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## *Sun GigabitEthernet Adapter 2.0*

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The *Sun GigabitEthernet Adapter 2.0* CD-ROM contains the software required by the Sun GigabitEthernet adapters.

This CD insert describes how to install the driver software.

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**Note** - For a list of supported platforms and complete information about how to configure the Sun GigabitEthernet Driver software, refer to the *Sun GigabitEthernet/S 2.0 Adapter Installation and User's Guide* or the *Sun GigabitEthernet/P 2.0 Adapter Installation and User's Guide* (part numbers: 805-2784-10 and 805-2785-10, respectively).

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## *Before Installing the Sun GigabitEthernet Driver Software*

Before proceeding with the hardware and software installation, determine if the system already contains a ge device.

- ♦ **Using the `prtconf -pv` command, check for any currently installed instances of a ge device.**

For Sun GigabitEthernet/S:

```
# prtconf -pv | grep SUNW,sbus-gem
compatible: 'SUNW,sbus-gem'
model: 'SUNW,sbus-gem'
```

For Sun GigabitEthernet/P:

```
# prtconf -pv | grep SUNW,pci-gem
model: 'SUNW,pci-gem'
```

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**Note** - Refer to the *Sun GigabitEthernet/S 2.0 Adapter Installation and User's Guide* or the *Sun GigabitEthernet/P 2.0 Adapter Installation and User's Guide* for further information on how to install the Sun GigabitEthernet adapters.

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## *Installing the Sun GigabitEthernet Adapter*

*If your system contains a `ge` device:*

- ♦ **Install the Sun GigabitEthernet driver software as described on page 6.**

*If your system does not contain a `ge` device:*

- ♦ **Shut down the system and install the adapter as described on page 4.**

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**Note** - If your system supports Dynamic Reconfiguration (DR), do not shut down or reboot. Refer to the Installation manual that shipped with your system for further installation instructions.

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## *Mounting the CD-ROM*

1. **Become superuser.**
2. **Insert the *Sun GigabitEthernet Adapter 2.0* CD-ROM into a CD-ROM drive that is connected to your system.**
  - If your system is running Volume Manager, it should automatically mount the CD-ROM to the `/cdrom/cdrom0/Product/pci` or `/cdrom/cdrom0/Product/sbus` directory.
  - If your system is not running Volume Manager, mount the CD-ROM as follows:

```
# mkdir /cdrom
# mount -F hsfs -o ro /dev/dsk/c0t6d0s2 /cdrom
```

## *Files and Directories on the CD-ROM*

You will see the following files and directories in the `/cdrom/sun_gigabit_ethernet_2_0` directory or the `/cdrom/cdrom0/Product/<pci or sbus>` directory, depending on how you mounted the CD-ROM.

<b>File or Directory</b>	<b>Contents</b>
Copyright	U.S. copyright file
FR_Copyright	French copyright file
Sol_2.5.1+	Contains the SUNWged and SUNWgedu software packages that run under the Solaris 2.5.1+ <sup>a</sup> operating environment
Sol_2.6	Contains the SUNWged and SUNWgedu software packages that run under the Solaris 2.6 operating environment
Sol_2.7	Contains the SUNWged and SUNWgedu software packages that run under the Solaris 2.7 operating environment

a. Refer to the *Installation and User's Guide* for the specific Solaris 2.5.1 releases that are supported.

## *Installing the Driver Software on Solaris Systems*

- 1. Install the package that is appropriate for your system's operating environment.**
  - At the command line, type (where x is: 5.1+ for Solaris 2.5.1, 6 for Solaris 2.6, or 7 for Solaris 2.7):

```
# /usr/sbin/pkgadd -d \  
/cdrom/cdrom0/Product/<pci or sbus>/sol_2.x
```

- 2. Create an entry in the `/etc/hosts` file for each active ge interface.**

The following example shows the `/etc/hosts` file.

```
# cat /etc/hosts  
#  
# Internet host table  
#  
127.0.0.1    localhost  
129.144.10.57 zardoz    loghost  
129.144.11.83 zardoz-11
```

3. **At the command line, use the `grep` command to search the `/etc/path_to_inst` file for `ge` instances.**

For Sun GigabitEthernet/P:

```
# grep ge /etc/path_to_inst
"/pci@1f,4000/pci@1/network@1" 0 "ge"
```

For Sun GigabitEthernet/S:

```
# grep ge /etc/path_to_inst
"/sbus@1f,0/network@1,100000" 0 "ge"
```

In the previous examples, the 0 instance is for the first GigabitEthernet adapter installed in each system.

4. **Set up each `hostname.ge<num>` file to correspond with each `ge` device in the `path_to_inst` file.**

The following example shows the

`/etc/hostname.ge<num>` file required for a system which has a `ge` interface with the hostname `zardoz-11`.

```
# cat /etc/hostname.ge1
zardoz-11
```



5. **Setup the ge adapter using the `ifconfig` command, where `<ip_address>` corresponds to the system IP address to use the adapter without rebooting.**

- At the command line, type:

```
# ifconfig ge0 plumb  
# ifconfig ge0 <ip_address> up
```

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**Note** - After installing the driver software, refer to the *Sun GigabitEthernet/S 2.0 Adapter Installation and User's Guide* or the *Sun GigabitEthernet/P 2.0 Adapter Installation and User's Guide* for information on how to configure the software.

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