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# WANJet® Appliance CompactFlash Card and BIOS Upgrade Instructions

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PRM-0010-01

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## Product Version

This document applies to the WANJet 400 and WANJet 500 hardware platforms created by F5 Networks, Inc.

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This document describes how to upgrade the WANJet 400 and WANJet 500 appliances that are currently running version 4.2.x/4.3 to version 5.x.

## Before you begin the upgrade procedure

Before you start the upgrade procedure, make a note of the base registration key of the WANJet appliance you are upgrading. The registration key is a 27-character string that lets the license server know which F5 products you are entitled to license. You will need this key to re-activate the license for the WANJet appliance after you have completed the upgrade procedure.

### To view the registration key of a WANJet appliance

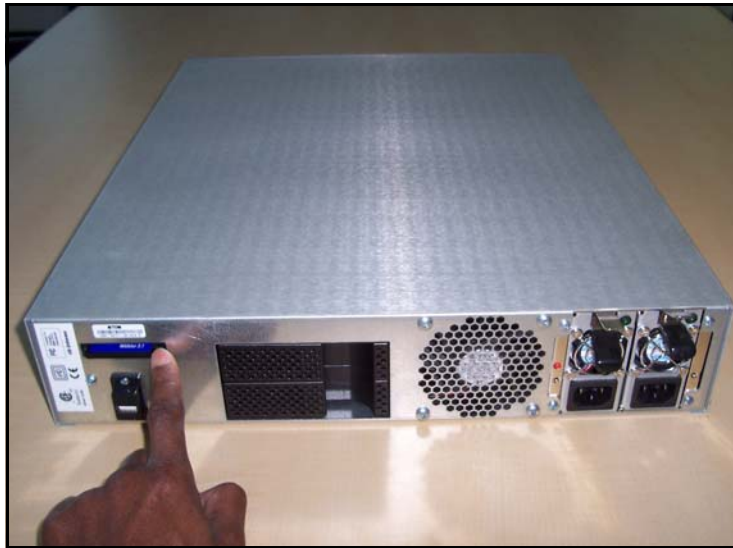
1. In a web browser, log on to the Configuration Utility of the WANJet appliance.
2. In the left navigation pane, expand **System** and click **Licensing**.
3. Click **Re-activate**.  
The WANJet License Details screen opens.
4. Record and save the 27-character string in the **Base Registration Key** box.

## Upgrading the WANJet 400

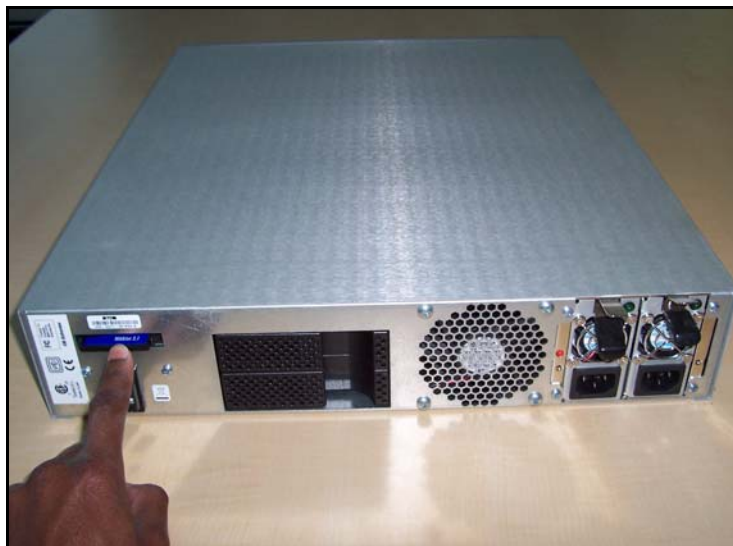
To upgrade the WANJet® 400, you need to replace its CompactFlash® card.

### To replace the CompactFlash card in the WANJet 400

1. Shut down the WANJet appliance and disconnect the power.
2. Remove the installed CompactFlash card by pressing the Eject button beside the slot on the back of the appliance.



3. Insert the new CompactFlash card into the slot, and then push it in slowly until the Eject button pops up.



## Upgrading the WANJet 500

To upgrade the WANJet 500, you must install the new system BIOS and replace the CompactFlash® card. For a rack-mount installation, replacing the CompactFlash card requires that you remove the appliance from the rack.

## Installing the new WANJet 500 BIOS

The new BIOS ISO file is provided on a CD-ROM that is included in the 5.0 Upgrade Kit. To complete the BIOS installation, you also need a USB CD-ROM drive and terminal emulator. If you have the BIOS on CD, skip to *Preparing to install the BIOS*, on page 1-4.

If you already have the 8 GB CompactFlash card but not the Upgrade Kit, you can download the BIOS upgrade from the F5 Electronics Software Distribution site. Continue with the next procedure.

## Acquiring the BIOS firmware

To download the firmware upgrade, you need an account on <http://downloads.f5.com>. This site uses an F5 single sign-on account for technical support and downloads. After you create an account, you can log on and download the firmware.

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### ◆ Note

*You only need to download the BIOS firmware if you have the 8 GB CompactFlash card and do not have the Upgrade Kit containing the BIOS firmware on CD. If you have the BIOS upgrade CD, skip to **Preparing to install the BIOS**, on page 1-4.*

### To download the BIOS firmware

1. Using a web browser connected to the Internet, visit <http://downloads.f5.com>.  
The F5 Login screen opens.
2. In the **User Email** box, type the email address associated with your F5 technical support account.
3. In the **Password** box, type the password for the account.
4. Click the **Login** button.  
The Overview screen opens and provides notes about using the Downloads site.
5. Click the **Find a Download** button  
The Product Lines screen opens and displays all the F5 product families.

6. Locate the **Hardware-Specific** product family (*not* WANJet appliance), and click the adjacent **Platform** link.  
The Product Version screen opens.
7. From the drop-down list, select **oem**.  
The screen changes to display product containers for the version you selected.
8. Click the **WJ500** link.  
The End User License Agreement screen opens.
9. Read the license agreement, and click **I Accept** to agree to the terms of the agreement.  
The Select a Download screen opens.
10. Click the **WJ500.iso** link to download the WANJet 500 BIOS upgrade.  
The select Download Method screen opens.
11. Click the download method option you want to use.
12. Optionally, go back to the Select a Download screen and download the **WJ500.iso.md5** checksum file.
13. From the directory containing both files, use the checksum file to verify the iso image by typing:  
  
**md5sum -c WJ500.iso.md5**
14. Burn the **WJ500.iso** image onto a CD.
15. Use this disk to install the new WANJet 500 BIOS.

## Preparing to install the BIOS

### To prepare the WANJet 500 appliance for BIOS installation

1. Make sure that the WANJet 500 is connected to at least one power supply, and the power switch is turned off.
2. Connect the serial console cable included with the WANJet 500 appliance to the **Console** port on the front of the unit and connect the other end of the cable connector to a serial terminal.
3. On the serial terminal, configure the terminal emulator with the following settings:
  - Bits per second (baud) = **19200**
  - Data Bits = **8**
  - Parity = **None**
  - Stop Bit = **1**
  - Flow Control = **None**
  - VT100 emulation

## Completing the BIOS installation

### To complete the WANJet 500 BIOS installation

1. Insert the CD from the Upgrade Kit (or the CD you created) into the USB CD-ROM drive.
2. Insert the USB cable from the CD-ROM drive into the **USB** port on the front of the WANJet appliance.
3. Press the power switch on the back of the WANJet appliance. The system reboots from the CD-ROM and automatically installs the new BIOS.

**Important:** The upgrade process may take a few minutes. Do not interrupt this process.

**Note:** Disregard the Invalid Opcode message that may appear.

4. When the boot process has finished, disconnect the CD-ROM drive from the WANJet appliance.

**Note:** Disregard the message “Press any key to reboot.”

5. Turn off the WANJet 500 appliance by pressing the power switch on the back of the unit. After a few seconds, turn on the appliance by pressing the power switch again.
6. As the system boots, verify that the installed version of the BIOS displayed on the console screen is **WJ500 OBJ-0200-03 RevA**.

## Replacing the CompactFlash card in the WANJet 500

Replacing the CompactFlash card in the WANJet 500 requires that you remove the lid from the WANJet appliance, remove the installed CompactFlash card, and insert the new CompactFlash card into the socket.

If you have any questions about this procedure, contact your F5 customer service representative.

### **WARNING**

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*This product is sensitive to electrostatic discharge (ESD). We recommend that when handling the unit, you use proper ESD grounding procedures and equipment.*

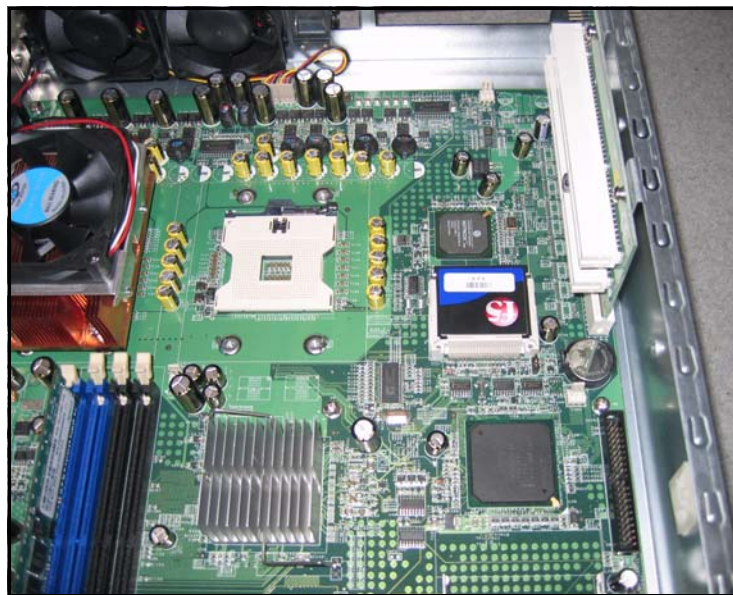
### To replace the CompactFlash card in the WANJet 500

1. Disconnect the power and remove the appliance from the rack.
2. Using a Phillips number 2 screwdriver, remove the nine screws around the edge of the lid, including the one behind the label **WARRANTY VOID IF SEAL IS BROKEN**.

**Note:** A replacement label is included in the Upgrade Kit.



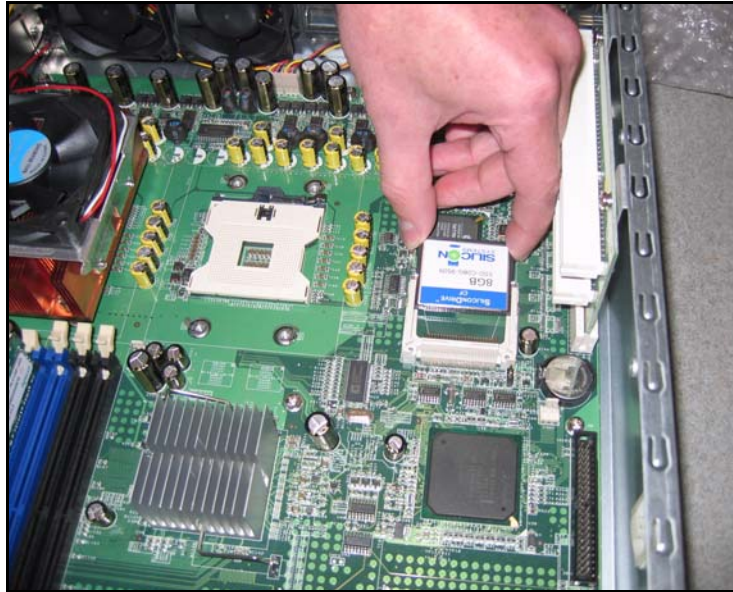
3. Slide back the lid and remove it.
4. Locate the installed CompactFlash card (see photo below).



5. Remove the CompactFlash card by sliding it out of the socket toward the back of the appliance.



6. Insert the new CompactFlash card into the socket by sliding it forward until the pins are inserted securely in the holes on the card.



7. Replace the lid and tighten the nine retaining screws.
8. Affix the new *WARRANTY VOID IF SEAL IS BROKEN* label (included in the Upgrade Kit) to the WANJet appliance in the same location as the label you are replacing.
9. Return the WANJet appliance to the rack. For details about installing the appliance into a rack, refer to the *Platform Guide: WANJet® 500*.



