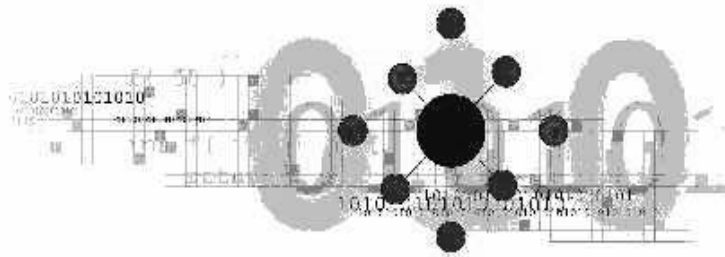**SiliconGraphics**
Computer Systems

IRIX® 6.5.4 Update Guide

Welcome to your Silicon Graphics IRIX 6.5.4 update. This booklet contains:

- A list of key new features in IRIX 6.5.4
- A list of CDs contained in the IRIX 6.5.4 update
- A description of EnlightenDSM 3.1, which is now available but is not included as part of the IRIX 6.5.4 release.
- A guide to SGI Web sites

SiliconGraphics
Computer Systems

May 1999

Dear Valued Customer,

SGI is pleased to present the new IRIX 6.5.4 maintenance and feature release. Starting with IRIX 6.5, SGI created a new software upgrade release strategy, which delivers both the maintenance (6.5.4m) and feature (6.5.4f) streams. This upgrade is part of a family of releases that enhance IRIX 6.5.

There are several benefits to this strategy: it provides periodic fixes to IRIX, it assists in managing upgrades, and it supports all platforms. Additional information on this strategy and how it affects you is included in the **updated** *Installation Instructions* manual contained in this package.

If you need assistance, please visit the Supportfolio Online Web site at: http://support.sgi.com/ or contact your local support provider.

We thank you for your continued commitment to SGI.

Sincerely,

Jorge Helmer
Vice President & General Manager
Customer Support Division
SGI

IRIX 6.5.4 Key New Features

The following features are in the core IRIX 6.5.4 overlays.

(*Beginning with the IRIX 6.5.4 release, the New_IRIX_Info icon is included in the Desktop Toolchest. When you click on this icon, a Web page opens and provides descriptions of the key new features and changes of this IRIX release. More information concerning Key New Features can be found online in "Start Here: Installing IRIX 6.5.4" at http://support.sgi.com.)*

New Hardware Supported

Maintenance and Feature Stream:

- 270 MHz processor for Silicon Graphics O2 and Silicon Graphics Octane workstations
- HDTV XIO Board for Silicon Graphics Onyx2 workstations and SGI Origin 2000 and Cray Origin 2000 servers

Also included, but introduced in 6.5.3:

- Systems using the MIPS R12000 processor
- Digital Video Multiplexer option board (DPLEX) for Onyx
- Redundant Power Supply (RPS)
- 21" Monitor Support for O2 and Octane workstations

Also included, but introduced in 6.5.2:

- Silicon Graphics 1600SW flat panel monitor for O2 systems
- 16-pipe InfiniteReality2E systems
- GSN network adapter

Also included, but introduced in 6.5.1:

- Gigabit Ethernet for Octane and Origin systems
- 128p Metarouter for Cray Origin 2000 systems
- Dual Channel Display option for O2 systems
- XR hardware for InfiniteReality2E
- 225QC for Origin 200

Software

Feature Stream Only

Included, but introduced in 6.5.2:

- Motif 2.1/IRIS ViewKit 2.1
- IRIX Oplock Support
- Support for Non EUC encoding and locales (sjis/big5/gbk/utf8)

Maintenance and Feature Streams

- Support for the Miser queue repack policy
- Distributed Computing Environment (DCE) Client for accessing shared resources in distributed computing DCE/DFS serving environments
  – Kernel libraries only
  – Requires installation of DCE/DFS 1.2.2a software for full functionality

Included, but introduced in 6.5.3:

- (For Octane systems only) The worst-case interrupt response time is guaranteed to be less than one millisecond on properly configured Octane systems
- Support for the X security and appgroup extensions (combined with a new Netscape plug-in; these allow the embedding of X applications in Web pages)
- Extra support for European fonts, including the new Euro currency symbol
- New Software Manager and Inst commands to simplify selections for upgrades

- New Software Manager and Inst configuration variable for easier handling of cases where configuration files are upgraded. See the *smart_config_handling* preference in *inst* or *swmgr* for more information

- Support for LDAP 3.0

Included, but introduced in 6.5.2:

- AutoFS extended to use UNS for map information

- Support for DCShare application sharing extension

- Fibre channel support to Dmnet

- Three new HP printer drivers

Applications CD

Note: Applications take two forms: full images and overlays. The base versions of each can be found on the Applications CD. When full images are updated, new versions are placed on the Applications CD. Upgrades of overlay products, however, are located on the Overlays CD.

- Upgrade to Netscape Communicator 4.51; for details, see http://home.netscape.com/communicator/v4.5/tour/index.html

- Cosmo Player 2.1 release

- SGImeeting Collaboration Environment 1.1, Net-based data-conferencing, application-sharing software (SGImeeting Collaboration Environment 1.0 was added in 6.5.2)

- SGImeeting Extensions 1.1 offers additional whiteboard tools as "plug-ins" that appear on the whiteboard tool palette. These tools are ideal for group discussions in CAD and image-intensive industries. A 90-day evaluation license is included. The following extensions are available:
  - A screen capture tool for dynamic or still whiteboard input
  - A video capture tool for dynamic or still whiteboard input
  - Customizable arrows and dimension markers for easy discussion pointing
  - Symbol palette for drag-and-drop images
  - SmartClear for clearing annotations when captured images update
- WebViewer Library Execution only Environment 3.2 release

For more information about the bundled software that is included with this release, see CD Contents and the Bundled Software and Licenses Web page that you can access from the Welcome Web page.

IRIX 6.5.4 Update Kit Contents

- CDs

CD Name	Server	Workstation
IRIX 6.5.4 (1 of 2) Installation Tools & Overlays CD May '99	✓	✓
IRIX 6.5.4 (2 of 2) Overlays CD May '99	✓	✓
IRIX Applications for 6.5 CD May '99	✓	✓

- The IRIX CD booklet *Installation Instructions: Installing an Intermediate (Overlay) Release, Installing Applications, Installing Software Licenses*

EnlightenDSM 3.1

Not included with IRIX 6.5.4, but now available, is the 3.1 release of EnlightenDSM.

New EnlightenDSM 3.1 Features

- Quick Installation has been incorporated. This allows quick, simple first-time installation and use of the tool.

- With version 3.1, the EnlightenDSM workgroup agents and GUI for SGI IRIX systems have been unlicensed. This means you can install an unlimited number of workgroup agents on the systems you need to manage, and unlimited number of GUIs you need, to manage your heterogeneous systems environment.

Where to Get EnlightenDSM 3.1

SGI customers with an active software support agreement and who have purchased an earlier version of EnlightenDSM product (or received it bundled with IRIX 6.5) can request the EnlightenDSM 3.1 update by calling their local SGI support office.

You can also download EnlightenDSM 3.1 from the SGI Download Cool Software site at: http://www.sgi.com/Products/Evaluation

Silicon Graphics Web Sites

IRIX 6.5-Related Web Sites

- SGI product information

  http://www.sgi.com/products/

- IRIX 6.5 datasheet

  http://www.sgi.com/software/irix6.5/datasheet.pdf

- Start Here: Installing IRIX 6.5.4 documents located on the IRIX 6.5.4 Documentation CD-ROM

  file:/CDROM/WhatsNew/yourSystem.html

- To view all qualified applications compatible with IRIX 6.5 releases, see http://www.support.sgi.com/6.5/spk

Online Tools

- Customer Registration

  http://www.sgi.com/Support/custreg.html

- Software Licensing/Key-O-Matic

  http://www.sgi.com/Support/Licensing.html

- Supportfolio Online

  http://www.support.sgi.com
- Online documentation —Technical Publications Library

  http://techpubs.sgi.com/library/

Year 2000 Compliance

- Information about the Silicon Graphics Year 2000 Program

  http://www.sgi.com/tech/year2000/

Services

- Customer Education Services

  http://www.sgi.com/support/custeducation.html
- Professional Services

  http://www.sgi.com/services/

007-3897-003