data encryption prior to sending to the print device. Xerox has added the ability to accept this compressed (and encrypted if configured) print data, process the Thin Print data, and print.

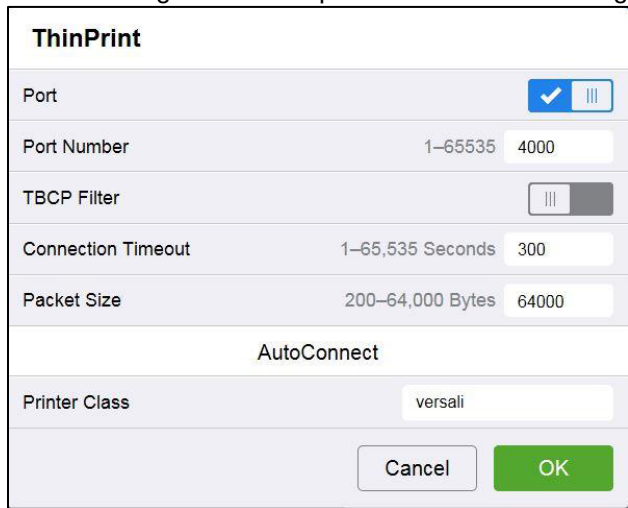
Note: Xerox devices must be equipped with a hard drive or solid-state drive to utilize the ThinPrint feature.

ThinPrint WebUI



Once the ThinPrint Protocol is enabled, the Admin has access to the settings below. The port must be enabled. The default port number for ThinPrint communication is 4000.

Note: Although a different port number can be configured. It is important not enter a port number that is already in use.

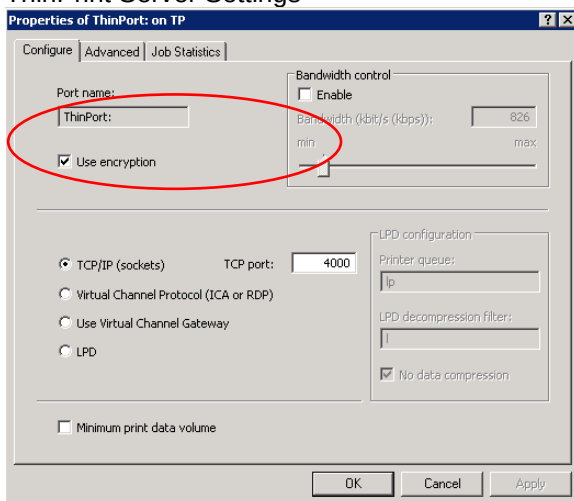


The ThinPrint configuration dialog box has a title bar "ThinPrint". It contains several settings: "Port" with a status icon (checkmark and three bars), "Port Number" with a range "1-65535" and a value "4000", "TBCP Filter" with a status icon (three bars), "Connection Timeout" with a range "1-65,535 Seconds" and a value "300", and "Packet Size" with a range "200-64,000 Bytes" and a value "64000". Below these is a section titled "AutoConnect" containing a "Printer Class" dropdown menu with the value "versali". At the bottom are "Cancel" and "OK" buttons.

ThinPrint requires a certificate to be loaded on the device when running with TLS encryption. This is located in System Security SSL/TLS Settings

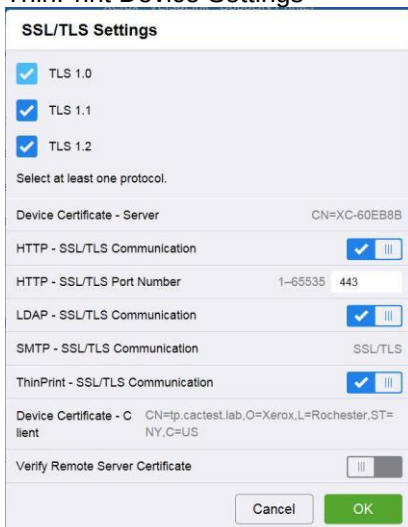
Note: The ThinPrint Engine/Server output queue and the Xerox device ThinPrint settings must both be set to TLS encryption for print jobs to be encrypted (see more below).

ThinPrint Server Settings



The "Properties of ThinPort: on TP" dialog box has three tabs: "Configure", "Advanced", and "Job Statistics". The "Configure" tab is active. It contains a "Port name:" field with the value "ThinPort:" (circled in red), a "Use encryption" checkbox (checked), a "Bandwidth control" section with an "Enable" checkbox (unchecked) and a "Bandwidth (kbit/s (kbps))" slider (set to 826), and an "LPD configuration" section with a "Printer queue:" field (set to "lp"), an "LPD decompression filter:" field (set to "l"), and a "No data compression" checkbox (checked). At the bottom are "OK", "Cancel", and "Apply" buttons.

ThinPrint Device Settings



The "SSL/TLS Settings" dialog box has a title bar "SSL/TLS Settings". It contains several settings: "TLS 1.0", "TLS 1.1", and "TLS 1.2" checkboxes (all checked), a "Select at least one protocol." label, a "Device Certificate - Server" field with the value "CN=Xc-60EB8B", an "HTTP - SSL/TLS Communication" checkbox (checked), an "HTTP - SSL/TLS Port Number" field with a range "1-65535" and a value "443", an "LDAP - SSL/TLS Communication" checkbox (checked), an "SMTP - SSL/TLS Communication" checkbox (checked), a "ThinPrint - SSL/TLS Communication" checkbox (checked), a "Device Certificate - Client" field with the value "CN=tp.cactest.lab,O=Xerox,L=Rochester,ST=NY,C=US", and a "Verify Remote Server Certificate" checkbox (unchecked). At the bottom are "Cancel" and "OK" buttons.

Caveats:

- Unencrypted print jobs from the server will not be accepted by ThinPrint protocol when TLS encryption is enabled on the print device.
- Cloning of the ThinPrint settings is not supported.
- Use of MIBS / OID string commands for ThinPrint settings is not supported.
- Audit Logging of the ThinPrint enablement / configuration is not supported.
- Thin Print may require the use of TLS 1.0 for encrypted job communication.
- Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

2. Auto-populate the realm on walk-up UI

This release will automatically populate the default realm for walk-up users authenticating with Kerberos or SMB, allowing other pre-configured realms to be selected from a menu on the local user interface. The preconfigured menu will hold up to 50 Kerberos realm names or 5 SMB realm names which can be populated through the Authentication setup menu in the Embedded Web Server.

Note: An error message will appear on the walk-up UI if a user enters their fully qualified (username@realm) instead of just their username.

Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

3. Eliminate thumbnail on fax confirmation sheet

The key codes below provide the ability to turn on/off the fax image that is printed on the fax confirmation sheet. The fax image is printed on the confirmation sheet by default. When the “Enablement Key” is applied, the faxed image will be suppressed. The “Disablement Key” will restore the default condition, displaying the fax image.

Feature Key Instructions:

1. On the device's Embedded Web Server select System-> Security-> Feature Enablement
2. Enter correct enable/disable code (include the * character)

The Feature keys are as follows:

Product Model	Enablement Key	Disablement Key
Xerox® VersaLink® B405	*3002333081	*3002333080
Xerox® VersaLink® C405	*3003333081	*3003333080
Xerox® VersaLink® B7025/30/35	*3004333081	*3004333080
Xerox® VersaLink® C7020/25/30/35	*3014333081	*3014333080
Xerox® WorkCentre® 6515	*3005333081	*3005333080

4. Remove embedded web server support for 3DES cipher suite (Sweet32)

Sweet32 is the name of an attack that takes advantage of design weaknesses in a cipher known as 3DES, or Triple-DES. Fortunately, successfully carrying out the TLS variant of the Sweet32 attack requires a very particular set of capabilities on the part of the attacker. The attacker needs to keep the victim on the web page for days, in order to execute a practical attack; researchers found that up to 785 GB of data transfer is required.

Xerox has removed this cipher from the web server components of these products, removing the possibility of an attack via the embedded web interface.

5. Default output tray setting for copy job

This feature addresses an issue for devices with the optional Office Finisher LX installed. Copy jobs without finishing options selected were limited to output the job to the Center Output Tray where offsetting cannot be performed. A new Admin accessible setting is available on the Embedded Web Server (EWS) to default copy job output to the finisher tray. This provides the ability to offset the sets with or without finishing options selected.

To change the setting:
 Open EWS of the device and log in as admin.
 Select Apps > Copy
 Select General Settings and Policies
 Select Output Destination
 Selections are “Center Output Tray” (default) or “Right-Side Output Tray” (finisher).

Figure 1: Output Destination shown when optional **Office Finisher LX** is installed.

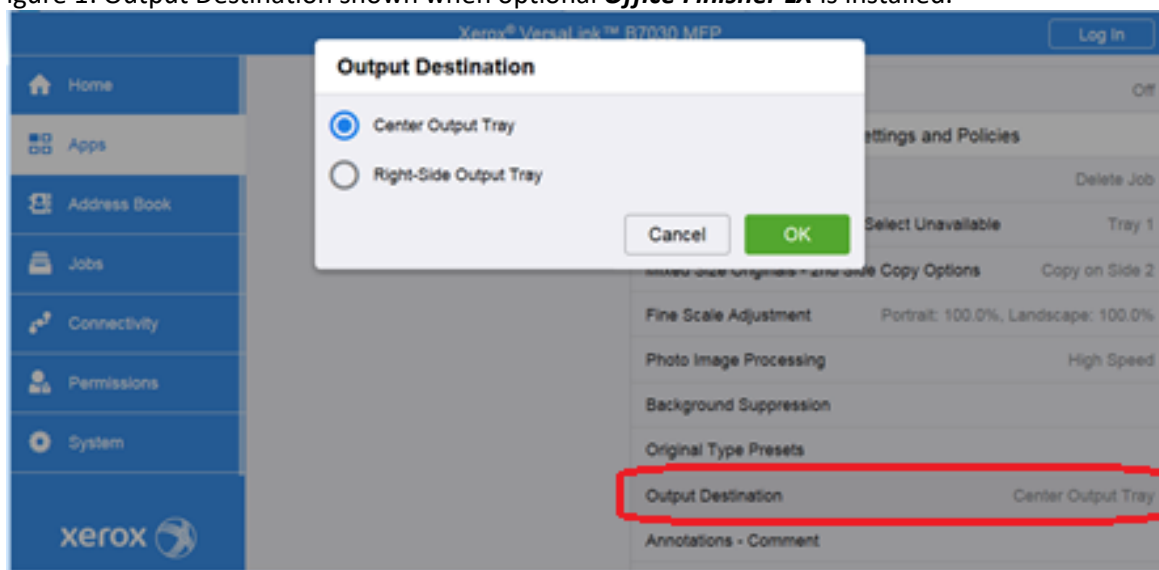
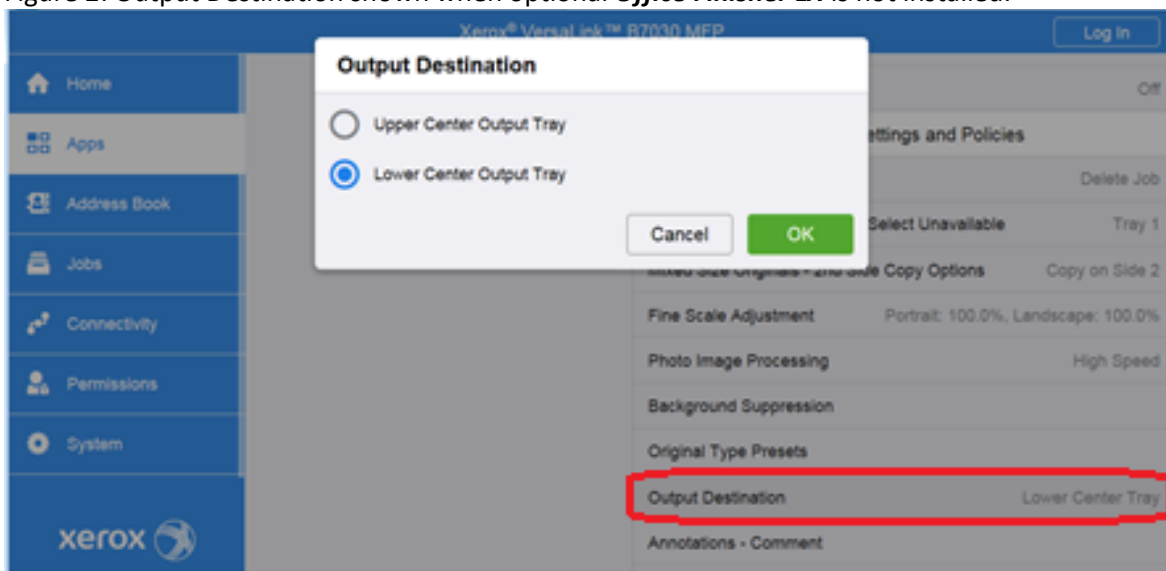


Figure 2: Output Destination shown when optional **Office Finisher LX** is not installed.



Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

6. One-Touch Feature Enhancement

This update expands the capabilities of One Touch features, allowing users to create, edit, and share one-touch “apps” that save and simplify complicated or lengthy workflows that customers may need to do frequently. Once created this app will appear and behave similarly to native device apps and functions. Creation of one-touch apps is simple, with a new option presented within app menus that allow for settings and control for a function to be saved. Once saved, the new one-touch app appears at the LUI like other native functions, and can be edited later if desired. One-touch apps can be shown for all users, user groups, or just the creator of the one touch app. This app can be cloned and shared, and supports personalization and customization.

Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

7. Personal Favorites

This update adds enhancements to the personalization and customization functions that allow users to customize and save individual application settings and contacts to individual user accounts. This allows users to streamline and customize their user experience by saving frequently used options, hiding unused features and functions, and providing an overall more efficient streamlined user experience. Frequently used contacts and destinations can be prioritized and saved, specific to the individual user. With the addition of one touches, and the already present UI customization and personalization options, this provides a best in class user experience for these devices.

Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

8. SNMPv3 FIPS 140-2 mode support

FIPS 140-2 approved security protocols have been added to SNMPv3 enabling its use in FIPS 140-2 mode without an exception. This enhancement provides an overall improvement to device security and management compatibility within secure environments.

Not applicable to Xerox® Phaser® 6510, Xerox® WorkCentre® 6515

9. Simultaneous HTTP and HTTPS Support

HTTPS connectivity is now available, using default, self signed certificates without a user having to enable and configure HTTPS, similar to operation of AtlaLink devices. This will allow HTTPS connections, as well as services and functions that depend on and require HTTPS functionality to work seamlessly without the extra step of enabling HTTPS and configuring certificates. Devices will still have the ability to enforce HTTPS ONLY connections by disabling insecure HTTP.

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Document Version: 1.0