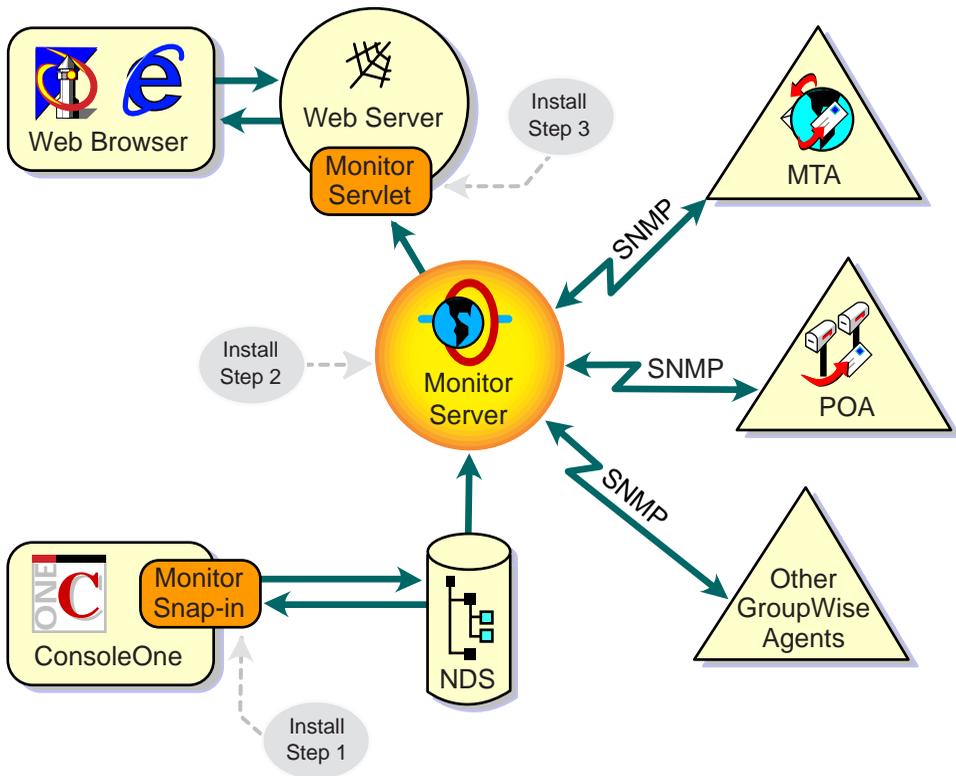# Installing GroupWise Monitor

The new GroupWise® Monitor in the GroupWise 5.5 Enhancement Pack provides significant new functionality, including a browser-based interface, a separate server component, customizable poll schedules and thresholds for increased administrator control, and integration with NDS™.

ARCHITECTURAL OVERVIEW

The new GroupWise Monitor consists of three components:

    Monitor Server
    Monitor Servlet
    Monitor Snap-In to ConsoleOne™

These three components interact with other programs on your system to gather status information from your GroupWise system and to display it to you through your web browser.

Monitor Server

The Monitor Server is the polling engine that can monitor any SNMP-enabled agent in your system, including GroupWise agents. To simplify administration, you can organize similar agents into agent groups. The Monitor Server reads its configuration information from NDS. It uses SNMP to gather status information from agents and passes that information to the Monitor Servlet.

Monitor Servlet

The Monitor Servlet is a Java* application that is installed to customize the functioning of your web browser. It receives status information from the Monitor Server and passes that information to your web server for display in your web browser.

Monitor Snap-In to ConsoleOne

The Monitor Snap-In to ConsoleOne allows you to create Monitor-specific NDS objects and to configure the Monitor Server using ConsoleOne.

SYSTEM REQUIREMENTS

To run the new GroupWise Monitor, your system must meet the following requirements:

❑ Existing GroupWise 5.5 system

The GroupWise agents to be monitored must be configured for TCP/IP and the servers where they run must be configured for SNMP.

❑ NetWare$^®$ 5 with Support Pack 2 installed or NetWare 4 with Support Pack 6 installed

❑ Netscape Enterprise Server* for NetWare, Netscape Enterprise Server for NT, or Microsoft* Internet Information Server (IIS)

❑ JVM 1.1.7b on NetWare or JRE 1.1 on Windows NT*

Do not use JRE 1.2.x for Monitor components running on Windows NT.

❑ ConsoleOne 1.2 (available on the Enhancement Pack CD)

❑ Netscape Communicator* 4.06 or better, or Internet Explorer 4.0 or better

❑ Available server memory: 30 MB

❑ Available server disk space: 65 MB on NetWare or 20 MB on Windows NT

PREREQUISITES

Before you can install the new GroupWise Monitor, you must first install other components of the Enhancement Pack.

Install ConsoleOne 1.2

If you are not yet running ConsoleOne, or if you are running the version of ConsoleOne that shipped with NetWare 5, you must install ConsoleOne version 1.2, provided on the

Enhancement Pack CD. To view the *Administration Quick Start* card, run SETUP.EXE from the root of the CD > click Install Products > click GroupWise Administration > click View Quick Start Card.

Install Updated GroupWise Agent Software

For the most complete agent monitoring information, you must also install the updated agent software provided with the Enhancement Pack for those agents (MTA, POA, Internet Agent, and/or WebAccess Agent) that you want to monitor. To view an agent *Quick Start* card for update instructions, run SETUP.EXE from the root of the CD > click Install Products > click the type of agent to update > click View Quick Start Card.

INSTALLATION OVERVIEW

The architectural diagram presented on the first page of this *Quick Start* card shows the order in which you install the three GroupWise Monitor components:

1. Install the Monitor Snap-In to ConsoleOne to extend the NDS schema and configure the Monitor Server.
2. Install the Monitor Server software, which will gather the GroupWise status information.
3. Install the Novell Servlet Gateway and the Monitor Servlet, which will enable your web browser to display the GroupWise status information.

STOPPING YOUR WEB SERVER

Before installing the Monitor Snap-In to ConsoleOne and setting up the Monitor Server, you must stop your web server.

If you are using the Netscape Enterprise Server for NetWare,

1. Go to the NetWare server console or open a remote console window.
2. Enter `nvxwebdn` to bring down the Netscape Enterprise Server for NetWare.
3. Enter `unload java` to unload JAVA.NLM.

If you are using the Netscape Enterprise Server for NT or the Microsoft Internet Information Server,

1. Go to the NT server where your web server is running.
2. Click Start > Settings > Control Panel.
3. Click Services > select your web server service > click Stop.

INSTALLING THE MONITOR SNAP-IN TO CONSOLEONE

The new GroupWise Monitor must be configured using ConsoleOne. It cannot be configured using NetWare Administrator. To install the Monitor Snap-In to ConsoleOne,

1. Run SETUP.EXE at the root of the Enhancement Pack CD > click Install Products > GroupWise Monitor.
2. Follow the on-screen instructions to select the NDS tree where Monitor will be installed and to select the directory where ConsoleOne 1.2 is already installed.

    The Monitor installation program extends the NDS schema to support Monitor objects, installs the Monitor Snap-In to ConsoleOne software (which also includes the GroupWise Admin Snap-In), and starts ConsoleOne so you can set up the Monitor Server.

RUNNING THE MONITOR SETUP ADVISOR

GroupWise Monitor requires at least one Monitor Server object and one application definitions area (a collection of objects with an Application Definitions object at its root). The Monitor Setup Advisor starts automatically after the Monitor Snap-In has been installed. However, ConsoleOne is also active, and you may want to perform the following preparation before using the Monitor Setup Advisor:

1. Create a new organizational unit where you will create the new Monitor objects.
2. Click Help on the ConsoleOne menu bar > Contents > Monitoring GroupWise to learn more about Monitor objects.

    You will be able to organize your Monitor system much more efficiently if you understand agent groups, poll profiles, thresholds, and community strings before you begin to configure your Monitor Server.

3. Identify which agents have similar characteristics and could be monitored efficiently as agent groups.

After proper preparation, follow the on-screen instructions in the Monitor Setup Advisor. It will create the required Monitor objects, help you select agents to monitor and create agent groups based on community strings, install the Monitor Server software, and install the Novell Servlet Gateway and Monitor Servlet.

The Monitor Setup Advisor then instructs you to restart your web server and start the Monitor Server.

RESTARTING YOUR WEB SERVER

If you are using the Netscape Enterprise Server for NetWare,

1. Go to the NetWare server console or open a remote console window.
2. Enter **load java** to reload JAVA.NLM.
3. Enter **nvxwebup** to restart the Netscape Enterprise Server for NetWare.

4. Continue with "Starting the Monitor Server" later in this *Quick Start* card.

If you are using the Netscape Enterprise Server for NT or the Microsoft Internet Information Server,

1. Go to the NT server where your web server is installed.
2. Click Start > Settings > Control Panel.
3. Click Services > select your web server service > click Start.

STARTING THE MONITOR SERVER

If you are starting the Monitor Server on NetWare,

1. At the NetWare server console (not from a remote console window), enter `gwmon` to start the Monitor Server.

   The GWMON.NCF file is located in the SYS:\SYSTEM directory.

If you are starting the Monitor Server on Windows NT,

1. In the directory where you installed the Monitor Server, run GWMON.BAT to start the Monitor Server.

TESTING YOUR MONITOR INSTALLATION

After you have restarted your web server and started the Monitor Server, the Monitor Setup Advisor provides a dialog box where you can test your Monitor installation. Click Test. If Monitor has been successfully installed and configured, your browser will display the main Monitor view. You can bookmark the URL for future reference.

If Monitor does not display successfully, click More Info in the Test dialog for troubleshooting tips.

MONITORING GROUPWISE AGENTS

Once the Monitor Server is running on either a NetWare or Windows NT server, you can check the status of GroupWise agents from any location where a web browser is available. Direct your web browser to the URL of your web server, as in the following example:

http://*web_server_address*/servlet/gwmonitor

From your web browser, you can choose different views of your GroupWise system status information. The Problems View lists only those agents that have a status other than OK. The System View lists all monitored agents. The Explore View lets you browse through the organization of monitored objects. In any view, click Help for additional information.

CONFIGURING MONITOR

Once you are successfully monitoring the GroupWise agents and agent groups you set up during initial installation, you can further customize your Monitor configuration to make monitoring a large number of agents easier. You can:

• Create poll profiles to customize the status information the Monitor Server provides

• Create agent groups so you can apply the same poll profiles, poll schedules, poll blackouts, and other polling criteria to groups of similar agents

• Add new types of GroupWise agents to monitor

• Create agent definitions for other types of agents

For assistance with any of these Monitor configuration tasks,

1. Click Help in any Monitor-related ConsoleOne dialog box.

    or

    Click Help on the ConsoleOne menu bar > Contents > Monitoring GroupWise.

STOPPING THE MONITOR SERVER

To stop the Monitor Server on a NetWare server,

1. At the server console or from a remote console window, enter **java -show** to display the process IDs of Java programs running on the server.
2. Identify the process ID of the Monitor Server.
3. Enter **java -kill**_processID_.

To stop the Monitor Server on a Windows NT server, press Ctrl-C or click the Close button in the window where it is running, or use the Windows NT Task Manager to end the Monitor Server task.

LEGAL INFORMATION