Installing Sun™ Enterprise SyMON™ 2.0 for Workgroup Servers

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Installing Sun Enterprise SyMON 2.0 for Workgroup Servers

Sun Enterprise SyMON™ 2.0 for Workgroup Servers software is an extension to Sun Enterprise SyMON 2.0 (or SyMON). This extension enables customers to monitor and manage supported workgroup server systems.

Sun Enterprise SyMON 2.0

Sun Enterprise SyMON 2.0 (or SyMON) is an open, extensible, standards-based solution for monitoring and managing Sun™ desktop systems, enterprise servers, and workgroup servers. It facilitates simple centralized or distributed management of any number of Sun system products and their subsystems and components.

The SyMON software consists of three major components:

- *Server* – The SyMON server collects status information from the Sun systems in the network on which the SyMON agent is installed and provides information and services to the SyMON console(s). A SyMON server can monitor any number of systems, and can report to any number of SyMON consoles. Any Sun system that meets the minimum configuration requirements can act as a SyMON server.

- *Agent* – The SyMON agent software runs on each Sun system monitored by a SyMON server. The agent provides status and alarm information to the SyMON server assigned to monitor it. Each instance of the SyMON agent reports to only one SyMON server. The SyMON agent software can be installed on any supported Sun desktop system or server.

- *Console* – The SyMON console software runs on each Sun system that is set up to act as a console for a SyMON network. A SyMON console can view one or more SyMON servers and any number of Sun systems in a SyMON network.

SyMON 2.0 for Workgroup Servers

The three SyMON 2.0 for Workgroup Servers (WGS SyMON) modules correspond to the three architectural layers of the SyMON 2.0 product. The following is an overview of the three WGS SyMON modules:

- `SUNWeswgs` – WGS server module: Provides libraries and other files needed by the SyMON server to monitor and control supported WGS systems. This software must be installed on all SyMON server systems in addition to the base SyMON server software.

- `SUNWeswga` – WGS agent module: Provides libraries and other files needed by the SyMON agent to monitor supported WGS systems. This software must be installed on all SyMON monitored WGS systems in addition to the base SyMON agent software.

- `SUNWeswgc` – WGS console module: Provides files needed by the SyMON console to view supported WGS systems. This software must be installed on all SyMON console systems in addition to the base SyMON console software.

Supported Systems

The following WGS systems are supported in this release:

- Sun Enterprise™ 450 workgroup server
- Sun Enterprise 250 workgroup server
- Sun Enterprise 150 workgroup server
- Sun Enterprise 2 workgroup server

The following operating environments are supported:

- Solaris™ 2.5.1
- Solaris 2.6
- Solaris 7

Prerequisites for Installation

Before installing Sun Enterprise SyMON 2.0 for Workgroup Servers to monitor workgroup server systems, you must install all the components of the base Sun Enterprise SyMON 2.0 software on the host system or systems. For Sun Enterprise

SyMON 2.0 software installation instructions, please refer to the Sun Enterprise SyMON 2.0 documentation shipped with your SyMON CD-ROM, or consult the SyMON website, `www.sun.com/symon`, for instructions.

Note – If you are the administrator of the WGS SyMON software, you should be familiar with the SyMON 2.0 product and its documentation. You should also know which systems in your network will function as servers and consoles, and which systems will be monitored by the servers and consoles.

Please be sure you have met these prerequisites before installing the WGS SyMON packages.

Table 1 shows which Sun Enterprise SyMON 2.0 module must be installed on a host system prior to installing the WGS-specific package on that system. For information about installing the SyMON 2.0 modules, see the chapter on installation in the *Sun Enterprise SyMON 2.0 User's Guide.*

TABLE 1   Prerequisites for Installing the Sun Enterprise SyMON 2.0 for Workgroup Server Packages

WGS Package	Required SyMON 2.0 Module	Where to Install the WGS Package
`SUNWeswga` — `WGS agent`	SyMON Agent	On every supported WGS system that is being monitored by SyMON 2.0, and on every supported WGS system acting as a SyMON 2.0 server
`SUNWeswgs` — `WGS server`	SyMON Server	On every system (whether a WGS system or not) that will monitor one or more supported WGS systems
`SUNWeswgc` — `WGS console`	SyMON Console	On every SyMON console (whether a WGS system or not) that will be used to monitor one or more supported WGS systems

Consult the illustration on the following page for further clarification. The diagram illustrates a possible scenario in a heterogeneous network, where a Sun Enterprise 450 system acts as the SyMON server.
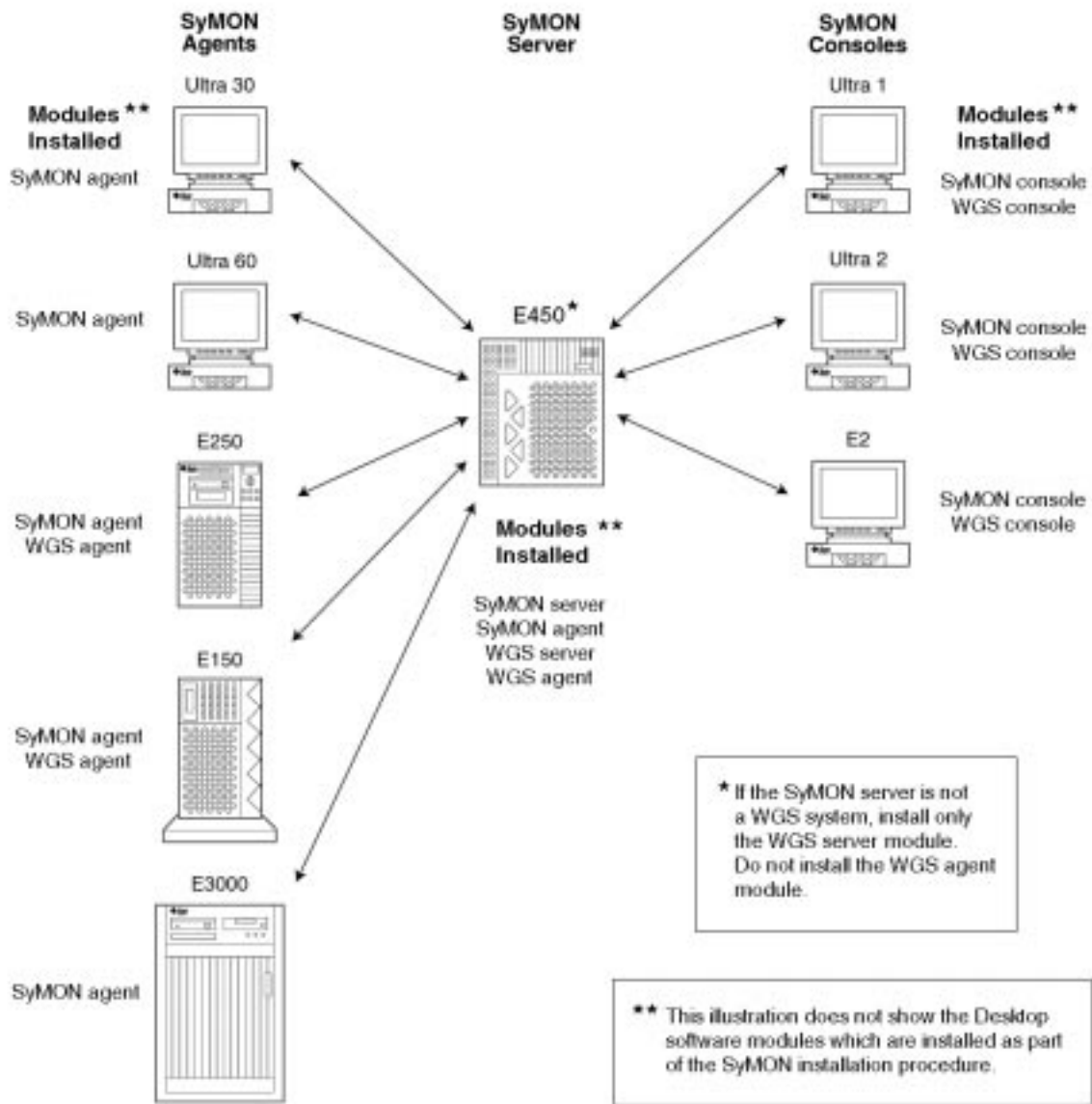
FIGURE 1 SyMON 2.0 Components Installed on a Heterogeneous Network

Installation Procedure

Before installing the WGS SyMON modules, make sure that the system where the module is being installed has sufficient disk space. The table below shows the disk space requirements for *both* the base Sun Enterprise SyMON 2.0 modules and for the WGS-specific packages.

TABLE 2   Approximate Disk Space Requirements

Component	SyMON 2.0 Module	WGS SyMON
Agent module	35.6 Megabytes	5 Megabytes
Server module	78.5 Megabytes	4 Megabytes
Console module	41.9 Megabytes	1 Megabyte

▼ Obtaining the WGS SyMON 2.0 Packages

The following three steps explain how to download, uncompress, and extract the WGS SyMON packages.

Note – If the network being monitored includes SyMON host systems running different versions of the Solaris operating environment, you will need to download and uncompress the `tar` files corresponding to all the supported Solaris operating environments.

1. **Download the WGS SyMON software from the password-protected web site (the same site where these installation instructions are located).**

   Follow the instructions provided on the web site.

2. **Uncompress the downloaded file.**

   Use the following commands, depending on the operating environment of the system where you intend to install the packages.

   ■ For installing on Solaris 2.5.1 systems,

   `/bin/uncompress wgs_packages_fcs_2.5.tar.Z`

   This creates an uncompressed file `wgs_packages_fcs_2.5.tar`

   ■ For installing on Solaris 2.6 systems,

   `/bin/uncompress wgs_packages_fcs_2.6.tar.Z`

This creates an uncompressed file `wgs_packages_fcs_2.6.tar`

- For installing on Solaris 7 systems,

`/bin/uncompress wgs_packages_fcs_2.7.tar.Z`

This creates an uncompressed file `wgs_packages_fcs_2.7.tar`

3. **Extract the packages.**

Use the following commands, depending on the operating environment of the system where you intend to install the packages.

- For installing on Solaris 2.5.1 systems,

`/bin/tar xvf wgs_packages_fcs_2.5.tar`

This creates packages directory `wgs_packages_fcs_2.5`

- For installing on Solaris 2.6 systems,

`/bin/tar xvf wgs_packages_fcs_2.6.tar`

This creates packages directory `wgs_packages_fcs_2.6`

- For installing on Solaris 7 systems,

`/bin/tar xvf wgs_packages_fcs_2.7.tar`

This creates packages directory `wgs_packages_fcs_2.7`

▼ Installing the WGS SyMON Modules

This procedure shows how to install the WGS SyMON modules, individually or in combination, for any system participating in your SyMON monitoring and management plan.

As noted earlier, you must know which systems in your network will function as SyMON servers and consoles, and which systems will be monitored by those servers and consoles. Also, the appropriate SyMON modules should already have been installed before you install the WGS SyMON modules, which are extensions to the SyMON software.

1. **Log in as root to the system where you intend to install the WGS module.**

2. **Determine which version of the Solaris operating environment the system is running.**

Use the command `uname -r` to display the Solaris version.

3. **Confirm that the prerequisite SyMON packages have been installed.**

   Use the `pkginfo` command to determine which packages have been installed. Consult Table 1 and the SyMON *User's Guide* to determine the prerequisite SyMON package(s) for the system on which you are installing the WGS SyMON package(s).

4. **Stop the SyMON software, if it is running on the system.**

   If the SyMON software is running on this system, you will need to stop the SyMON processes before installing the WGS SyMON package(s). You can stop all the SyMON processes by running the script:

   ```
   /opt/SUNWsymon/sbin/es-stop -A
   ```

5. **Change directory to the location where the appropriate WGS SyMON packages are stored.**

   The appropriate location depends on the version of Solaris software the system is running.

   - If this is a Solaris 2.5 system, change to the directory `wgs_packages_fcs_2.5`
   - If this is a Solaris 2.6 system, change to the directory `wgs_packages_fcs_2.6`
   - If this is a Solaris 7 system, change to the directory `wgs_packages_fcs_2.7`

6. **Add the appropriate SyMON WGS package(s).**

   Use the matrix below to determine which command to use for this system.

TABLE 3   Package Installation Matrix

System Function	Install WGS Module(s)	Command to Add Package(s)
1. SyMON server on a supported WGS system	Server and agent	`pkgadd -d . SUNWeswgs SUNWeswga`
2. Non-WGS SyMON server that monitors a supported WGS system	Server	`pkgadd -d . SUNWeswgs`
3. Any supported WGS system that is monitored by the SyMON server	Agent	`pkgadd -d . SUNWeswga`
4. Any system that is a console for monitoring a supported WGS system	Console	`pkgadd -d . SUNWeswgc`
5. Combined 3 and 4	Agent and console	`pkgadd -d . SUNWeswga SUNWeswgc`
6. Combined 1 and 4	Server and console	`pkgadd -d . SUNWeswgs SUNWeswga SUNWeswgc`
7. Combined 2 and 4	Server (non-WGS) and console	`pkgadd -d . SUNWeswgs SUNWeswgc`
8. Combined 1, 3, and 4	Server, agent, and console	`pkgadd -d . SUNWeswgs SUNWeswga SUNWeswgc`

7. **Run the SyMON setup script so that the Configuration Reader module will be activated. (You must install this setup script on each system where the SyMON WGS software is installed.) Use this command:**

```
/opt/SUNWsymon/sbin/es-setup
```

8. **When you have installed the WGS SyMON package(s) on this system, restart the SyMON processes using this command:**

```
/opt/SUNWsymon/sbin/es-start -A
```

Note – When you are using the SyMON Load Module interface, the "Configuration Reader (workgroup server)" module name will be displayed. Do not unload this module.

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9. **Log out of the root session on this system.**

10. **Repeat this procedure for each system where you intend to install WGS SyMON software.**

After you have completed this procedure for each system, you are now ready to use Sun Enterprise SyMON 2.0 software to monitor your workgroup server systems.

Refer to the *Sun Enterprise SyMON 2.0 User's Guide* for instructions.