Installation Instructions for Customer Diagnostics 2.7 Release

The Customer Diagnostics 2.7 release, in support of IRIX® 6.5.27, contains the offline and online diagnostics that you can use to test your workstation. This document discusses these diagnostics and explains how to install them.

Offline Diagnostics

The offline diagnostics use a standalone diagnostic environment that runs in kernel mode and requires full use of the system. The IRIX® operating system cannot run in the system when you use the offline diagnostics. You must reboot the system to run them. The offline diagnostics test the CPU; cache; memory; SCSI controller; PCI slots; and the keyboard, mouse, serial, parallel, Ethernet, and USB ports.

The offline diagnostics are already installed in the `/stand/smdk` directory on your workstation when you receive it. You do not need to install them from the Customer Diagnostics 2.7 release. If the offline diagnostic files on your workstation get corrupted or deleted, you can reinstall them by downloading the Customer Diagnostics 2.7 release from Supportfolio™ (http://support.sgi.com/).

Online Diagnostics

The online diagnostics test system hardware while IRIX® is running. The online diagnostics test the CPU; cache; memory; graphics card; disk drive; tape drive; SCSI controller; PCI slots; and the serial, Ethernet, and USB ports.

The online diagnostics are already installed in the `/usr/diags/bin` directory on your workstation when you receive it. You do not need to install them from the Customer Diagnostics 2.7 release. If the online diagnostic files on your workstation get corrupted or deleted, you can reinstall them by downloading the Customer Diagnostics 2.7 release from Supportfolio™ (http://support.sgi.com/).

Installation Procedure

To install the online and/or offline diagnostics from the Customer Diagnostics 2.7 release, follow these steps:

1. Log on to the workstation as root.
2. Enter the following command:

   # **cd *`/dir`***

   where *dir* is the directory in which you downloaded the software

3. Enter one of the following commands:

   # **inst -f ws_field_diags_irix**

   (to install the online diagnostics)

   # **inst -f ws_field_diags_stand**

   (to install the offline diagnostics)

   # **inst -f ws_field_diags_***

   (to install all diagnostics)

See the *Silicon Graphics Fuel™ Visual Workstation Hardware User's Guide*, SGI part number 007-4480-00*x*; *Silicon Graphics Tezro Tower Hardware User's Guide*, SGI part number 007-4564-00*x*; or *Silicon Graphics Tezro Rack-Mountable Hardware User's Guide*, SGI part number 007-4643-00*x* for more detailed information about the diagnostics that are available and how to run them.

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