WANJet® Appliance CompactFlash Card and BIOS Upgrade Instructions

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 to version 5.0.

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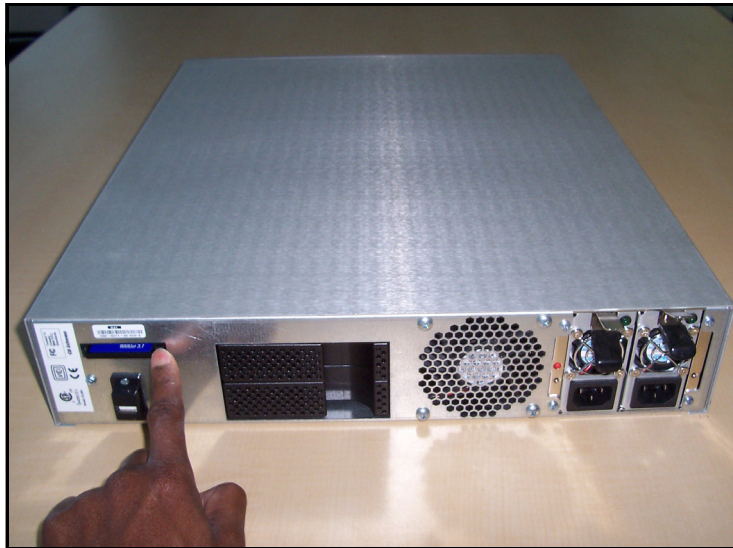
3. Insert the new CompactFlash card into the slot, and then push it in slowly until the Eject button pops up.

Upgrading the WANJet 500

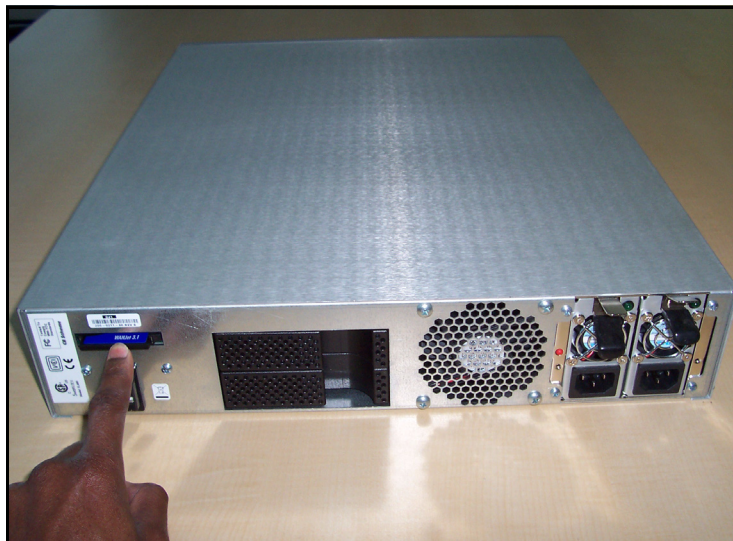To upgrade the WANJet 500, you must install the new system BIOS and replace the CompactFlash® card. For a rack-mount installation, replacing the CompactFlash card requires that you remove the appliance from the rack.

Installing the new WANJet 500 BIOS

To complete the new BIOS installation, you must use the following hardware in addition to the WANJet 500 appliance:

- USB CD-ROM drive
- Blank CD-R disk
- A serial console that includes a monitor and keyboard for terminal emulation

Acquiring the BIOS firmware

Before you can install the new system BIOS, you must acquire the new BIOS firmware by downloading the file from the F5 Electronics Software Distribution site (**http://downloads.f5.com**).

To download the firmware upgrade, you must create an account at **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.

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, 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 to view a list of available files.
    The End User License Agreement screen opens.

9. Read the license agreement, and click **I Accep**t to agree to the terms of the agreement.
    The Select a Download screen opens.

10. Click the **F5_bios-2.0-10.0.7.4.0.floppy.zip** link to begin downloading the zip file that contains the WANJet 500 platform BIOS upgrade.
    The select Download Method screen opens.

11. Click an option depending on the method you want to use to download the file.

12. After you save the **F5_bios-2.0-10.0.7.4.0.floppy.zip** file on your local system, use an unzip application to extract the **WJ500.floppy** file.
    After you download the firmware image, you can use the md5 checksum included in the zip file to verify the image.

13. Burn the **WJ500.floppy** file to a CD-R disk.

14. 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 WANJet 500 appliance.

3. Connect the other end of the cable connector to a serial terminal.

4. 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**

Completing the BIOS installation

To complete the WANJet 500 BIOS installation

1. Insert the BIOS 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.

4. As the system boots, press the Tab key on the console repeatedly until the **BIOS Setup Utility** screen appears**.**

5. Select **Advanced BIOS Features**, and press the Enter key.

6. For **First Boot Devic**e, select **USB-CDROM**.

7. Press the Esc key twice to return to the BIOS Setup screen.

8. Select **Save & Exit Setup**, press the Enter key, and then confirm your selection.

   The system reboots using the connected USB CD-ROM. The CD automatically installs the new BIOS.

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

9. When the boot process has finished, remove the CD from the CD-ROM drive.

10. 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.

11. As the system boots, press the Tab key on the console repeatedly until the BIOS Setup Utility screen appears.

12. Select **Load Optimized Defaults**.

13. Select **Save & Exit Setup**, press Enter, and then confirm your selection.

14. Reboot the WANJet appliance, and 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**

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.*
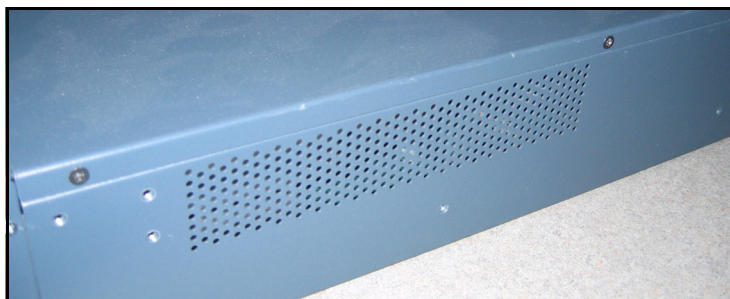
3. Slide back the lid and remove it.

4. Locate the installed CompactFlash card (see photo below).
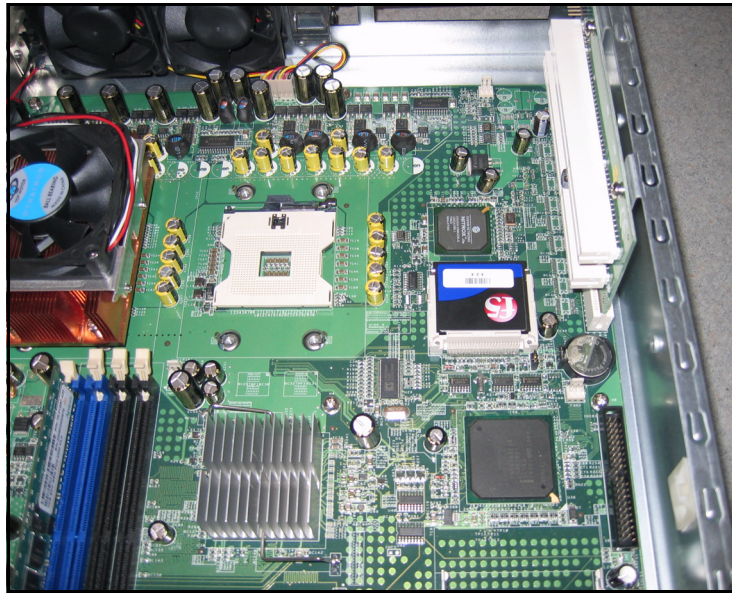
5. Remove the CompactFlash card by sliding it out of the socket toward the back of the appliance.

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.
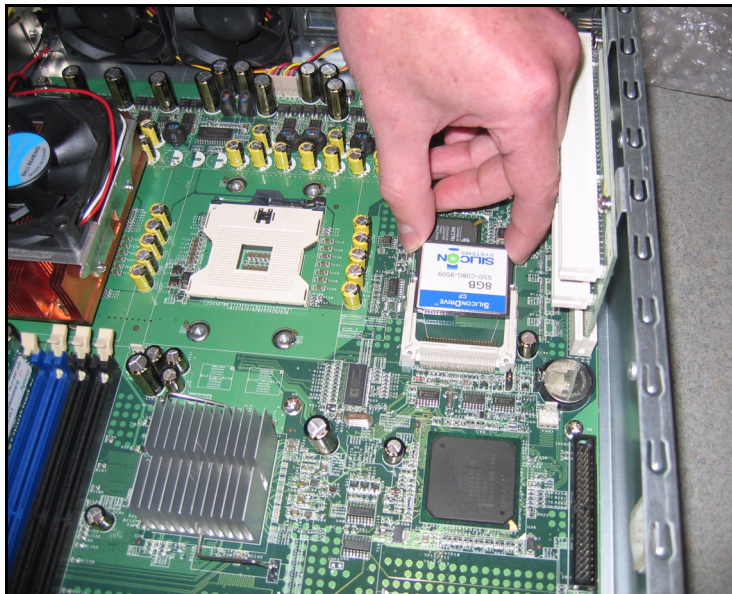
7. Replace the lid and tighten the nine retaining screws.

8. Return the WANJet appliance to the rack. For details about installing the appliance into a rack, refer to the *Platform Guide: WANJet® 500*.