Using the F5 Optimization Client with the WANJet Appliance

WANJet Appliance Version 5.0.2
Optimization Client Build 6030,2008,305,2346
Updated July 16, 2008

Product Version

This document applies to the F5 Optimization Client and product version 5.0.2 of the WANJet® appliance.

Publication Date

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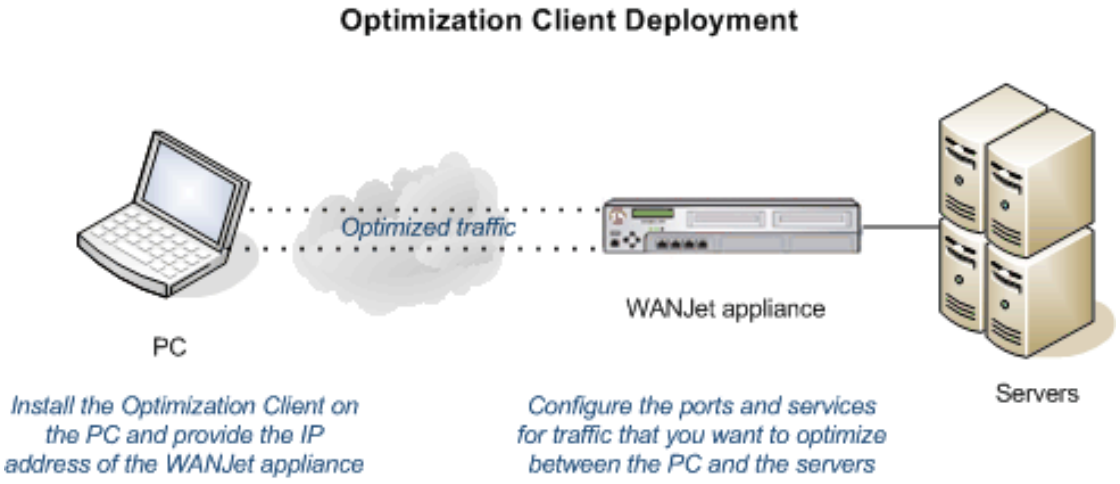
Legal Notices

Overview of the F5 Optimization Client

The F5 Optimization Client is software that you install on a PC to optimize traffic between the PC and a WANJet appliance located near application servers or a data center containing data that the PC needs to access. The WANJet appliance can then optimize traffic between the PC and the WANJet appliance, such as when employees are working from home or outside the office and need fast access to enterprise applications. With this client, you optimize traffic back and forth between specified ports and services on particular servers and the PC.



You can place the WANJet appliance anywhere within a reasonable proximity of the servers, as long as there is a high-speed connection between the WANJet appliance and the servers.

This document includes the following information:

- Configuring F5 Client Optimization on the WANJet appliance
- Configuring the Optimization Client on the PC
- Known issues

Configuring F5 Client Optimization on the WANJet appliance

In the current release (version 5.0.2), you have to enable the Client Optimization feature on the WANJet appliance before you can see the **Client Optimization** option and access the screens where you configure optimization policies on the WANJet appliance.

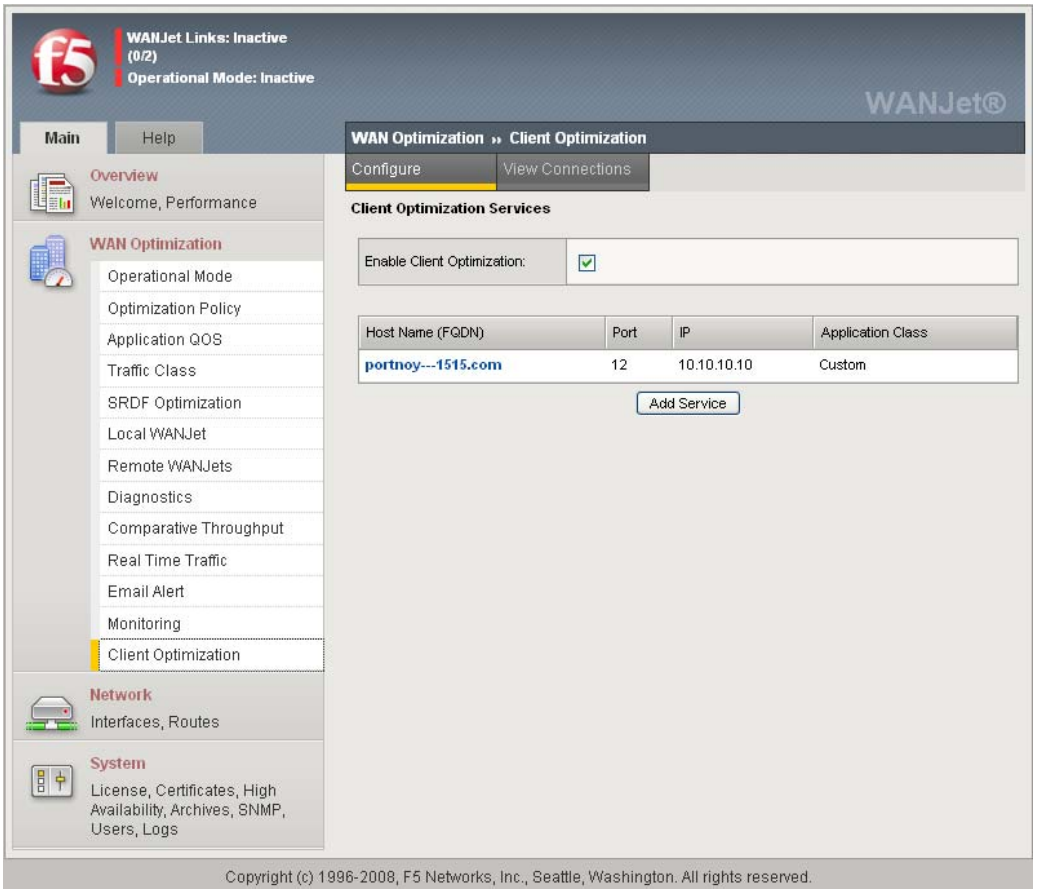
To make Client Optimization visible on the WANJet appliance

1. Run the following script on the command line of the WANJet appliance:

   ```
   /usr/local/wj/scripts/configureSoftWOC -force=on
   ```

2. When you log on to the WANJet appliance browser-based interface, in the navigation pane, expand **WAN Optimization** to see the **Client Optimization** option.

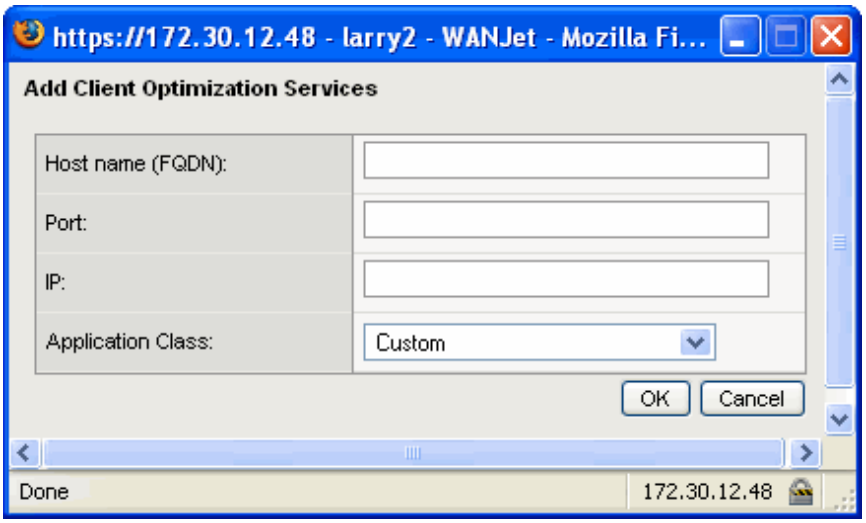
To configure Client Optimization on the WANJet appliance



1. In the navigation pane, expand **WAN Optimization** and click **Client Optimization**.
   The Client Optimization Services screen opens.

2. Select the **Enable Client Optimization** check box.

3. Click the **Add Service** button to create optimization policies for services you want to optimize. The Add Client Optimization Services popup screen opens.



4. In the **Host name (FQDN)** box, specify the name of the service host on the remote network whose traffic you want to optimize. The name must be a fully qualified domain name; for example, **ftp.f5net.com**.

5. In the **Port** box, specify the port for the service on the service host that you want to optimize.

6. In the **IP** box, specify the IP address of the service host.

7. From the **Application Class** list, select the type of traffic you want the client to optimize. To specify a type that is not on the list, select **Custom**. The options are:
   - **Custom—**if the type of traffic you want to optimize is not on the list, select this option.
   - **HTTP** (Hypertext Transfer Protocol)**—**to optimize file transfer of displayable web pages and related files.
   - **FTP** (File Transfer Protocol)**—**to optimize simple file transfers using FTP between computers on the Internet. (Passive FTP only)
   - **MS File Shares—**to optimize traffic if using Microsoft networking to share files with other users on the network.
   - **Exchange Client/Server Comm—**to optimize transfer of messages such as e-mail, if using Microsoft Exchange Server.
   - **MS RPC (Microsoft Remote Procedure Call)—**to optimize traffic in a distributed computing environment where MS RPC is the programming method in use.

8. Click **OK**.

9. Repeat steps 3-7 to add any other services you want to optimize between the PC and one or more servers.

Configuring the Optimization Client on the PC

You need to install and configure the Optimization Client on each PC. When you use the PC to access the servers and services that you configured on the WANJet appliance, the WANJet appliance optimizes traffic between itself and the PC. For this configuration, you need only one WANJet appliance. The optimization that is performed is strictly TDR-1. The packets are gzipped.

Supported operating systems

Optimization Client on computers running the following Microsoft® Windows operating system versions:

- Windows XP Pro or Home, SP2
- Windows Vista™ Ultimate, Enterprise, or Home
- Windows Vista™ 64-bit
- Windows XP 64-bit

To install the Optimization Client on the PC

1. On the PC where you want to install the Optimization Client, navigate to the directory containing the client software that you downloaded.

2. Click the file **F5OptimizationClient.MSI**.
   The Destination Folder screen opens.

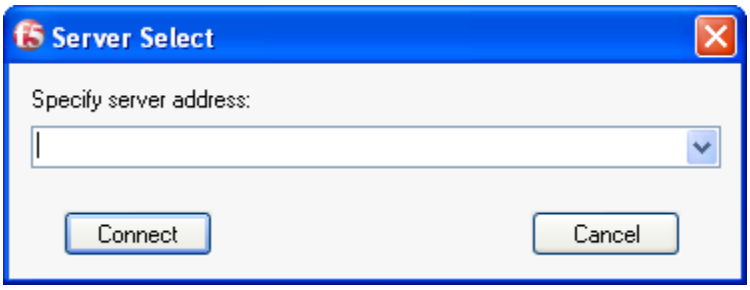
3. Type the name of the destination folder where you want to install the WAN Optimization Client. It is **C:\Program Files\F5 Networks\WAN Optimization Client** by default. Then click **Next**.

4. Click **Install** to begin the installation.
   The client software is installed.

5. Click **Finish** to complete the installation.

To configure the Optimization Client on the PC

1. From the Windows **start** menu, choose **Start >> All Programs >> F5 Networks >> F5 Optimization Client**.
   The Server Select popup opens.

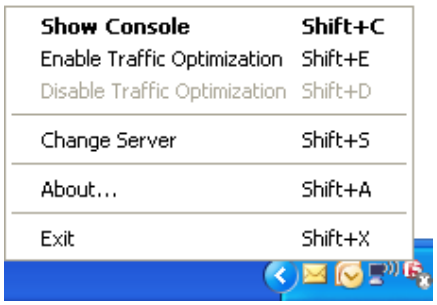


2. In the **Specify server address** box, type the WANJet IP address (bridge IP) of the WANJet appliance that is set up in front of the data servers.

3. Click **Connect**.
   The Optimization Client appears as an F5 logo in the system tray. If the PC can connect to the WANJet appliance, traffic optimization is automatically enabled. In the future, when you reboot the PC, the Optimization Client automatically runs unless you disable it or if the WANJet appliance is no longer connected.

To view or change settings on the Optimization Client

1. Right-click the icon in the system tray to display a menu.

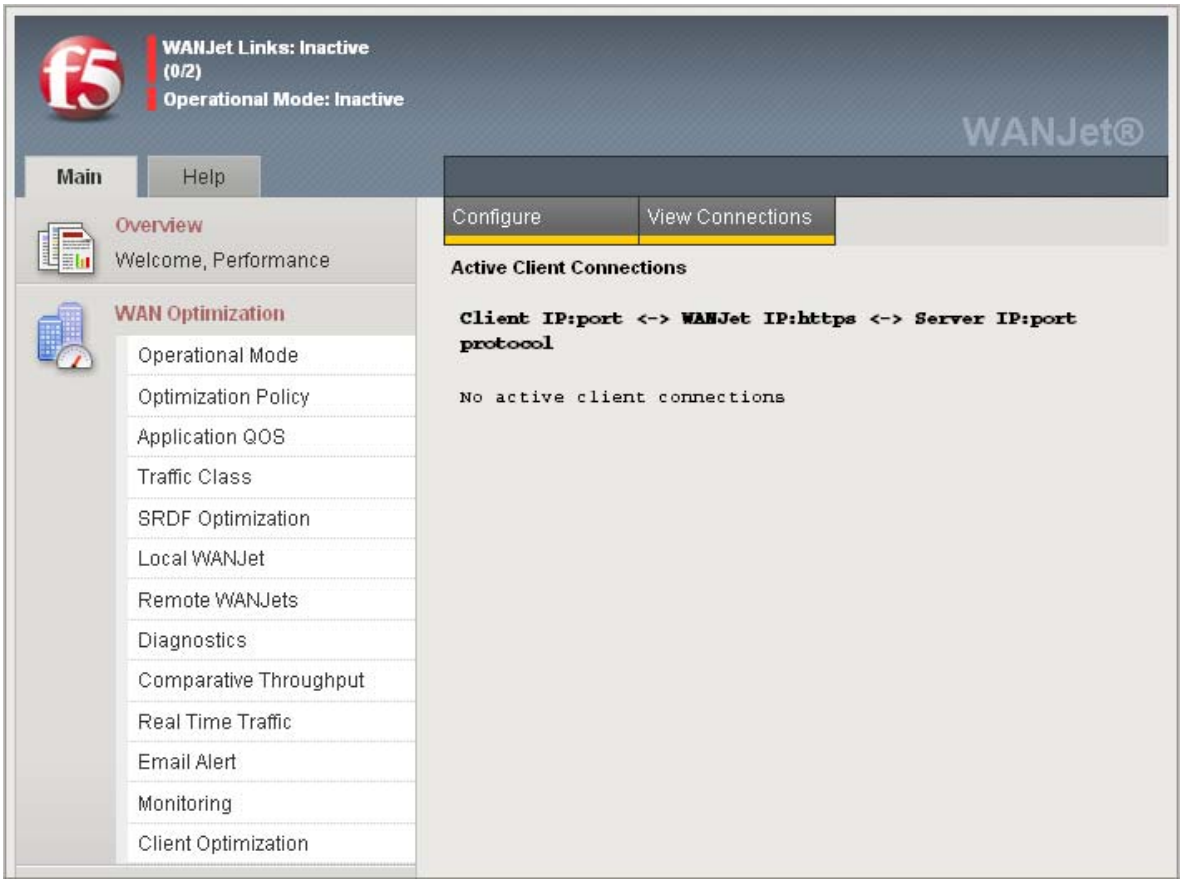


2. Select the appropriate command to depending on what you need to do:
   - Choose **Hide Console** to remove the F5 logo representing the client from the system tray.
   - Choose **Enable Traffic Optimization** to optimize traffic for the ports configured on the WANJet appliance.
   - Choose **Disable Traffic Optimization** to turn optimization off. Be aware that disabling optimization is a setting that persists through reboots.
   - Choose **Change Server** to change the address of the WANJet appliance that is optimizing traffic. To remove an obsolete or incorrect address, highlight that address and press the Delete key.
   - Choose **About** to show information about the optimization client.
   - Choose **Exit** to discontinue using the client and remove the F5 logo representing the client from the system tray.

To check the status of connections from the WANJet appliance

1. In the navigation pane, expand **WAN Optimization** and click **Client Optimization**.
   The Client Optimization Services screen opens.

2. Click View Connections.
   The Active Client Connections screen opens.



If there are active connections between the WANJet appliance and one or more PCs, they are shown on the screen. For each connection, you can see the client IP address and port, WANJet appliance IP address and port, server IP address and port, and the protocol.

Known issues

Use of Optimization Client requires log on through WANJet appliance (bridge) IP address (CR92233)
When using the Optimization Client, you must log on to the WANJet appliance using the Management IP address, not the WANJet appliance IP address. The Optimization Client uses the WANJet appliance IP address to transfer optimized traffic. If you try to log on using the WANJet appliance IP address, a blank screen opens, and you cannot access the browser-based interface.

Active FTP not supported (CR94687)
This release supports only optimization of passive FTP connections. If you try using an active FTP session, you may experience a port command failure if FTP fails to open a data port.

Uninstalling FirePass Standalone Client also uninstalls part of Optimization Client (CR95089)
If you have both the FirePass Standalone Client and the Optimization Client installed on the same PC and you uninstall the FirePass Standalone Client, the Optimization Client will no longer optimize traffic. The workaround for this is to reinstall the Optimization Client if this occurs.

Connection Failure with Invalid SSL Certificate (CR95676)
If the WANJet appliance does not have a valid SSL certificate and a client tries to pass https traffic on their PC (https://<serverIPaddress>, the client may see a Security Alert, then a Security Warning. If the client says “no” and does not want to proceed, an error message says “Connection Failure” and displays an error code with no explanation. To avoid the connection failure, the administrator must install a valid SSL certificate on the WANJet appliance or instruct clients to reply “yes” to the Security Warning.