

JWOS and WX Client Quick Start



A WXC3400, WXC2600, or WXC590 can be upgraded from WXOS 5.6.5 or later to JWOS 6.0 or later. JWOS provides a WX client that can be installed on Windows 2000 or Windows XP platforms to accelerate application traffic between the WXC device, typically installed in a data center, and the remote Windows platforms.

Before You Begin

- Verify that UDP and TCP ports 3577, 3578 and 3579 are open on all firewalls between the WXC and the WX clients. These ports also must be open on the personal firewall of the Windows machines running the WX client.
- Verify that all JWOS users, including Windows WX client users, have Microsoft Internet Explorer 6 or 7.0, or Firefox 3.0. The WX client also has the following requirements:
 - Windows XP Professional SP2 (32 bit) or Windows 2000 Professional SP4, (32 bit)
 - CPU Pentium M class or higher, 1.5 GHz minimum
 - 2 GB or more of free disk space
 - 1 GB or more of RAM
- Obtain a JWOS license key (the WXOS and JWOS license keys are not compatible). The license key determines the throughput levels for the device, and the maximum number of concurrent WX clients. To obtain a permanent license key, go to:

http://www.juniper.net/generate_license

If you operate the platform at its base speed, only the serial number is needed to generate a permanent license. If you purchased license upgrades, you will need the Authorization Code Certificate that was emailed to you in PDF format.

If you have any problems with the licensing process, open a support case using the Case Management link at:

<http://www.juniper.net/support/>

To call from the United States, Canada, or Mexico, dial 1-888-314-JTAC. To call from other locations, dial 1-408-745-9500 or check the list of local support centers at:

<http://www.juniper.net/support/requesting-support.html>

Upgrading to JWOS

To upgrade from WXOS to JWOS:

1. Download the JWOS software image from the following website to a local disk or an FTP server in your network. Do NOT load the image on a TFTP server.

<http://www.juniper.net/customers/csc/software/>
2. Use a web browser to log in to the WXC device to be upgraded, and select **Help > About** to verify that WXOS 5.6.5 or later is running.
3. To save the current WXOS configuration (recommended), click **Admin** in the taskbar, specify a FTP or TFTP server, and click **Save**.
4. If you have a permanent WXOS license, select **Device Setup > Basic > License Key** and copy the value in the License Key field to a text file in an external location. You will need the license key if you decide to reload WXOS.
5. Select **Admin > Tools > Diagnostics File**, click **Download**, and save the diagnostic file to an external location. The diagnostic file will be very useful to Technical Support if any problems occur during the upgrade.
6. Select **Admin > Load Boot Image**. On the Load Boot Image page, select the source of the JWOS image (Local Disk or FTP server), specify the image location and file name, and click **Load**. Loading the JWOS image may take several minutes. DO NOT close the browser or navigate to another screen. The message ACPI: Unable to locate RSDP is displayed for a few minutes and can be ignored.
7. After the JWOS image has loaded successfully, select **Admin > Reboot**, and click **Reboot**.
8. Allow about five minutes for the WXC to reboot, and then access the device again, and log in using **admin** and **juniper** for the user name and password.
9. Click **Next** on the Welcome page of the Quick Setup Wizard.
10. Change the interface settings, if needed, and click **Finish**. Note that the bridge interface connects the Local LAN-side interface to the Remote WAN-side interface. You can configure the management interface to manage the device (see the *WX Administration Guide*), or simply use the bridge interface.

Installing the WX Client

The following procedure describes how to download the WX client from a JWOS device. To distribute the WX client using the Juniper Networks Secure Access (SA) gateway or a Microsoft System Management Server (SMS), see the *WX Administration Guide*.

To configure the JWOS device before downloading the WX client:

1. Select **WX Clients > Client Image Download**, and verify that the **Allow WX Client image download** checkbox is selected. You can also specify a name and password that users must enter to download the client.
2. Select **WX Clients > Client Adjacency**, and verify that the **Allow adjacency with WX Clients** checkbox is selected.
3. Select **Acceleration > Applications**, and review the acceleration, compression (NSC), and monitoring services applied to each predefined application. Select **Acceleration > Definitions** to review the application definitions.
4. Select **WX Clients > Load Client Configuration**, and click **Load** to generate a WX client configuration based on the device startup configuration.

If you change the application definitions, or the services applied to them, be sure to save the changes and regenerate the WX client configuration. Users must download the WX client each time the acceleration policies change.

To download the WX client:

1. On a workstation running a 32-bit edition of Windows 2000 or Windows XP, enter the following URL in a supported Web browser:

<https://IP address of JWOS device/client>
2. Enter the username and password, if needed, and click **Login**.
3. Select **Install Now**, and, if necessary, click **Install** in the Security Warning dialog box. Note the following:
 - If the Windows Firewall is enabled, click **Unblock** when prompted to allow the WX client to accept external connections.
 - If you are prompted to stop the Network Connect client, click **OK** and restart the Network Connect client after the WX client is installed.
 - If Windows does not have the required service pack, the WX Client Download Status page remains open and the installation is not completed.

4. If the client is installed over a dial-up modem, you are prompted to reboot the system; otherwise, the WX client starts automatically, and the WX icon is shown in the system tray in the lower-right corner of the Windows desktop. Traffic acceleration starts automatically when remote JWOS devices are discovered. No additional configuration is necessary.
5. In the WAN Acceleration Client window, click the arrowhead icon and select **Help > Help Topics** to open the *WX Client User's Guide*.

Where to Go Next

Please refer to the *WX Administration Guide* for more information about managing JWOS devices. The latest JWOS documentation can be found at:

<http://www.juniper.net/techpubs/hardware/wx>

The latest JWOS Release Notes can be found at the Juniper Customer Support Center website (requires customer login):

<https://www.juniper.net/customers/csc/software/appaccel/wxseries>