

Dear Valued Customer,

Silicon Graphics is proud to announce the release of IRIX 6.5. We hope this document, *IRIX 6.5 Update Guide*, will help you during your transition to this powerful new operating system. In addition, our Professional Services organization is here to assist you with your IRIX 6.5 installation and migration, page 3-6.

Your IRIX 6.5 Update package includes a packing slip that lists the software products to which you are entitled and any necessary software license passwords required to run the applications. In most cases, your existing licenses will support the new releases of the software. Read "Licensing" on page 2-3 for information about obtaining permanent licenses. Please review Chapter 4, "Software Product Knowledge Summary" for detailed information about software product migrations, licensing requirements, and products that are now obsolete.

If you have a Silicon Graphics software support contract with the CD-ROM media option, your IRIX 6.5 Update package includes CD-ROM discs containing all the software products to which you are entitled. If you are a Right-To-Use (RTU) customer, you have chosen not to receive your software updates on CD-ROM discs. As a RTU customer, you have agreed to upgrade the software products included in your Silicon Graphics Maintenance Agreement from another licensed system, which has purchased the CD-ROM media option.

Some outstanding features of IRIX 6.5 include:

- All-platform operating system
- Year 2000 certified and UNIX95 branded as specified by The Open Group
- Exclusive 64-bit UNIX that supports up to 128-processor systems
- New scalability, reliability, and availability features
- Web-enabled desktop environment
- World-class performance for the major industry benchmarks on Origin systems

In an effort to create a complete computing environment, IRIX 6.5 includes suites of applications as part of the basic IRIX package. With the two bundling strategies, you get more functionality for enterprise management and interoperability. You also get a full desktop environment to address your business needs. See "IRIX 6.5 Bundling Strategies: Advanced Server Environment (ASE) and Advanced Workstation Environment (AWE)" on page 1-4 for more information.

In order to produce more stable and mature software releases as well as ensure rapid availability of new features, Silicon Graphics is changing the way customers with support contracts will receive software updates for the base IRIX Operating System. You will now receive maintenance releases with fixes to the base IRIX on a periodic basis. For further details, see "IRIX 6.5 Software Support Policy" on page 1-9.

Thank you for your continued commitment to Silicon Graphics. If you need further assistance visit the Supportfolio Online Web site support.sgi.com or contact your local support provider. For a listing of worldwide technical assistance centers, see www.sgi.com/support/.

Sincerely,



Kenneth Coleman
Senior Vice President
Customer and Professional Services
Silicon Graphics Computer Systems

IRIX 6.5 Update Guide

Document Number 007-3897-001

Contributors

Written by Wendy Stacy, Pamela Thivierge, and Charley Chell, with significant input from many others at Silicon Graphics.

Restricted Rights Legend

Use, duplication, or disclosure of the technical data contained in this document by the Government is subject to restrictions as set forth in subdivision (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 52.227-7013 and/or in similar or successor clauses in the FAR, or in the DOD or NASA FAR Supplement. Unpublished rights reserved under the Copyright Laws of the United States. Contractor/manufacturer is Silicon Graphics, Inc., 2011 N. Shoreline Blvd., Mountain View, CA 94043-1389.

© Copyright 1998, Silicon Graphics, Inc. All rights reserved. Specifications subject to change without notice. Silicon Graphics, IRIX, IRIS, WebFORCE, Onyx, CHALLENGE, Indigo, OpenGL, InPerson, IRIS 5080 Emulator, WebFORCE Intranet Junction, and WebFORCE Mediabase and the Silicon Graphics logo are registered trademarks, and 4DLT, 4DDN, CASEVision, Cosmo Code, Cosmo Compress, Cosmo Create, Cosmo Player, Cosmo Worlds, FDDI Visualyzer, FDDIXPress, Galileo Video, ImageVision, Impresario, Indigo², Indigo² IMPACT, Indigo² Solid IMPACT, Inventor, IRIS Annotator, IRIS InSight, IRIS Performer, IRISconsole, IRIS Failsafe, IRIShare, IRIXPro, IRIX Showcase, Key-O-Matic, MindShare, MineSet, NetVisualyzer, O2, OCTANE, Onyx2, Origin, Origin200, Origin2000, Open Inventor, OpenGL, Performance Co-Pilot, POWER CHALLENGE, POWER CHALLENGEarray, POWER Indigo², POWER Onyx, ProDev, RapidApp, REACT, Sirius Video, StreamCaster, StudioCentral, StudioLive, Trusted IRIX, IRIS ViewKit, WebMagic Pro, WorldView, and XFS. MIPS, R4000, R4400, R8000, R10000 and the MIPS RISC Certified Power logo are registered trademarks, and MIPSpro is a trademark of MIPS Technologies, Inc. Indy is a registered trademark used under license in the U.S. and owned by Silicon Graphics, Inc., in other countries worldwide. UNIX is a registered trademark in the U.S. and other countries, licensed exclusively through X/Open Company Limited. AppleShare is a registered trademark and AppleTalk is a trademark of Apple Computer, Inc. Windows and Windows NT are registered trademarks of Microsoft Corporation. Netscape and Netscape Navigator are registered trademarks and Netscape Communicator is a trademark of Netscape Communications Corporation. Motif is a trademark of Open Software Foundation. NFS, Java, and JavaScript are trademarks of Sun Microsystems, Inc. EnlightenDSM is a trademark of Enlighten. Unicenter is a registered trademark, and TNG is a trademark of Computer Associates International Inc. Netware is a trademark of Novell, Inc. Acrobat Reader is a trademark of Adobe Systems. ArtZ II is a registered trademark of WACOM Technology Corporation. CrystalEyes II is a registered trademark of Stereographic Corporation. Nintendo is a registered trademark of Nintendo America. FLEXIm is a registered trademark of GLOBEtrotter Software, Inc. Gauntlet is a trademark of Trusted Information Systems. All other trademarks mentioned herein are the property of their respective owners.

IRIX 6.5 Update Guide
Document Number 007-3897-001

Silicon Graphics, Inc.
Mountain View, California

Table of Contents

Letter of Introduction

1. IRIX 6.5 Operating System Overview.....	1-1
IRIX 6.5 New Feature Highlights	1-1
<i>Learn how the new features of IRIX 6.5 will enhance your computing experience.</i>	
IRIX 6.5 Bundling Strategies: Advanced Server Environment (ASE) and Advanced Workstation Environment (AWE)	1-4
<i>Discover the details about the new bundling options with IRIX 6.5. Find out about the products that are now part of the basic IRIX package and how you will benefit from each of them.</i>	
Year 2000 Compliance.....	1-8
<i>IRIX 6.5 is the Silicon Graphics recommended solution for Year 2000 compliance. Find out what it means to be Year 2000 compliant and what role IRIX 6.5 and compatible optional software will play in moving your business into the next millennium.</i>	
IRIX 6.5 Software Support Policy.....	1-9
<i>Learn about the new way customers with valid Silicon Graphics software support contracts will receive updates to the base IRIX operating system.</i>	
What Is Not Supported in IRIX 6.5	1-9
<i>Identify which products are not supported in IRIX 6.5 and what options you have if you are using those products.</i>	
2. Installation, Registration, and Licensing	2-1
Installation.....	2-1
<i>Find out where to obtain instructions, tools, and services that will help you during the installation of IRIX 6.5.</i>	
Registration	2-3
<i>Ensure timely delivery of support information, services, and software updates by keeping information about you, your company, and your system up-to-date.</i>	

Licensing 2-3

Information about which optional software products require licenses and how to quickly obtain the licenses you need is detailed here.

3. Documents, Tools, Training, and Professional Services 3-1

Documents 3-1

Your first resource for answering technical questions is the IRIX on-line and printed documentation. Find out what documents are available

Tools 3-4

Silicon Graphics is dedicated to giving you the tools you need to be self-sufficient. Find out about tools to help you during the registration and licensing processes: Customer Registration, CustomerLink, Key-O-Matic. Learn about support tools that will help you keep your system running smoothly: Availmon and Supportfolio Online.

Training 3-7

Training is available for those who want personal instruction. Course descriptions for IRIX 6.5 Migration classes are listed along with how to register for these classes.

Professional Services 3-8

Let Silicon Graphics technical consultants take care of your migration to IRIX 6.5 and your Year 2000 compliance needs. Learn about the services available to you and how to obtain more information.

4. Software Product Knowledge Summary 4-1

Find a list of all software products with information such as product migration, license requirements, product obsolescence, and compatibility with IRIX 6.5.

IRIX 6.5 Operating System Overview

Silicon Graphics is proud to announce the release of IRIX 6.5. IRIX 6.5 is the most powerful, flexible, interoperable, and reliable operating system that Silicon Graphics has ever released. "IRIX 6.5 New Feature Highlights" on page 1-1 describes some of the major benefits of updating your machines with this valuable new operating system.

IRIX 6.5 is being shipped with suites of applications as part of the basic IRIX package. You will find details about the two bundling options in "IRIX 6.5 Bundling Strategies: Advanced Server Environment (ASE) and Advanced Workstation Environment (AWE)" on page 1-4.

IRIX 6.5 is the Silicon Graphics recommended solution for Year 2000 compliance. Information about how IRIX 6.5 and Silicon Graphics services are ready to help your business move into the next millennium are detailed in "Year 2000 Compliance" on page 1-8.

Silicon Graphics has changed the way customers with software support contracts will receive updates to the base IRIX operating system. Read "IRIX 6.5 Software Support Policy" on page 1-9 for more information.

"What Is Not Supported in IRIX 6.5" on page 1-9 will help you identify what products are not supported in IRIX 6.5 and what options you have if you are using those products.

IRIX 6.5 New Feature Highlights

The IRIX 6.5 operating system has numerous new and improved features to increase our industry-leading performance through advances in scalability, reliability, availability, heterogeneous enterprise integration, Web-enabled visual desktop, improvements to Origin systems, and a rich development environment. The following pages highlight just a sampling of the many advantages you will gain by upgrading to IRIX 6.5.

Single, All-Platform Operating System

IRIX 6.5 provides a high quality and stable operating system for all Silicon Graphics systems. It supports all Silicon Graphics platforms on the current product line: Origin200, Origin 2000, Onyx2, OCTANE, and O2. IRIX 6.5 also supports the older systems: CHALLENGE, Onyx, Indigo², Indigo, and Indy. Most applications built on releases of IRIX 5.3 and above run without recompilation on IRIX 6.5. This cross-platform compatibility makes communication and file sharing between different Silicon Graphics machines an effortless experience. By updating all of your Silicon Graphics machines to this single operating system, it is likely that you will reduce maintenance issues and system administration costs.

See “What Is Not Supported in IRIX 6.5” on page 1-9 for information about what IRIX 6.5 is not compatible with and what options are available if you use these products.

IRIX 6.5 Meets Major Industry Standards

In compliance with UNIX standards, IRIX 6.5 supports all the major industry standards, including POSIX, UNIX SVR4, X11 and Motif, and OpenGL with the addition of:

- Year 2000 compliance as defined by The Open Group
See “Year 2000 Compliance” on page 1-8 or visit Silicon Graphics year 2000 Web site at www.sgi.com/tech/year2000 for more information.
- UNIX95 Certified Single UNIX Specification - Spec 1170/UNIX95
See www.UNIX-systems.org/what_is_unix/single_unix_specification.html for more information on the UNIX95 certification standard set by The Open Group.
- DII-COE Kernel Version 3.2, available for development projects
For more information about DII-COE, see spider.osfl.disa.mil/dii/.
- Full pthreads support, including system scope

Scalability with Symmetric Multiprocessing (SMP)

IRIX 6.5 provides breakthrough SMP scalability by supporting up to 128 processors in a single-system implementation on Origin2000 systems. For workstations, Onyx2 supports up to 16 processors and OCTANE up to two processors. Through the use of fine-grained multi-threading as well as innovative scheduling and virtual memory enhancements, IRIX 6.5 delivers industry-leading scalable SMP performance for parallel applications and complex workloads. The specific memory enhancements support up to 256GB of physical memory and 82GB-per-second sustained I/O.

Reliability, Availability, and Serviceability (RAS) Improvements

IRIX 6.5 has been thoroughly tested to ensure it can interoperate in a host of heterogeneous environments. Additional error recovery code allows applications to gracefully recover

from a variety of errors and conditions. Recovery tools have been improved and are leveraged to keep your applications and systems available in the event of a failure. Advancements in monitoring tools help identify problems before they affect system operation.

Heterogeneous Enterprise Integration

Managing the distributed enterprise of computer systems is a challenge for all corporations today. However, IRIX 6.5 and its bundled software make it easy for PC applications to be run on an IRIX desktop. File sharing with other UNIX systems, PCs, and external devices, such as printers, can be driven from any system and is accessible from Silicon Graphics systems. In general, IRIX 6.5 makes it possible to have transparent interoperability with other operating systems.

Web-Enabled Visual Desktop Environment

IRIX Interactive Desktop is the IRIX 6.5 desktop environment. It offers increased value for Web integration, system administration, network awareness, and multimedia support. You can customize your work environment in three areas: the start-up login screen, the desktop itself, and the accessibility settings. This Web-enabled desktop environment gives you tremendous access to the tools and information you need to maximize your productivity.

Improvements to Origin Systems

IRIX 6.5 has improved Origin reliability, availability, and serviceability by the addition of the Single Bit Error (SBE) reporting mechanism, the option to automatically disable failing components during the booting process, and the extended memory error handling features.

IRIX 6.5 makes Origin systems more scalable by supporting both single-system environments and partitioned system environments consisting of up to 128 processors. The single-system environment provides a single-system image, supports balanced batch and timeshare workloads, and uses a single administrative entity. The partitioned system environment provides a partitioned system image with firewalls between each Origin system, allowing administration of the partitions through IRISconsole. You also have the option to increase application availability with IRIS FailSafe.

More Information

For the most up-to-date information about IRIX 6.5, visit Supportfolio Online at support.sgi.com.

To review the IRIX 6.5 datasheet, see www.sgi.com/software/irix6.5/datasheet.pdf.

For a detailed listing of the new features available in IRIX 6.5, see *Key New Features and Changes* in the *Start Here: Installing IRIX 6.5* document located on the *IRIX 6.5 Documentation* CD-ROM. This documentation is installed by default when you install IRIX 6.5. For instructions on how to view this document, see "Accessing the Start Here Pages" on page 2-2.

IRIX 6.5 Bundling Strategies: Advanced Server Environment (ASE) and Advanced Workstation Environment (AWE)

In an effort to create a complete computing environment, IRIX 6.5 includes bundled software applications. There are two bundling strategies: Advanced Server Environment (ASE) and Advanced Workstation Environment (AWE). IRIX 6.5 ASE and AWE bring greater value to your system by providing tools for interoperability and enterprise system management.

Advanced Server Environment (ASE)

Combined with the superior scalability and performance of IRIX 6.5, the Advanced Server Environment (ASE) extends the performance and manageability of systems from the Origin and CHALLENGE families. IRIX 6.5 ASE enables faster data serving, access to different filesystems, reduced total cost of ownership, and improved interoperability.

IRIX 6.5 ASE is shipped automatically for all Silicon Graphics servers upgrading to IRIX 6.5 and must be ordered with any new server system purchases. IRIX 6.5 ASE supports Origin, CHALLENGE, and POWER CHALLENGE platforms.

Advanced Workstation Environment (AWE)

When the power and flexibility of IRIX 6.5 is coupled with the Advanced Workstation Environment (AWE), your Silicon Graphics workstation brings powerful visualization capabilities while enabling superior interoperability and manageability. IRIX 6.5 AWE also provides total solutions for data sharing and serving, Web browsing, authoring and serving, desktop productivity, work group management, and network management.

IRIX 6.5 AWE is shipped automatically for all Silicon Graphics workstations upgrading to IRIX 6.5 and must be ordered with any new workstation purchases. IRIX 6.5 AWE supports O2, OCTANE, Onyx2, Indigo R4000, Indigo², Indy, Onyx, POWER Indigo², and POWER Onyx platforms. AWE is available in English, Japanese, French, German, Chinese, and Korean.

Product Bundling Strategy for IRIX 6.5 ASE and AWE

Table 1-1 lists the products bundled in IRIX 6.5 ASE and AWE. A checkmark indicates that the product is part of the bundle. This table also provides a brief benefit statement and directs you to more information about each product.

Table 1-1 Product Bundling Strategy for IRIX 6.5 ASE and AWE

Product Name	ASE	AWE	Customer Benefit and Product Notes
Mature Operating Environment			
IRIX 6.5	✓	✓	See "IRIX 6.5 New Feature Highlights" on page 1-1 or visit www.sgi.com/software/irix6.5/ for more information.
XFS	✓	✓	XFS provides full 64-bit file capabilities that scale easily to handle extremely large files and filesystems that grow to 1 TB. The XFS filesystem integrates volume management, guaranteed-rate I/O, and journaling technology for fast, reliable recovery. Filesystems can be backed up while still in use, significantly reducing administrative overhead. For more information about XFS, see www.sgi.com/products/remanufactured/challenge/ti_xfs.html .
Total Cost of Ownership/Enterprise Management			
NFS	✓	✓	NFS is the premier tool for high-performance data sharing and serving. NFS allows you to access file hierarchies across a network and treat them as if they were local. The file hierarchies can be entire filesystems or individual directories. Differences in machine type, operating system, and network structures are transparent to the NFS application. For more information about NFS, visit Supportfolio Online at support.sgi.com .
EnlightenDSM/ Workgroup	✓ ¹	✓ ¹	EnlightenDSM/Workgroup provides a cohesive product for managing mixed UNIX and Windows NT environments from a centralized console. Client licenses, Distributed Systems Agent (DSA), are shipped with AWE or with support upgrades to ASE. DSA is required to run on any host that EnlightenDSM/Workgroup will be used to manage. This includes servers, workstations, and systems from which the management console will be accessed. In order to use EnlightenDSM/Workgroup, you will need to purchase a server license. Contact your local sales office and request EnlightenDSM/Workgroup Group Management Server. The marketing code is SC4-DSMSWG-1.1. Note 1: EnlightenDSM/Workgroup will be available and shipped automatically to customers with a valid Silicon Graphics software support contract by the end of 1998.

Table 1-1 Product Bundling Strategy for IRIX 6.5 ASE and AWE

Product Name	ASE	AWE	Customer Benefit and Product Notes
HP-UX MIB (SNMP)	✓	✓	Allows instant network manageability in enterprise environments.
Computer Associates Unicenter TNG Framework	✓ ²		This is the basis for the Unicenter TNG large-enterprise management tool in heterogeneous environments. Note 2: Computer Associates Unicenter TNG Framework will be available and shipped automatically to customers with a valid Silicon Graphics software support contract by the end of 1998.
Database Accelerator (DBA)	✓ ³		DBA optimizes database scalability and enhances manageability of Decision Support Systems and Data Warehouse systems. Note 3: DBA will be available and shipped automatically to customers with a valid Silicon Graphics software support contract by the end of 1998.
Checkpoint/Restart	✓		Checkpoint/Restart helps in the recovery process when a failure occurs by taking a snapshot, or checkpoint, of an application periodically. In the event an application is involuntarily interrupted, it can be restarted from the checkpointed state. For more information, type <i>man cpr</i> in a UNIX shell.
Interoperability			
Novell NetWare Client	✓	✓	Makes it possible to file mount, file access, and use print services on Novell NetWare Client servers.
SAMBA	✓	✓	SAMBA makes it possible to file mount, file access, and use print services with Windows, Windows 95, Windows NT, and SMB servers.
Xinet AppleTalk	✓	✓	Allows AppleShare client and server capabilities, including file mounting, data sharing, and local printing. For more information about Xinet AppleTalk, see www.xinet.com .
Web Tools			
Netscape Communicator	✓	✓	Browse the Web, send and receive e-mail, read news, and compose Web pages. Netscape Communicator includes Netscape Navigator, Messenger (e-mail), Collabra (news reader), and Communicator Page Compose, with support for Java, JavaScript, and more plug-ins. For more information about Netscape Communicator, see www.netscape.com/browsers/

Table 1-1 Product Bundling Strategy for IRIX 6.5 ASE and AWE

Product Name	ASE	AWE	Customer Benefit and Product Notes
Netscape FastTrack Server	✓	✓	<p>Netscape FastTrack Server is an entry-level Web server that provides a robust engine for publishing and serving static and dynamic Web pages. It offers a rich environment for building or deploying many types of Web or database applications while remaining extremely easy to use and manage.</p> <p>For more information about Netscape FastTrack Server, see home.netscape.com/fasttrack/v3.0/index.html.</p>
Cosmo Create	✓	✓	<p>Cosmo Create is a WYSIWYG system for integrating scripts, applets, and other media into HTML Web creations. Designed to work with popular Web tools and browsers, Cosmo Create smooths and enhances Web production workflow without the need to do HTML coding.</p> <p>For more information, see cosmosoftware.com/products/create/.</p>
Outbox	✓	✓	<p>Outbox configures your machine as a fully functional Web server. It allows you to publish files on the Web and adds the capability to easily share files with co-workers.</p> <p>For more information, see the Outbox release notes.</p>
Desktop Productivity			
Adobe Acrobat Reader	✓	✓	<p>Allows you to view, navigate, and print PDF files across all major computing platforms.</p> <p>For more information about Adobe Acrobat Reader, visit www.adobe.com/prodindex/acrobat/readstep.html.</p>
IRIS Showcase	✓	✓	<p>IRIS Showcase is an integrated drawing and presentation program. It provides the tools you need to create text, images, 3D models, on-screen slide shows, and much more.</p> <p>For more information, see the IRIS Showcase release notes.</p>
Digital Media Tools	✓	✓	<p>Use the Digital Media Tools to integrate audio, video, compression, movies, and speech into your applications. They are available under <i>MediaTools</i> in the <i>Find</i> submenu of your <i>Toolchest</i>.</p> <p>For more information, see www.sgi.com/Products/media_libs.html.</p>
Personal System Administration Tools	✓	✓	<p>These tools guide you through some system management tasks without needing assistance from a system administrator. Tasks include adding a modem, mounting a remote file system and accessing a remote printer. They are located in the <i>System</i> submenu of your <i>Toolchest</i>.</p>

Year 2000 Compliance

The Year 2000 problem is a major challenge that all organizations are facing today. IRIX 6.5 is the Silicon Graphics recommended solution for Year 2000 compliance. We recognize, however, that this new operating system is only a step toward your total transition to Year 2000 compliance. Therefore, we have created the Silicon Graphics Year 2000 Program, which is designed not only to assure you that Silicon Graphics products are compliant, but also to provide assistance in your Year 2000 transition. For detailed information about the Silicon Graphics Year 2000 Program, see www.sgi.com/tech/year2000/. See "Professional Services" on page 3-8 for information about services Silicon Graphics offers to help you during this transition.

As part of our Year 2000 compliance effort, Silicon Graphics engineers designed tools that scan IRIX and IRIX applications for potential Year 2000 bugs. These tools are available to you free of charge at www.sgi.com/tech/year2000/scanning.html. You can scan legacy code and other software applications to assess the impact of Year 2000 issues on your organization.

Optional Software

All of the Silicon Graphics optional software applications released with IRIX 6.5 are Year 2000 compliant. Visit our Web site at www.sgi.com/tech/year2000/ for more information.

Silicon Graphics is also actively working with third-party vendors to encourage and assist in porting their applications to IRIX 6.5. As part of this effort, we are helping our software partners determine whether their IRIX applications are currently Year 2000 compliant. In the few cases where the applications do not meet Year 2000 compliance, we will provide technical assistance and guidance to meet the compliance standards.

Alternate Year 2000 Compliance Options

Silicon Graphics recommends that you upgrade all machines to the IRIX 6.5 operating system before the end of 1999. However, we realize that this is not always possible. For that reason, Silicon Graphics has created patches for previously released IRIX operating systems to aid in Year 2000 compliance.

Year 2000 compliance patches for IRIX 5.3, 6.2, 6.3, and 6.4 fix the known Year 2000 bugs in the base IRIX operating systems. To achieve total system compliance on these platforms, you will also need to certify your software products that run on top of the base operating system. If you have a valid Silicon Graphics software support contract, you can use Supportfolio Online, support.sgi.com, to obtain the patches appropriate for your system.

Note: Releases of the IRIX operating system prior to IRIX 5.3 are not supported in the Year 2000 and beyond. These operating systems have not been rigorously tested for Year 2000 compliance. In particular, IRIX 4.0.5 is known to have significant Year 2000 bugs and should not be used after the end of 1999.

IRIX 6.5 Software Support Policy

In order to produce more stable and mature software releases as well as ensure rapid availability of new features, customers with a valid Silicon Graphics software support contract will now receive maintenance releases with fixes to the base IRIX on a periodic basis. Maintenance releases are the equivalent of today's Recommended and Required Patch Sets.

With the release of IRIX 6.5 our actively supported (bug fixes, enhancements and phone support) major releases are IRIX 6.2, 6.3, 6.4, and 6.5. We will continue to support IRIX 5.3 through telephone support. Phone support will be limited to basic usage and configuration questions. Further engineering efforts related to the IRIX 5.3 release will be at the discretion of Silicon Graphics and limited to:

- Year 2000 Compliance
- Data Integrity
- System Security

What Is Not Supported in IRIX 6.5

IRIX 6.5 is an all-platform release with the exception of Crimson systems. You can upgrade from IRIX 5.3, 6.2, 6.3, or 6.4. Other than Crimson, IRIX 6.5 supports all Silicon Graphics systems with R4000, R4400, R5000, R8000, and R10000 CPU types.

The following peripherals are not supported on IRIX 6.5:

- Vigna VME audio board
- GIO Token Ring
- GIO Sync Serial Card
- EISA Sync Serial Card
- VME Sync Serial Card
- VME Token Ring Card

For a detailed reference of all software products and their compatibility with IRIX 6.5, see Chapter 4, "Software Product Knowledge Summary."

If there is a product not supported in IRIX 6.5 that you are interested in using, contact your local sales representative or authorized reseller for information on Silicon Graphics Professional Services or remanufactured products. All Silicon Graphics remanufactured systems are IRIX 6.5 certified. In addition, the IRIX 5.3 or 6.2 operating systems and most associated Silicon Graphics application software are available as options on Indy, Indigo², CHALLENGE, and Onyx systems through the year 2000.

Downgrade kits to IRIX 6.3 and 6.4 are available at no extra charge for customers who do not wish to run IRIX 6.5 on their new Silicon Graphics systems. The marketing codes for the downgrade kits are the same as they were for new IRIX 6.3 or 6.4 operating systems.

Table 1-2 Downgrade Kits

Marketing Code	Price	Kit	Platform
SC4-IRIX-6.3	N/C	Downgrade to IRIX 6.3	O2 only
SC4-IRIX-6.4.1	N/C	Downgrade to IRIX 6.4	Origin, Onyx2, OCTANE

Installation, Registration, and Licensing

Installation, registration, and licensing of new and updated software can be a time-consuming task. However, IRIX 6.5 and compatible optional software products have well-documented instructions, tools, and services available to help expedite your upgrade process.

Find out where to obtain instructions, tools, and services that will help you during the installation of IRIX 6.5 in “Installation” on page 2-1.

Ensure timely delivery of support information, services, and software updates by keeping information about you, your company, and your system up-to-date. Read “Registration” on page 2-3 to determine what you need to do to maintain your customer profile.

Information about which optional software products require licenses and how to quickly obtain the licenses you need is detailed in “Licensing” on page 2-3.

Installation

The CD-ROM discs for IRIX 6.5 and optional software are accompanied by a booklet called *Installation Instructions*. To upgrade your operating system it is important that you follow the step-by-step instructions in this booklet. Each CD-ROM also contains online documentation, including books, man pages, and release notes. Please read this information before installing your software. We also highly recommend that you take a moment to review the *Start Here: Installing IRIX 6.5* document located on the *IRIX 6.5 Documentation* CD-ROM.

Start Here: Installing IRIX 6.5 provides important information and useful checklists to help you manage your upgrade to IRIX 6.5. Below is a sampling of the information you will find:

- A list of key new features and changes
- Memory and disk space requirements
- A list of supported platforms
- A list of obsolete peripherals
- Important pre- and post-installation caveats

- CD-ROM descriptions with information about the order in which you should install the CD-ROMs, lists of CD-ROM contents, and the Software/CD Index, which provides an alphabetical listing of IRIX 6.5 software
- Myriad pointers to other useful resources, including lists of supported third-party software, how to access release notes, using Software Manager or Inst, and finding patches

Accessing the Start Here Pages

Start Here: Installing IRIX 6.5 is located on the *IRIX 6.5 Documentation* CD-ROM. This documentation is installed by default when you install IRIX 6.5.

Note: The directions for accessing the *Start Here: Installing IRIX 6.5* document in the *Installation Instructions* CD-ROM booklet are incorrect. Please use the following instructions:

To view *Start Here: Installing IRIX 6.5* before installation:

1. Insert the documentation CD-ROM into your CD-ROM drive.
2. Open a Web browser and go to:
file:/CDROM/WhatsNew/yourSystem.html
3. Click the *Start Here* link.

To view *Start Here: Installing IRIX 6.5* after installation:

1. Double-click the *Welcome_to_SGI* icon on your desktop.
2. Click the *Start Here* link on the page that appears.

More Information

The *IRIX 6.5 Documentation* CD-ROM contains all the documentation available on each of the IRIX 6.5 CD-ROMs. This allows you to view the documentation for IRIX 6.5 through your CD-ROM drive before you install the new operating system. Once IRIX 6.5 is installed on your system, you can access this information through the *Help* sub-menu of your *Toolchest*.

The Silicon Graphics Technical Publications Library allows you to access all of the IRIX 6.5 books on the Web at *techpubs.sgi.com/library*.

See Chapter 3, "Documents, Tools, Training, and Professional Services," for information about training and services available to help you during your upgrade to IRIX 6.5.

Registration

To ensure timely delivery of support information, services, and software updates, Silicon Graphics needs accurate information about you, your company, and your system. Use Customer Registration to create your initial customer profile record. For subsequent updates to your profile, use CustomerLink. See “Customer Registration and CustomerLink” on page 3-4 for more information about these tools.

When registering with Customer Registration, you also have the opportunity to give us feedback about your experience with purchasing Silicon Graphics systems. Tell us if your system arrived when you expected it and if the shipment was complete, if it was easy to install and if it functioned properly after installation. Let us know if there are any software, hardware, or service offerings you feel Silicon Graphics should be providing. As a token of our appreciation for your input, each new registered user will receive a set of custom screen savers and will be included in the quarterly raffle. Prizes include a fully configured desktop Silicon Graphics workstation, a Silicon Graphics service certificate worth \$1000, an external disk drive and memory upgrade, a Ricoh FS2 color scanner, an ArtZ II graphics tablet, a CrystalEyes II electronic LCD eyewear, and a Nintendo 64 game system.

Licensing

Some products require a license password to run on your system. Use Table 2-1 to determine which IRIX 6.5 optional software require license passwords with their updates. Note that the term *version* used in this table refers to the application’s version and not the FLEXlm license version.

Table 2-1 IRIX 6.5 Optional Software Requiring License Passwords

Product Name	IRIX 6.5 Compatible Version	License Password Requirements
Annotator	1.2	Compatible with version 1.1 and higher license keys
Cosmo Create	1.0.3	No longer requires a license key
Cosmo Code	2.3	Compatible with version 2.X licenses
Cosmo Worlds	1.0.3	Compatible with version 1.X and higher license keys
Gauntlet	4.1	New license required, it is not compatible with earlier license keys
Impressario Server	2.2.5	Compatible with version 2.X license keys
MediaBase	3.0	New license required, it is not compatible with earlier license keys
MineSet Server	2.5	New license required, it is not compatible with earlier license keys. Also, Varsity customers require special <i>MineSet Varsity</i> licenses

Table 2-1 IRIX 6.5 Optional Software Requiring License Passwords

Product Name	IRIX 6.5 Compatible Version	License Password Requirements
MineSet Client	2.5	New license required, it is not compatible with earlier license keys. Also, Varsity customers require special <i>MineSet Varsity</i> licenses
MIPSPRO C++	7.2.1	Compatible with version 7.2 license keys
MIPSPRO C	7.2.1	Compatible with version 7.2 license keys
MIPSPRO Fortran 77	7.2.1	Compatible with version 7.2 license keys
MIPSPRO Fortran 90	7.2.1	Compatible with version 7.2 license keys
MIPSPRO APO	7.2.1	Compatible with version 7.2 license keys
Netscape Servers		All Netscape server upgrades work with existing license keys
Share II	2.0	New license required
ProDev Workshop	2.6.8	Compatible with version 2.6.X license keys

Many of the products that will be shipping with the IRIX 6.5 update require the use of a license password. In most cases, your existing license password from your previous version will work with this newer revision of the application. In these cases, for your reference, we are providing your existing license passwords with your update packages.

For some of the products, a new license password is required to run the application. For these products, your update package will contain the license passwords you need or an entitlement id number that can be used to obtain permanent licenses from Key-O-Matic. To obtain license passwords quickly via Key-O-Matic, please visit our licensing website at: www.sgi.com/Products/license.html

For your convenience, to electronically obtain your new update licenses and/or entitlement id numbers (so that you can cut and paste the information vs. manually typing the data), please send email to license@sgi.com. Put "Shipper" in the subject header and please include your shipper number and one of the system serial numbers from your shipper detail in the body of the message (needed for verification).

We are pleased to announce an additional helpful tool - "License Lookup" email autobot. This can be used to query for any Permanent or non-expired evaluation licenses that have been generated for your system(s). Our website address is: www.sgi.com/Support/Licensing/license_lookup.html

If you need any other assistance regarding licensing, including license installation and troubleshooting, please visit our licensing website at: www.sgi.com/Products/license.html

Note: If you know you are entitled to software products that require a password and you did not receive license information on your packing slip, contact your local support provider.

License Request Instructions

There are three methods for requesting a license:

- Key-O-Matic, the Silicon Graphics recommended method for requesting a license, provides an online solution for obtaining software licenses, and is available both on the Web and through email. Please see “Key-O-Matic” on page 3-5 for more information regarding this powerful tool.
- Fill out the *Permanent License Request Form*, available as an insert in your software installation booklet, and Fax it to your local support provider.
- Call your local Silicon Graphics Technical Assistance Center. For a listing of worldwide technical assistance centers, see www.sgi.com/support/.

More Information

For more information about licensing, including installation and troubleshooting, visit the Silicon Graphics Software Licensing Web site at www.sgi.com/Products/license.html.

For a detailed reference of all software products and their licensing requirements for IRIX 6.5, see Chapter 4, “Software Product Knowledge Summary.”

Documents, Tools, Training, and Professional Services

Silicon Graphics offers a wide range of documentation, tools, training, and services to help you maximize your computing investments.

Your first resource for answering technical questions is the IRIX on-line and printed documentation. Find out what documents are available by reading "Documents" on page 3-1

Find out about the tools that will help you become self-sufficient during registration and licensing of products and during system maintenance and support by reading "Tools" on page 3-4.

Silicon Graphics has developed training courses for those who want personal instruction in migrating to IRIX 6.5. Class descriptions and information about how to register for these courses is available in "Training" on page 3-7.

Let Silicon Graphics technical consultants handle all of your migration to IRIX 6.5 and your Year 2000 needs. Learn about the Professional Services available to you and how to obtain more information in "Professional Services" on page 3-8.

Documents

Start Here: Installing IRIX 6.5

The "Start Here: Installing IRIX 6.5" information is included on the IRIX 6.5 Base Documentation CD so that you can view the information before you install the IRIX 6.5 release (see the description of the IRIX 6.5 Base Documentation CD under "Online documentation" below). To access this information, see "Start Here: Installing IRIX 6.5" on page 2-2.

Online Documents

The IRIX 6.5 CDs include all online documentation to support the IRIX 6.5 operating system and associated products provided with the IRIX 6.5 release. The IRIX 6.5 online documentation includes books, man pages Quick Answers, Hints and Shortcuts, and release notes (relnotes).

- Quick Answers gives you brief answers to common questions related to the tasks and tools that are a part of your system's end user software environment.
- Hints and Shortcuts gives you a good visual overview of ways to make the desktop environment work for you.
- Release notes provide release-specific notes for all installed products and groups of products provided with the IRIX 6.5 release. Each release note includes the following information specific to that product: installation information, licensing information, changes and additions, bug fixes, known problems and workarounds, and important documentation errors found before IRIX 6.5 was released but after the IRIX 6.5 books were completed for this release.

The online documentation is provided in InSight/InfoSearch format. Print capability exists from both InSight and InfoSearch. InfoSearch provides a web-like interface for searching, browsing, and viewing online information. After the IRIX 6.5 release is installed, you can access this online documentation through the Toolchest -> Help pulldown menu. In addition, you can access the online help for most software through a Help menu or button on the application window.

- A separate IRIX 6.5 Base Documentation CD is provided, which includes the same online documentation as the IRIX 6.5 CDs. The IRIX 6.5 Base Documentation CD has InSight and InfoSearch interfaces to the documentation. Online documentation is read directly from the Base Documentation CD off of the CD drive, allowing you to read the IRIX 6.5 documentation before you install the IRIX 6.5 release.
- The IRIX 6.5 public bookshelf on the Technical Publications Library lets you access all IRIX 6.5 books on the Web. You can also download PDF and PostScript files of most books from the Summary page of the book. The Technical Publications Library World Wide Web site is located at techpubs.sgi.com/library

Printed Documents

The IRIX 6.5 Advanced Server Environment (ASE) update package includes a printed core set of IRIX 6.5 installation and IRIX administration configuration books as a resource to you at times when you may be unable to use your system to view the books online. For all IRIX 6.5 platforms, these books as well as all others are included online.

IRIX Admin: Software Installation and Licensing

IRIX Admin: Disks and Filesystems

IRIX Admin: System Configuration and Operation

ONC3/NFS Administrator's Guide

Note: Most IRIX 6.5 printed books are available for purchase. For purchasing information, see the Summary page of the book on the World Wide Web Technical Publications Library.

Document Revisions

Most of the core IRIX System Administration Books and Help Information have been revised for the IRIX 6.5 Release. The following lists shows the books that have been revised:

007-1364-090, IRIX Admin: Software Installation and Licensing
007-0911-110, IRIX Device Driver Programmer's Guide
007-3316-002, WebFORCE Internet Gateway Installation Guide
007-2859-005, IRIX Admin: System Configuration and Operation
007-2825-004, IRIX Admin: Disks and Filesystems
007-2860-004, IRIX Admin: Networking and Mail
007-0850-110, ONC3/NFS Administrator's Guide
007-2161-002, NIS Administrator's Guide
007-0810-080, IRIX Network Programming Guide
007-2861-003, IRIX Admin: Peripheral Devices
007-2862-003, IRIX Admin: Backup, Security, and Accounting
007-3236-003, IRIX Checkpoint and Restart Operation Guide
007-0855-040, Diskless Workstation Administration Guide
007-3548-002, Cray Message System Programmer's Guide
007-3300-002, Trusted IRIX/CMW Security Feature User's Guide
007-3299-002, Trusted IRIX/CMW Security Administration Guide
007-2478-006, Topics in IRIX Programming
007-1342-150, Desktop User's Guide
007-1366-120, Personal System Administration Guide
Desktop Error Message Help
How Do I Help
SGIHelp Viewer Help
Insight Help
Nedit Help

In addition, the following IRIX system administration book has been obsoleted; a version was not compiled for the IRIX 6.5 release:

007-2159-006, IRIX Admin: Selected Reference Pages

Tools

Silicon Graphics is committed to helping you become more productive by providing valuable tools to aid during registration, licensing, and troubleshooting system problems. Table 3-1 provides a quick overview of a few of the tools available. Information about what benefits you will gain and how to access the tools is listed. Further details about each of these tools follow the table.

Table 3-1 Overview of Tools

Tool Name	Benefit	Where to Go
Customer Registration	Streamline your support deliveries by creating your own initial customer profile record.	Double click the <i>Register_To_Win</i> icon that is located on your desktop.
CustomerLink	Ensure timely delivery of software and literature updates by keeping your customer profile up-to-date.	Select <i>SupportTools</i> from the <i>Find</i> sub-menu of your <i>Toolchest</i> to locate CustomerLink.
Key-O-Matic	Obtain license passwords quickly and easily through Key-O-Matic.	www.sgi.com/Products/license.html or via e-mail at license@sgi.com .
Availmon	During installation, Availmon helps by monitoring system availability, reviewing system history, and configuring notification of system problems.	Availmon runs in a UNIX shell. For information on how to access and use Availmon, open a UNIX shell and type <i>man availmon</i> .
Supportfolio Online	Find answers to your support questions through a simple keyword search. Download the patch sets and patches you need in order to improve system performance. Open and manage support cases directly with the Silicon Graphics Technical Assistance Center.	support.sgi.com

Customer Registration and CustomerLink

To ensure timely delivery of support information, services, and software updates, Silicon Graphics needs accurate information about you, your company, and your system. Use Customer Registration to create your initial customer profile record. Simply double click the *Register_To_Win* icon located on your desktop to access Customer Registration. For subsequent updates to your profile, use CustomerLink.

CustomerLink provides a desktop interface to your profile information stored in the Silicon Graphics database. It allows you to view, maintain, and update information pertaining to

you and your relationship with Silicon Graphics. Select *SupportTools* from the *Find* submenu of your *Toolchest* to locate CustomerLink. *SupportTools* is part of your *Icon Catalog*. Drag and drop the *custlink* icon to your desktop for easy access to this valuable tool.

A sample of the information requested in Customer Registration and CustomerLink follows:

- Contact information about you and your system administrator
- Company name and address
- System serial number
- System ID number

Note: Customer Registration and CustomerLink use the Internet to transmit information between your site and Silicon Graphics. THE INTERNET IS A PUBLIC USE EXCHANGE AND NOT A SECURE COMMUNICATIONS MECHANISM. For this reason, please do not send information through these tools that is confidential to your company or your business partners. Confidential information includes passwords, usernames, hostnames, product plans, customer data, or other similar information. Silicon Graphics, Inc., disclaims all representations and warranties regarding the confidentiality and/or the security of data exchanged with these tools.

More Information

For more information about Customer Registration, visit www.sgi.com/Support/custreg.html.

See the *custlink* release notes and reference pages for more information about CustomerLink.

Key-O-Matic

Key-O-Matic is an automatic license fulfillment system. It operates via both the Web and e-mail, allowing you to request permanent, evaluation, and emergency license passwords for your Silicon Graphics systems.

Access Key-O-Matic at www.sgi.com/Products/license.html or send a blank e-mail message to license@sgi.com to obtain a license request template. Include "upgrade" or "6.5 upgrade" in the subject header of your blank e-mail for a template that is specifically designed for upgrade license requests. To get a template for an evaluation or emergency license, send your blank e-mail to demolicense@sgi.com.

Permanent license requests must include your proof of purchase in the form of a purchase order number, sales order number, or, preferably, the Silicon Graphics software license Entitlement ID number that was provided with your software purchase or upgrade. Requests that include valid Entitlement ID numbers are processed automatically.

More Information

Visit the Key-O-Matic Web site at www.sgi.com/Products/license.html or see the Key-O-Matic frequently asked questions Web page for more information at www.sgi.com/Support/Licensing/KOM_FAQ.html#KOM_Questions.

Availmon

Availmon is a set of monitoring tools available on IRIX 6.5 that works with *icrash* (1M) and the Field Replaceable Unit (FRU) analyzer to collectively monitor and report system availability and crash diagnostic information. Availmon is ideal for high-end systems and other customer sites where monitoring uptime is important.

You can use the availability information collected by Availmon to evaluate system reliability and availability. The availability information includes the time when the system was booted, the time of crash or shutdown, the time when the system is brought back up after the crash or shutdown, and, in the case of a crash, the summary of the crash. This information is presented in a report format, known as an availability report.

You can use the crash diagnostic information as a debugging aid. A diagnostic report contains all the information from the corresponding availability report, plus important SYSLOG messages and changes to system hardware, graphics and software configurations gathered from *hinv*(1M), *gfxinfo*(1M), and *versions*(1M), respectively. In case of a crash or panic, the diagnostic report also includes the full crash analysis report generated by *icrash*(1M).

Availmon is embedded in system boot and shutdown processes and collects information at every shutdown and reboot. It identifies the cause of a shutdown by gathering information from diagnostic programs. Availmon differentiates between controlled shutdowns, system panics, and system hangs. On high-end systems such as IP19, IP21, IP25, and IP27, Availmon can further differentiate between NMIs, power cycles, and power failures.

More Information

For more information about Availmon, see *IRIX Admin: System Configuration and Operation*, 007-2859-005. This manual, and many other Silicon Graphics manuals, are online on the Silicon Graphics Technical Publications Library at techpubs.sgi.com/library/.

The following reference pages have additional details about Availmon: *availmon*(5), *amconfig*(1M), *amregister*(1M), *amreport*(1M), and *amsend*(1M).

Supportfolio Online

Supportfolio Online is the real-time solution for managing and troubleshooting your Silicon Graphics systems. It provides immediate access to online patches, technical support information, and case reporting and management features. Supportfolio Online enables you to tackle support issues more efficiently. You will save time and increase productivity by utilizing the information and services available.

- Find technical support information quickly and easily

- Access and download the latest patch sets or patches
- Open, update, and manage technical support cases conveniently from your desktop

Anyone is welcome to become a Supportfolio Online member. However, to take full advantage of all the features, you must have a valid Silicon Graphics software support contract.

More Information

Visit the Supportfolio Online Web site for more information at support.sgi.com.

Training

Silicon Graphics Customer Education offers lecture-based seminars for those who want personal instruction for migrating to IRIX 6.5. Class descriptions and information about how to register for these courses is listed below.

IRIX 6.5 Migration

These lecture-based seminars are available for IRIX-experienced system administrators. Key features of the all-platform IRIX 6.5 release will be covered. You can select the course that best fits your needs: *IRIX 5.3 to 6.5 Migration* or *IRIX 6.2 to 6.5 Migration*. Course presentation and reference materials are provided to each registered student.

Topics Covered

- IRIX 6.5 feature overview
- Desktop
- Licensing
- Filesystems
- System administration and monitoring
- Process scheduling
- Resource management
- Security
- Networking
- Software installation
- Migration/upgrade process

Objectives for the IRIX 5.3 to 6.5 Migration

- Cite the key features that differentiate IRIX 6.5 from previous IRIX releases

- Explore the IRIX 6.5 User Environment features
- Understand the xfs filesystem and how to transition from an efs to xfs filesystem
- Use the improved system administration and monitoring tools
- Utilize the new system scheduling priorities
- Implement security privileges and capabilities
- Describe networking improvements in nfs3, autofs, cachefs
- Understand Unified Name Service (UNS) and how it provides a generic interface to all network lookup services
- Utilize the newly available software installation features
- Cite the additional supported license formats
- Successfully upgrade a system from IRIX 5.3 to 6.5

Objectives for the IRIX 6.2 to 6.5 Migration Course

- Cite the key features that differentiate IRIX 6.5 from previous IRIX releases
- Explore the IRIX 6.5 User Environment features
- Use the improved system administration and monitoring tools
- Utilize the new system scheduling priorities
- Implement security privileges and capabilities
- Understand Unified Name Service (UNS) and how it provides a generic interface to all network lookup services
- Utilize the newly available software installation features
- Cite the additional supported license formats
- Successfully upgrade a system from IRIX 6.2, 6.3 or 6.4 to IRIX 6.5

How to Register for Training Courses

To preregister online, visit the worldwide Customer Education Services page at www.sgi.com/support/custeducation.html.

Professional Services

Silicon Graphics has a dedicated, global team of technology consultants with detailed knowledge of Silicon Graphics hardware and software. Each consultant is a valuable addition to your efforts, freeing your in-house staff to continue its vital work.

Professional Services complements the wide array of Silicon Graphics applications and leading-edge technologies to address your most complex business challenges. As your strategic partner, we are committed to helping you build tailored solutions that optimize your computing system investment and ensure your long-term success.

QuickStart Consulting

Available for North American customers, this two-day customized consulting program is designed to accelerate your productivity by having a qualified QuickStart consultant assist you in making a smooth and efficient transition to IRIX 6.5. Below is a sampling of the IRIX 6.5 services available to you with QuickStart Consulting:

- IRIX 6.5 software installation
- Operating system migration
- Patch management
- Backup and restore
- Command changes
- Networking
- Security
- Process scheduling
- Resource management

Silicon Graphics will work closely with you to tailor a QuickStart Consulting program that fits your specific needs and delivery schedule. In addition to the services provided, you will gain critical system administration skills to help you maintain the productivity of your system.

More Information

Please contact your local Silicon Graphics sales and service office in North America for more information.

Year 2000 Compliance Services

As enterprises prepare to enter the new century, Silicon Graphics customers are assessing their systems and applications for Year 2000 readiness. The Silicon Graphics Professional Services team offers a flexible array of services to help your organization prepare for doing business in the new millennium. We can assist you in your Year 2000 transition by providing you with operating system and application migration services. These services are tailored to fit your technical requirements, business objectives, and computing environment.

- Maximize availability and performance of your Silicon Graphics systems into the 21st century.
- Leverage the experience of our global technology consultants for fast and proficient transition.
- Protect your technology investment with proven implementation methodologies
- Maintain a high level of productivity while your staff stays focused on current business operations

See "Year 2000 Compliance" on page 1-8 for detailed information about how IRIX 6.5 meets Year 2000 compliance.

IRIX 6.5 Migration Services

Silicon Graphics consultants will migrate your systems to IRIX 6.5 to ensure Year 2000 compliance. The consultants will:

- Inventory all Silicon Graphics systems
- Develop an IRIX 6.5 migration and test plan
- Upgrade and test your systems
- Provide a migration summary report

Application Migration Services

Let the Silicon Graphics expert team help you migrate your applications to reach Year 2000 compliance. The consultants will:

- Develop a comprehensive Year 2000 compliance plan for your in-house developed applications running on Silicon Graphics systems
- Perform code conversion
- Test systems to ensure converted code is generating expected results
- Migrate and test the application in the production environment

More Information

Contact your Silicon Graphics representative or your local sales office for more information or visit our Web site at www.sgi.com/services/techserv.html.

Software Product Knowledge Summary

The Software Product Knowledge Summary provides a catalog of software product information for software sold by Silicon Graphics which support IRIX 5.3 or later. This summary will give you insight to:

- What products are shipping with the IRIX 6.5 Update
- Which products are not included in the update and why
- Details about each of the products listed

Note: The information contained in this chapter is a snapshot in time. Supportfolio Online, support.sgi.com, houses an electronic version of the Software Product Knowledge Summary which should be used to obtain the most up-to-date information about the software products. You can also check the Silicon Graphics Applications & Solutions Directory, www.sgi.com/Products/appsdirectory.html, for compatibility information on specific third-party applications.

The Software Product Knowledge Summary includes the following information about each product:

- **Product Name**
Lists the most common name of the product.
- **Update Status**
Identifies whether the product is released/ready for the IRIX 6.5 Update, has been replaced by another product, is supported by a third-party vendor, is delayed, or is obsolete.
- **Product Type**
Distinguishes whether it is a stand-alone software application, a bundle of products, or a hardware accessory which includes software.
- **Licensed**
Describes product licensing information and whether a change in the license password is required to update to this version of the product.
- **Version for 6.5**
Identifies which version of the product supports IRIX 6.5.
- **Marketing Code**
The most current marketing code for the CD-ROM version of the product is listed.

- Product Notes

Details and explanations of each product migration are given.

The Update Status, Product Type, and Licensed columns of the Software Product Knowledge Summary use abbreviations that require definition. Please use the abbreviation key tables below as reference.

Table 4-1 Abbreviation Key for Update Status Column

Abbreviation	Definition
New	The product has been recently introduced and this initial version supports IRIX 6.5. There is no update required.
RevOK	The last release distributed to customers supports IRIX 6.5. No more recent version has been released. There is no update required.
Ready	The product has been released and is being updated. Customers entitled to support for this product will receive an update.
Delayed	There is a planned release for this product, however, it is not yet available and will be released at a later date. Customers will automatically receive the software when it becomes available. Customers who use this application should delay loading their IRIX 6.5 update.
Incorp	The product has been incorporated into another product. Most commonly the product has been incorporated into IRIX. NFS is a good example as it is now included with IRIX 6.5.
Migrated	The product features and capabilities have migrated to another product. An example of a migrated product is Hibernator II which has been replaced by Checkpoint/Restart (CPR).
Web	The product is offered over the web. The product notes list the site from where the software can be downloaded.
Request	Customers under support for this product can call their local support provider to obtain a copy of the product.
3PUpdate	Updates to this product are distributed to customers by a third-party vendor, not by Silicon Graphics. The product notes provide contact information.
Obsolete	The product is obsolete. No upgrade is provided. Whenever possible, the product notes include statements of where the customer can obtain similar capabilities. Bundles are listed as obsolete when they are removed from the price book. Customers will continue to receive updates for the active components of the bundle they purchased.

Table 4-2 Abbreviation Key for Product Type Column

Abbreviation	Definition
App	This category is for individual software applications. It includes software which was purchased separately or was purchased as part of a hardware or software bundle.
Bndl	Collections of software purchased as a single bundled marketing code. This category includes both software and system software bundles. For example, Prodev Workshop is a collection of software products. An O2 WebFORCE System is an example of a system software bundle.
Acc	Acc is software sold with and supporting a hardware accessory purchase, such as Digital Media Boards.

Table 4-3 Abbreviation Key for Licensed Column

Abbreviation	Definition
LicOK	The product is locked using FLEXlm or similar technology to limit its usage to a machine or number of users. Your existing password will support the updated version. No new password is needed.
Change	The product is licensed and a new license password is required to use the update version.
Express	The product is not locked or keyed; you have an expressed license to use it.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
4DGifts	Bndl	Incorp	Express	n/a		As of IRIX 6.2 the 4DGifts product was discontinued. Gift software subsystems were added to other products as appropriate.
4DLT, 4DDN	App	Obsolete	Express	n/a		The last release of these products were on IRIX 6.2. They are not 6.5 compatible. KI Networking Inc. has a product called DNA for IRIX which combines the 4DLT and 4DDN functions. Contact them at 1-919-839-8112 or http://www.ki.com
Ada 95	App	Delayed	Express	1.3		Product delayed, supported customers will receive when available.
Ada Pro Extension	App	Obsolete	LicOK	n/a		This product has been obsoleted. Its full functionality was incorporated into WorkShop 2.6.3. There is no longer a separate license for Ada Pro Extension used in WorkShop, the standard WorkShop license is sufficient to run the entire product.
Adobe Illustrator	App	3PUpdate	LicOK	5.5.1		Contact Adobe for updates, 1-800-833-6687, or visit their site, http://www.adobe.com
Adobe PhotoShop	App	3PUpdate	LicOK	3.0.1		Contact Adobe for updates, 1-800-833-6687, or visit their site, http://www.adobe.com
Adobe PhotoShop Performance Pkg	App	Incorp	Express	1.2		This has been incorporated into IRIX and can be found on the IRIX 6.5 Applications CD. This is not an Adobe product. It provides Silicon Graphics-specific acceleration and customization for PhotoShop.
Adobe Premiere	App	3PUpdate	Express	4.2		Contact Adobe for updates, 1-800-833-6687, or visit their site, http://www.adobe.com
ADA83 - AXM, MPXM	App	Obsolete	Express	n/a		Ada83 AXM and MPXM are old products. Support customers were not updated to Ada95 during the IRIX 6.2 update. They must purchase the Ada95 update. Questions call Rational at 1-800-433-5444 or visit their web page: http://www.rational.com

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Alias Wavefront	App	3PUpdate	LicOK	n/a		Contact Alias Wavefront for updates to any of their products at: 1-416-362-9181, 800-447-2542, or http://www.aw.sgi.com 3DESIGN ADVANCED VISUALIZER Alias Wavefront Animator Alias Wavefront AutoStudio Alias Wavefront Designer Alias Wavefront Eclipse Alias Wavefront Full Color Prepress Alias Wavefront PowerAnimator Alias Wavefront PROcreator Alias Wavefront SONATA® Alias Wavefront Studio Alias Wavefront StudioPaint 3D COMPOSER DATA VISUALIZER DYNAMATION EXPLORE PROFESSIONAL GAMEWARE KINEMATION VISUALIZER PAINT VISUALIZER
ARRAY	App	Incorp	Express	3.1		This product has been incorporated into IRIX 6.5. It is available on the IRIX 6.5 Applications CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/
ATM - Origin and CHALLENGE	App	Delayed	Express	2.3		Product delayed, supported customers will receive when available.
Audio/Serial Option	Acc	Ready	Express	1.3		Customers on support who purchased the HU-ASO product code will receive the Audio/Serial Option CD (which is compatible with IRIX 5.3, 6.2 and 6.5) during the IRIX 6.5 update. This product will not be available after IRIX 6.5.
Auto Parallelizing Option	App	Ready	LicOK	7.2.1	SC4-APO-7.2.1	This product enables automatic parallelization for N32 and 64-bit MipsPRO C, MipsPRO C++, MipsPRO FORTRAN 77 and MipsPRO Fortran 90 programs.
AutoCad	App	3PUpdate	Express			Contact Autodesk for updates, 1-800-964-6432, or visit http://www.autodesk.com .
Broadcast Video Option	App	Incorp	Express	n/a		Product incorporated into IRIX 5.2.
Bulk Data Service Client	App	Incorp	Express	n/a		The Bulk Data Service Client software features have been included into NFS.
Bulk Data Service Server	App	Ready	Express	2.1	SC4-SBDS-2.1	Version 2.1 releasing, replaces all previous versions.
CA Unicenter TNG Framework	App	Delayed	LicOK	2.2		Product delayed, supported customers will receive when available. Refer to the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for information about CA Unicenter.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
ChallengeS Web Server Bundle	Bndl	Obsolete	LicOK	n/a		These systems included CosmoColor, CosmoSite, Netscape Enterprise, IP/IPX Gateway, Webmeter Gateway, XING Streamworks and Webforce Serve. The Cosmos products, or their equivalents, are now included with IRIX. The Netscape servers do not require an update.
Cinepak Encoder	App	Incorp	Express	n/a		The license has been removed from this product. It is now incorporated into IRIX 6.5 as part of the Digital Media files.
Commercial Security Pak	App	Incorp	Express	n/a		All the features of CSP have been incorporated into IRIX 6.5 except for the Kerberos (security package).
Common Desktop Environment	App	3PUpdate	Express	4.3		Contact TriTeal Corporation for updates at, 1-760-827-5000, or http://www.triteal.com
Cosmo Code	App	Ready	LicOK	2.3	SC4-CODE-2.3	Located on the June 98 Cosmo CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/
Cosmo Code & Create	Bndl	Obsolete	LicOK	2.2		This Bundle is obsolete. Customers under support will receive Cosmo Code and Cosmo Create during the IRIX 6.5 update. Cosmo Codes' existing license will work with IRIX 6.5. Cosmo Create is no longer passworded.
Cosmo Code, Developer Kit Version	App	Obsolete	LicOK	n/a		This was a special 1 year license for the developers program. It has been obsoleted. Customers will not be updated.
Cosmo Color	App	Migrate	Express	n/a		Cosmo Color migrated to Color Management System which is an IRIX 6.5 feature and can be found on the IRIX 6.5 Applications CD.
Cosmo Compress	Acc	Ready	Express	6.5		Customers on support who purchased the D2-CC, D2-IV&CC, D2-IV&CC-601 product code will receive the Cosmo Compress 6.5 CD during the IRIX 6.5 update.
Cosmo Create	App	Incorp	Express	1.0.3		This product has been incorporated into IRIX 6.5. It is no longer licensed. It is available on the IRIX 6.5 Applications CD, Cosmo CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/
Cosmo C++ Dev Bundle	Bndl	Obsolete	LicOK	n/a		This bundle is obsolete. Customers under support will receive for the IRIX 6.5 update; MipsPRO C++, MipsPRO C (replaced IDO), Inventor, ProDev WorkShop, Cosmo Code. RapidApp has been obsoleted.
Cosmo Player	App	Incorp	Express	1.1		This product is not licensed. It is available on the IRIX 6.5 Applications CD, Cosmo CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Cosmo Suite	Bndl	Ready	LicOK	4.0	SC4-SUITE-4.0	This bundle contains: Cosmo Worlds, Cosmo Code and Cosmo Create. These products can be found on the Cosmo CD. Cosmo Create is no longer licensed and can also be found on the IRIX 6.5 Applications CD. Customers under support will receive the Cosmo CD for the three products above, prior licenses will work with IRIX 6.5.
Cosmo Worlds	Bndl	Ready	LicOK	1.0.3	SC4-WORLDS-1.0.3	This bundle contains, Cosmo Worlds and Cosmo Create. Prior licenses will work with IRIX 6.5. Customers under support will receive the Cosmo CD. These products can also be down loaded from: http://www.sgi.com/Products/Evaluation/
Cray Developer Bundle	Bndl	Obsolete	LicOK	n/a		This bundle is obsolete. Customers under support will receive for the IRIX 6.5 update; MipsPRO C++, MipsPRO C (replaced IDO), MipsPRO Fortran77, APO (replaced MipsPRO Power Fortran77, MipsPRO Power Fortran90 and MipsPRO Power C), MipsPRO Fortran90, ProDev WorkShop, WorkShop ProMPF. RapiApp is obsoleted.
Data Migration Facility	App	Web	Express	2.6.2		This product is available for web down load at http://www.sgi.com/Products/Evaluation/
Database Accelerator	App	Delayed	Express	3.0		Product delayed, supported customers will receive when available.
DCE/DFS Cell Directory Services	App	Delayed	LicOK	1.2.2		Product delayed, supported customers will receive when available.
Desktop Special Edition	Bndl	Migrate	Express	n/a		The Desktop Special Edition CD was renamed to the IRIX Applications CD when IRIX 6.2 released.
DG Fibre Channel Raid	Acc	RevOK	Express	3.0		Your existing FC RAID software will work under IRIX 6.5. However, we are in the process of notifying the appropriate Fiberchannel customers about the RAID 3.0 software version. You should have received or will receive shortly information on how to obtain this upgrade. If you have any questions about this, please contact your local support provider. Previous releases of the FC RAID CDs will not install on IRIX 6.5, for that the DG SCSI&FC RAID 3.0 CD is needed. The 3.0 CD contains updated software compared to earlier versions and in particular the FC RAID software supports Phase 3 functionality which is needed for currently shipping hardware.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
DG SCSI Raid	Acc	RevOK	Express	3.0		Your existing SCSI RAID software will work under IRIX 6.5. However, we are in the process of notifying all of our 4GB and 9GB SCSI RAID customers about the RAID 3.0 software version. You should have received or will receive shortly information on how to obtain this upgrade. If you have any questions about this, please contact your local support provider. Previous releases of the SCSI RAID CDs will not install on IRIX 6.5, for that the DG SCSI&FC RAID 3.0 CD is needed. The 3.0 CD contains updated software compared to earlier versions and in particular the SCSI RAID software supports 18GB disk drives which is needed for currently shipping hardware.
DiaQuest	App	3PUpdate	Express	1.1		DiaQuest DQ-TimeCoder software is released by Silicon Graphics for DiaQuest. InSolutions is providing a turn-key solution which includes the serial cable, dongle, DiaQuest and Adobe Primere. The DiaQuest software is supported by DiaQuest, 1-510-526-7700
Digital Audio Option	Acc	RevOK	Express	1.0		Digital Audio Option 1.0 is for O2, O200, O2000, Octane and Onyx2. This version is required for customers running 6.3 or 6.4. It is compatible with IRIX 6.5 but is not required for IRIX 6.5 operation. Customers who purchased PCI-AUD-8C and PCI-AUD-8C-ALL are supported by the IRIX 6.5 software.
Digital Video Option (DIVO)	App	Ready	Express	1.2	SC4-DIVO-1.2	
Display PostScript Development	App	Ready	Express	2.0.8	SC4-DPSDEV-2.0.8	
Documentors Workbench	App	RevOK	Express	4.1.3	SC4-DWB-4.1.3	Documentors Workbench 4.1.3 was released with IRIX 5.3. This version has been tested and is compatible with IRIX 6.5. No new updates are needed. DWB is still available for purchase.
Eisa E++D	App	Obsolete	Express	n/a		EISA E++D was last supported on IRIX 6.2 and will not be upgraded to IRIX 6.5.
Eisa Token Ring	App	Obsolete	Express			This product was last supported on IRIX 6.2 and will not be upgraded to IRIX 6.5. For more information, please see http://support.sgi.com/6.5/spk/ObsProducts.ps
Emacs	App	3PUpdate	Express	n/a		Customers who need to purchase or have questions about SC4-EMACS-2.2 should call UNIPRESS(east coast) 732-287-2100 (west coast) 415-674-3579. Silicon Graphics provides XEmacs-20.4 freeware, it can be down loaded over the web via: http://freeware.sgi.com/index-by-alpha.html
Enlighten/DSM	App	Delayed	LicOK	1.1		Product delayed, supported customers will receive when available.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
EPlex - HIO 8 Port Ethernet	Acc	Incorp	Express	n/a		This product was incorporated into IRIX 5.2 and is supported in IRIX 6.5.
Ethernet - GIO	Acc	Incorp	Express	n/a		Customers who purchased the C2-100BT Ethernet-GIO hardware product code will have software support in the IRIX 6.5 kernel software under irix/kern/bsd/mips.
Ethernet - VME	Acc	Incorp	Express	n/a		Customers who purchased the C8-100BT Ethernet-VME hardware product code will have software support in the IRIX 6.5 kernel software under irix/kern/bsd/mips.
Failsafe Sybase	App	Ready	Express	1.2	SC4-FSAFE-SYBS-1.2	
FailSafe Base SW	App	Ready	Express	1.2	SC4-FSAFE-1.2	Version 1.2 was re-released in March '98 to support the Origin FailSafe Network Server (OFNS) Configuration. The Failsafe GUI (SC4-FSAFE-GUI-1.2) was incorporated into the base Failsafe product at that time.
FailSafe Bundles	Bndl	Ready	Express	1.2	FAILSAFE-2000C-1.2	This bundle contains FailSafe and XFS Plex. Customers on support will receive Failsafe and XFS 2.0. XFS is located on the IRIX 6.5 foundation CD in the eoe.sw.xfsrt sub system.
FailSafe Gauntlet	App	Delayed	Express	1.2		Product delayed, supported customers will receive when available.
FailSafe Informix	App	Ready	Express	1.2	SC4-FSAFE-IFMX-1.2	
FailSafe MediaBase	App	Ready	Express	1.2	SC4-FSAFE-MBAS-1.2	
FailSafe NFS	App	Incorp	Express	1.2		Product has now been incorporated as a feature of IRIX 6.5.
FailSafe Oracle	App	Ready	Express	1.2	SC4-FSAFE-ORCL-1.2	
FailSafe PCP - Bundle	Bndl	Ready	LicOK	1.2	SC4-FSAFE-PCP-1.2	This bundle consists of the Failsafe PCP agent and additional licenses for PCP Monitor and PCP Collector. The FailSafe PCP 1.2 agent supports PCP 2.0 which was recently shipped to customers. No new release is planned.
FailSafe WebFORCE Director	Bndl	RevOK	LicOK	1.0	SC4-FSAFE-DIR-1.0	This bundle contains the Webforce Director and the corresponding Failsafe agent. Both are at the 1.0 version and are compatible with IRIX 6.5.
FailSafe WEB	App	Ready	Express	1.2	SC4-FSAFE-WEB-1.2	
FDDI Visualyzer	App	Incorp	Express	6.5		This product is a feature of IRIX 6.5 and can be found on the IRIX 6.5 Applications CD.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
FDDI XPress	App	Incorp	Express	6.5		This product is a feature of IRIX 6.5 and can be found on the IRIX 6.5 Foundation2 CD.
Figaro	App	3PUpdate	Express	n/a		Silicon Graphics obsoleted this product in 1995. Template Graphics has a compatible product call GPHIGS version 5.0. which replaced Figaro 3.0. Call 1-800-428-7588.
FrameMaker	App	3PUpdate	Express	5.1		Contact Adobe for updates, 1-800-833-6687, or visit their site, http://www.adobe.com
Freeware	App	Ready	Express	2.0	SC4-FREEWARE-2.0	This product includes about a 100 freeware applications, specific details of these can be found on the freeware.sgi.com web page: http://freeware.sgi.com/ One CD will be sent with each of the IRIX 6.5 shipments to the contact person and not to each system serial number. It is recommend that customers visit the web page for updates and fixes since this is updated more frequently than the CDs.
Galileo Video	Acc, App	Ready	Express	6.5	SC4-GAL-IMPACTR10K	Customers on support who purchased D7-GV-IND4K, D9-GV-TWO, D2-IV&CC, D2-IV&CC-601, D9-I2V-TWO, PR-GV-IND4K-HWUP and PR-GV-IND4K-SWUP product codes will receive the Galileo CD during the IRIX 6.5 update. The Galileo CD also includes support for the Impact10K and R10K software. This product will not be available after IRIX 6.5.
Galileo - Cosmo HDW/BD	Acc	Ready	Express	6.5		This hardware bundle contains; Galileo and Cosmo Compression boards. Customers on support who purchased D2-IV&CC and D2-IV&CC-601 product code will receive the Galileo and Cosmo Compress CD's during the IRIX 6.5 update. The Galileo CD also includes support for the Galileo Impact 10K and R10K. These products will not be available after IRIX 6.5.
Gauntlet US & INTL	App	Delayed	LicOK	4.1		Product delayed, supported customers will receive when available.
Hibernator II	App	Migrate	LicOK	n/a		Functionality replaced by Checkpoint/Restart (CPR) system which is included in IRIX 6.5.
Hippi	Acc, App	Ready	Express	3.2	SC4-XHIPOR-3.2	Customers on support who purchased the C8-HIPPI (Challenge/Onyx HIO HIPPI adapter), XT-HIPPI-800-EA, or XT-HIPPI-800-SER (Origin/Onyx2 XIO HIPPI adapter) product codes will receive both drivers on the same CD during the IRIX 6.5 update. For more details or to download over the web go to: http://www.sgi.com/Products/software/hippi3_2.html or http://www.sgi.com/Products/Evaluation/

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Host Access HP (SNMP)	App	Incorp	LicOK	1.1.2		The Host Access HP (SNMP) product is not incorporated into IRIX 6.5 but is a layered product that has already been re-released for IRIX 6.[2345]. This product is a part of the new IRIX ASE and AWE bundles.
Hotmix	App	Web	Express	n/a		Hotmix can be obtained at http://www.sgi.com/Products/HotMix/ It is not available through the Customer Support update process.
I3270	App	Obsolete	Express	n/a		This product is obsolete and will not be ported to IRIX 6.5. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
ImageVision Library Development	App	Ready	Express	3.2.1	SC4-ILDEV-3.2.1	This product is an upgrade to the version of the ImageVision Library Development Option that shipped with IRIX 6.2 and higher systems. It contains bug fixes over the version currently shipping for IRIX 6.2 and higher systems (IL 3.2) and runs only on IRIX 6.5. Customers on support will receive this upgrade during the IRIX 6.5 update.
ImageVision Library Runtimes	App	Incorp	Express	3.2.1		This product is a feature of IRIX. It consists of three parts, the ImageVision Library proper, the Image Format Library and the ImageVision Tools. The ImageVision Library (il_eoe) and Image Format Library (ifl_eoe) can be found on the IRIX 6.5 foundation CDs. The ImageVision Tools (imgtools) can be found on the IRIX 6.5 Applications CD. This version of IL was originally released for IRIX 6.2 and higher.
Impressario Client	App	Incorp	Express	2.2.5		This product was incorporated into IRIX 5.2 and still is a feature of IRIX 6.5.
Impressario Dev	App	Incorp	Express	2.2.5		The features of Impressario Development were incorporated into Impressario 2.1. These customer's will be updated to Impressario 2.2.5.
Impressario Kanji Fonts	App	RevOK	LicOK	6.5		The current version of "Kanji Fonts will work with all Impressario 2.X releases.
Impressario Server	App	Ready	LicOK	2.2.5	SR4-IMPS-2.2.5	Impressario is on the IRIX 6.5 Applications CD. The existing license will work with the IRIX 6.5 version.
Impressario Server Hi Resolution	App	Ready	LicOK	2.2.5	SR4-IMPSH-2.2.5	Impressario Server Hi Resolution is on the IRIX 6.5 Applications CD. The existing license will work with the IRIX 6.5 version.
IMPACT Indigo2 Video	App, Acc	Ready	Express	6.5	SC4-IMPACT-DM-2.0	Customers on support who purchased the D9-I2V-I, D9-I2V-I-NR product code will receive the IMPACT Indigo2 Video 6.5 CD during the IRIX 6.5 update. IRIX 6.5 will be Impact Indigo2 Videos last release.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
IMPACT OCTANE Compression	App, Acc	Ready	Express	6.5		Customers on support who purchased the D9-I2I-COMP, D9-I2I-COMP-NR, HU-I2I-COMP-HWUP, D9-OCT-COMP, D9-OCT-COMP-NR, HU-OCT-COMP-HWUP product codes will receive the OCTANE/INDIGO Compression 6.5 CD during the IRIX 6.5 update. Following the IRIX 6.5 release, only the OCTANE components will be updated.
IMPACT OCTANE Video	Acc	Ready	Express	6.5		Customers on support who purchased the D9-I2I-CSCTEX, D9-I2I-CSCTEX-NR, HU-I2I-CSCTEX-HWUP, D9-I2I-VIDEO, D9-I2I-VIDEO-NR, HU-I2I-VIDEO-HWUP, D9-OCT-DIGVID, D9-OCT-DIGVID-NR, HU-OCT-DIGVID-HWU product codes will receive the OCTANE/INDIGO2 Compression 6.5 CD during the IRIX 6.5 update. Following the IRIX 6.5 release, only the Octane components will be updated.
Indigo2 Solid Impact CAD	Bndl	Obsolete	Express	n/a		Customers will be updated with NFS and Cosmo Create (replaced WebMagic Pro). These products are now packaged with IRIX. Cosmo Create can be found on the IRIX 6.5 Applications CD.
Indigo2 Web Authoring Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with Cosmo Create (replaced WebMagic Pro), Cinepak Encoder, MPEG Encoder, and Impressario Server. All of these products are now packaged with IRIX on the IRIX 6.5 Applications CD.
Indigo2/Indy CAD Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with Cosmo Create (replaced Webmagic Pro), Cinepak Encoder, MPEG Encoder, and Impressario Server. All of these products are now packaged with IRIX on the IRIX 6.5 Applications CD.
Indy Cosmo Web Development Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with Cosmo Create (replaced Webmagic Pro), Annotator, and Cosmo Code. The Cosmo products are on the Cosmo CD. Annotator is on the IRIX 6.5 Applications CD.
Indy Development Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with Cosmo Create, Code, and Player which are all on the Cosmo CD; MipsPRO C++, MipsPRO C (replaced IDO), ProDev WorkShop, and Open Inventor, which are each on their own CD; and Cinepak and MPEG, which are on the IRIX 6.5 Applications CD.
Indy Modeler Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with NFS, Cosmo Create (replaced Webmagic Pro), and Annotator. All of these products are now included with IRIX 6.5. NFS is on it's own CD, the remaining products are on the IRIX 6.5 Applications CD.
Indy Studio Bundle	Bndl	Obsolete	LicOK	n/a		Customers will be updated with NFS.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Indy Web Authoring Bundle	Bndl	Ready	LicOK	n/a		These systems are being updated with the following applications: IRIX Apps CD: Cinepak Encoder, MPEG Encoder, Impressario Server Cosmo CD: CosmoCreate, CosmoCode
Indy Web Author/Server Bundle	Bndl	Ready	LicOK	n/a		These systems are being updated with the following applications: IRIX Apps CD: Cinepak Encoder, MPEG Encoder, Impressario Server, Netscape FastTrack Server Cosmo CD: CosmoCreate, CosmoCode, CosmoSite, CosmoPlayer
Indy Web Author/Server/Development Bundle	Bndl	Obsolete	LicOK	n/a		These systems are being updated with the following applications: MipsPRO C Compiler (formerly part of IDO) ProDev WorkShop MipsPRO C++ Open Inventor IRIX Apps CD: Cinepak Encoder, MPEG Encoder, Impressario Server, Netscape FastTrack Server Cosmo CD: CosmoCreate, CosmoCode, CosmoSite, CosmoPlayer
InPerson	App	Incorp	Express	2.2.1		InPerson was incorporated into IRIX 6.2. Version 2.2.1 can be found on the IRIX 6.5 Applications CD. This is the last release for InPerson.
InPerson-opt	Acc	Obsolete	Express	n/a		Customers who purchased the D2-IPXLR8 product code will not receive any driver support past IRIX 6.2.
IP/IPX Gateway	App	Incorp	Express	3.1		Internet Gateway Execution Environment 3.1 is on the IRIX 6.5 Applications CD. Note, there is another product called INET Gateway which is located on the WebFORCE 3/97 and 8/97 CD.
IRIS 5080 Emulator	App	Obsolete	Express	n/a		The last released of this product was on IRIX 6.2. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRIS Annotator	App	Ready	LicOK	1.2	SR4-ANNT-1.2	Annotator is on the IRIX 6.5 Applications CD. The original license from version 1.0 will work with the IRIX 6.5 version.
IRIS Channel Adapter	App	Obsolete	Express			This product was last support on IRIX 5.3 version 2.1.1. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRIS InSight	App	Incorp	Express	3.1/2.3.2		IRIS InSight Viewer 3.1 and IRIS InSight Online Glossary 2.3.2 have been incorporated into IRIX 6.5 and can be found on the IRIX 6.5 Applications CD.
IRIS InSight Developer	App	Delayed	Express	4.0		Product delayed, supported customers will receive when available. Please contact your sales rep for inclusion in the beta program.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
IRIS POWER C	App	Migrate	Express	n/a		This product enhanced the MIPSpro C compiler to perform automatic parallelization. It did not contain the MIPSpro C compiler. The last version of this product was for the 7.2 compilers via the web. Customers with support will receive the APO (Automatic Parallelization Option) during the IRIX 6.5 update.
IRIS SNA LU.62	App	Obsolete	Express	n/a		The IBM Protocols and drivers are all considered outdated and are not supported on IRIX 6.5. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRIS SNA Server	App	Obsolete	Express	n/a		The IBM Protocols and drivers are all considered outdated and are not supported on IRIX 6.5. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRISconsole	App	Ready	Express	1.3	SC4-IRISCONS-1.3	
IRIShare	App	Obsolete	LicOK	n/a		This product was obsoleted in 1996. It was replaced by Appletalk support from Xinet. Appletalk has now been bundled with Irix 6.5 and is shipped with every system. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRIX	App	Migrate	Express	n/a		All Support Customers prior to IRIX 6.5 will be updated to the new IRIX Advanced Workstation and Advanced Server environments. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for a description of these products.
IRIX Advanced Server Environment	Bndl	Ready	Express	6.5	SC4-ASEO200-6.5, SC4-ASEO2000-6.5	New bundle starting at IRIX 6.5 for Servers. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for details.
IRIX Advanced Workstation Environment	Bndl	Ready	Express	6.5	SC4-AWE-6.5	New bundle starting at IRIX 6.5 for workstations. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for details.
IRIX Applications	Bndl	Incorp	Express	n/a		Included as part of IRIX. See the online version of this Software Product Knowledge Summary for a list of the IRIX Applications CD contents. http://support.sgi.com/6.5/spk .
IRIX Development Option	App	Migrate	Express	n/a		This product has been restructured as of the 7.2 compilers and has become three products. MIPSpro C, the IRIX Development Foundation (IDF), and the IRIX Development Libraries (IDL). The Development Libraries and Foundation have become features of IRIX 6.5. Customers under support who purchased IDO will receive a copy of C during the IRIX 6.5 update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
IRIX Serverpak	Bndl	Obsolete	LicOK	1.0		This is an obsolete bundle which contains: Impressario, NFS (volume 10), NetWorker Edition, NetWorker 10 Client. Customers under support will receive the IRIX 6.5 versions for all products during the update. NFS is now incorporated in IRIX 6.5.
IRIXPro	Bndl	Obsolete	LicOK	n/a		Customers will be updated with Provision. Propel and Problema are obsolete. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
IRIXPro Proconf	App	Obsolete	Express	n/a		This product was obsoleted at IRIX 6.2. There is no replacement.
ISDN	Acc	Incorp	Express	2.0		The file isdn_eoe 2.0 is on the IRIX 6.5 foundation2 CD.
JAVA Development Environment	App	Incorp	Express	3.1		This product is Silicon Graphics' implementation of the Java Development Kit (JDK) version 1.1.5 from Javasoft. It is available on the IRIX 6.5 Applications CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/
KAI'S Power Tools	App	3PUpdate	Express	2.0.1		Contact MetaTools Inc. for updates, 1-805-566-6200 or http://www.metatools.com
License Manager	App	Incorp	Express	3.3		This product is a feature of IRIX 6.5. It is available on the IRIX 6.5 Applications CD and can be down loaded from: http://www.sgi.com/Products/Evaluation/
License Manager Dev Environment	App	Web	Express	3.3		This product is available from: http://www.sgi.com/Products/Evaluation/
Master Encoder Bundle	Bndl	Incorp	Express	n/a		This bundle contains Cinepak and MPEG. The licenses have been removed and the products are now incorporated into IRIX 6.5 as part of the Digital Media files.
MediaMail Pro	App	Obsolete	LicOK	3.2S.3		The default emailer has been Netscape Mail since IRIX 6.3. The MediaMail product is obsolete. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
Message Passing Toolkit (MPT)	App	Web	Express	1.21		This product is available from: http://www.sgi.com/Products/Evaluation/
MindShare	Bndl	Obsolete	LicOK	n/a		This is an obsolete bundle which contained Annotator and Inperson. Inperson was incorporated into IRIX 6.2. Inperson and Annotator can be found on the IRIX 6.5 Applications CD. Annotator still requires a license and the current license will work with IRIX 6.5.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
MineSet	Bndl	Ready	Chg	2.5	SC4-MINBN1-2.5	
MineSet Client	App	Ready	Chg	2.5	SC4-MINC-2.5	
MineSet Server	App	Ready	Chg	2.5	SC4-MINS-2.5	This product has been restructured. Previously the server was not available separately. Starting with the 2.5 release, the server is now available as SC4-MINS-2.5. Note, previous versions of SC4-MINS(1.0-2.0.1) marketing codes included the server and client licenses. Purchasers of those marketing codes will receive updates to both the server and client.
MipsPro C Compiler	App	Ready	LicOK	7.2.1	SC4-C-7.2.1	Update includes patch CD 812-0772-001, refer to letter in the IRIX 6.5 Update package. http://support.sgi.com/6.5/spk/Compliers.ps
MipsPro C++ Compiler	App	Ready	LicOK	7.2.1	SC4-C++-7.2.1	Update includes patch CD 812-0772-001, refer to letter in the IRIX 6.5 Update package. http://support.sgi.com/6.5/spk/Compliers.ps
MipsPRO Fortran 77 Compiler	App	Ready	LicOK	7.2.1	SC4-F77-7.2.1	IRIX 6.5 update includes patch CD 812-0772-001, refer to letter in the IRIX 6.5 Update guide. http://support.sgi.com/6.5/spk/Compliers.ps
MipsPRO Fortran 77 Compiler -O32	App	Obsolete	Express	n/a		The last release of this product was for the 6.2 compilers. This item is now officially EOL. Customers with support will receive the N32 7.2.1 compiler during the IRIX 6.5 update.
MipsPRO Fortran 90 Compiler	App	Ready	LicOK	7.2.1	SC4-F90-7.2.1	IRIX 6.5 update includes patch CD 812-0772-001, refer to letter in the IRIX 6.5 Update guide. http://support.sgi.com/6.5/spk/Compliers.ps
MipsPRO Power Compilers Bundle	Bndl	Obsolete	LicOK	n/a		This bundle contained MipsPRO Power C and MipsPRO Power Fortran 77, it is obsolete. Customers under support will receive the Automatic Parallelization Option (APO) during the IRIX 6.5 update.
MipsPRO Power Fortran 77 Compiler	App	Migrate	Express	n/a		This product enhanced the MIPSpro FORTRAN 77 compiler to perform automatic parallelization. It did not contain the MipsPRO FORTRAN 77 compiler. The last version of this product was for the 7.2 compilers via the web. Customers with support will receive the APO (Automatic Parallelization Option) during the IRIX 6.5 update.
MipsPRO Power Fortran 77 Compiler -O32	App	Obsolete	Express	n/a		The last release of this product was for the 6.2 compilers. This item is now officially EOL. Customers with support will receive the the APO (Automatic Parallelization Option) during the IRIX 6.5 update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Molecular Inventor	Bndl, App	Obsolete	Express	n/a		This is an obsolete bundle which contained: Molecular Inventor and Open Inventor. The Molecular Inventor application is obsolete. Customers under support will receive the IRIX 6.5 version of Open Inventor. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
MPEG Encoder	App	Incorp	LicOK	n/a		The license has been removed from this product and it is now incorporated into IRIX 6.5 as part of the Digital Media files.
Multi Proc Dev Bundle	Bndl	Ready	LicOK	2.6.8	SC4-OCTMPDV-2.6.8	Support customers will be updated with the following products: Open Inventor, MipsPRO C++, MipsPRO Fortran 77, MipsPRO Fortran 90, APO(replaces Power Fortran), MipsPRO C (replaces IDO), ProDev WorkShop and ProDev WorkShop ProMPF.
Net Visualyzer Data Station	App	Ready	LicOK	2.2.1	SC4-NETVS-2.2.1	
Net Visualyzer Data Sun	App	Obsolete	Express	n/a		NetVisualyzer Display-SUN 2.0 was last active in 1993. All revisions are out of production. The Sun DataStation software allowed SUN workstations to be used as 'Probes' by the NetVisualyzer.
Net Visualyzer Display Station	App	Ready	LicOK	2.2.1	SC4-NETV-2.2.1	Customers on support will receive the 2.2.1 update. This product can also be down loaded from: http://www.sgi.com/Products/Evaluation/
Netscape Calendar Server	Bndl	RevOK	LicOK	3.5	SC4-WEBCAL-3.5	This bundle contains a license for Netscape Calendar Server and Netscape Directory. Both products are compatible with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Catalog Server	Bndl	RevOK	LicOK	1.0	SC4-WEBCAT-1.0	This bundle contains a license for Netscape Catalog Server and Netscape Directory. Both products are compatible with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Certificate Server	Bndl	RevOK	LicOK	1.0	SC4-WEBCERT-1.0	This bundle contains a license for Netscape Certificate Server and Netscape Directory. Both products are compatible with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Collabra Server	Bndl	RevOK	LicOK	3.5	SC4-WEBCOLLAB-3.5	This bundle contains a license for Netscape Collabra Server and Netscape Directory. Both products are compatible with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Commerce Server	App	RevOK	LicOK	n/a	SC4-WEBCOM-1.1J	All versions of Netscape Commerce Server will work with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Netscape Communication Server	App	Migrate	LicOK	n/a		This product has been obsoleted. Customers under support will be migrated to FastTrack. FastTrack as of IRIX 6.5 is available on the IRIX 6.5 Applications CD.
Netscape Communicator	App	Incorp	Express	4.05		This product has been incorporated into IRIX 6.5. Version 4.05 is available on the IRIX 6.5 Applications CD. In addition, version 4.05A is available on the WorldView 6.5 Japanese, French, and German releases. Version 4.05B will ship with the WorldView 6.5 Chinese and Korean releases. Customers who wish to upgrade to version 4.05B can download it from http://www.sgi.com/Products/Evaluation
Netscape Directory Server	App	RevOK	LicOK	3.0	SC4-WEBDIR-3.0	All versions of Netscape Directory Server will work with IRIX 6.5.
Netscape Enterprise Server	Bndl App	RevOK	LicOK	3.5.1	SC4-WEBENT-2.0S	All versions of Netscape Enterprise Server will work with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Enterprise Server Pro Informix	Bndl	RevOK	LicOK	3.5.1	SC4-WEBENTPIN-3.51,	All versions of Netscape Enterprise Server Pro Informix will work with IRIX 6.5. This product includes licenses for Netscape Enterprise Server Pro Informix, Netscape Enterprise, Directory and Media Server. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Enterprise Server Pro Oracle	Bndl	RevOK	LicOK	3.5.1	SC4-WEBENTPOR-3.51	All versions of Netscape Enterprise Server Pro Oracle will work with IRIX 6.5. This product includes licenses for Netscape Enterprise Server Pro Oracle, Netscape Enterprise, Directory and Media Server. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape FastTrack Server	App	Incorp	Express	2.01		This product has been incorporated into IRIX 6.5. The current version 2.01 is compatible with IRIX 6.3, 6.4 and 6.5 and no longer requires a license. It is located on the IRIX 6.5 Applications CD.
Netscape LiveWire Pro	App	RevOK	LicOK	n/a		The current version of this product is compatible with IRIX 6.5.
Netscape Mail Server	App	RevOK	LicOK	n/a	SC4-WEBMAIL-2.02	All versions of Netscape Mail Server will work with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Media Server	App	RevOK	LicOK	1.0		This product was discontinued after the 1.0 version and it will not migrate to another product. It is compatible with IRIX 6.5.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Netscape Messaging Server	Bndl	RevOK	LicOK	3.5	SC4-WEBMSG-3.5,	This bundle contains a license for Netscape Messaging Server and Netscape Directory. Both products are compatible with IRIX 6.5. The Netscape Messaging Server requires patch 3148 which can be down loaded from: http://www.support.sgi.com .
Netscape Navigator	App	Migrate	Express	n/a		This product migrated to Netscape Communicator 4.05. Netscape Communicator has been incorporated into IRIX 6.5 and can be found on the IRIX 6.5 Applications CD. There is a netscape_lite product that is just the Navigator portion of Communicator available in the extras directory on the IRIX 6.5 Applications CD.
Netscape News Server	App	RevOK	LicOK	2.01	SC4-WEBNEWS-2.01	All versions of Netscape News Server will work with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Proxy Server	App	RevOK	LicOK	3.5	SC4-WEBPRX-3.5	All versions of Netscape Proxy Server will work with IRIX 6.5. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Suitespot Informix	Bndl	RevOK	LicOK	3.5		This bundle contains licenses for Intranet Junction, Netscape Directory, Collabra Server, Messaging Server, Enterprise Pro Server Informix, Media Server and Netscape Calander. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Suitespot Oracle	Bndl	RevOK	LicOK	n/a		This bundle contains licenses for Intranet Junction, Netscape Directory, Collabra Server, Messaging Server, Enterprise Pro Server Oracle, Media Server and Netscape Calander. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.
Netscape Suitespot Pro Informix	Bndl	RevOK	LicOK	3.5		This bundle contains licenses for Intranet Junction, Netscape Proxy, Netscape Catalog Server, Netscape Directory, Netscape Certificate, Collabra Server, Messaging Server, Enterprise Pro Server Informix, Media Server and Netscape Calander. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See http://support.sgi.com/6.5/spk/WebFORCE.ps for further details.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Netscape Suitespot Pro Oracle	Bndl	RevOK	LicOK	n/a		This bundle contains licenses for Intranet Junction, Netscape Proxy, Netscape Catalog Server, Netscape Directory, Netscape Certificate, Collabra Server, Messaging Server, Enterprise Pro Server Oracle, Media Server and Netscape Calander. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for further details.
Network Dual Head	App	Incorp	Express	6.5		This product was incorporated into IRIX 6.2. The functionality remains in IRIX 6.5 and is contained within the x_eoe.sw.eoe images. Use the 'man nds' command on an IRIX 6.5 system for details.
Network Queuing Environment	App	Web	LicOK	3.3		This product is available from http://www.sgi.com/Products/Evaluation Customers with a valid NQE 3.1 or newer FLEXlm license do not need a new license for the NQE 3.3 release.
NetWorker - Archive Option	App	Ready	LicOK	4.25	SR4-ARCHIVE-4.25	Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Auto Changer	App	Ready	LicOK	4.25	SR4-AUTO128-4.25	Customers who have purchased the following base marketing codes and are under support will receive an update license during the IRIX 6.5 update for: AUTO6 will receive an AUTO8 license and AUTO64+ will receive an AUTO256+ license. All other Auto NetWorker licenses will work with the IRIX 6.5 compatible 4.25 Auto NetWorker version.
NetWorker - Business Mod Oracle	App	RevOK	LicOK	4.29	SR4-NWKRDMO-4.29	This is the first release of this product. No update required. Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Business Suite Mod Informix	App	RevOK	LicOK	4.29	SR4-NWKRDBMI-4.29	This is the first release of this product. No update required. Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Client Pak's 1-6	App	3PUpdate	LicOK	4.25		These are packages from Legato which Silicon Graphics sells but does not update. Questions, call LEGATO 1-650-812-6000.
NetWorker - Client Volumes	App	Ready	LicOK	4.25	SR4-NWKR100C-4.25	The Client volume marketing codes are sold to allow volumes on the Client Pak products. The volumes 5, 25 and 100 are still active products. Volumes 10 and 50 have been discontinued. All volumes (including the 10 and 50 volumes) will be updated during the IRIX 6.5 update. The current NetWorker licenses will work with IRIX 6.5.
NetWorker - Eval Demo	App	3PUpdate	LicOK	4.25		This is a demo product which Silicon Graphics does not update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
NetWorker - NetWork Edition	App	Ready	LicOK	4.25	SC4-NWKRNE-4.25	The current NetWork Edition license will work with the IRIX 6.5 compatible 4.25 NetWork Edition software. Customers who have purchased the following base marketing codes and are under support will receive an upgrade license to the NetWork Edition product during the IRIX 6.5 update. UPGSE/NE, NWKRENE, NWKR, NWKRUPG, NWKRAUPG, NWKRADVUPG, TURBOPAK, NWKRCDs, NWKRA, EBACK, FBACK.
NetWorker - Power Edition	App	RevOK	LicOK	4.29	SC4-NWKRPE-4.29	This is the first release of this product. No update required. Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Server Edition	App	RevOK	LicOK	4.25	SC4-NWKRSE-4.25	This is the first release of this product. No update required. Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Silo Modules	App	RevOK	LicOK	4.29	SR4-NWKRSSML-4.29	This is the first release of this product. No update required. Current NetWorker licenses will work with IRIX 6.5.
NetWorker - Turbo Pack	App	Incorp	LicOK	4.25		This product has been obsoleted. Customers who are under support and purchased the NetWorker Turbo product will be updated to NetWork Edition during the IRIX 6.5 update.
NFS	App	Incorp	Express	6-3		As of IRIX 6.5, NFS will become a part of the IRIX bundle.
O2 Modeler Bundle	Bndl	Ready	LicOK	n/a		Customers will be updated with NFS and Annotator. Both products are now included with IRIX. Existing licenses support the updated versions.
O2 Studio Bundle	Bndl	Ready	LicOK	n/a		Customers will be updated with NFS, which is now included with IRIX.
O2 WebFORCE Bundle	Bndl	Ready	LicOK	n/a		These systems are being updated with NFS and the suite of Cosmo Tools: Cosmo Create, Cosmo Player, Cosmo Worlds, and Cosmo Code.
O200 Web Server Bundle	Bndl	RevOK	LicOK	n/a		These systems are bundled with a suite of Netscape servers. All of the Netscape servers are compatible with IRIX 6.5. No update is necessary. See the IRIX 6.5 Update Guide for further notes on the Netscape products: http://support.sgi.com/6.5/spk/UpdateGuide.ps
O200 Web Server Drive Bundle	Bndl	RevOK	LicOK	n/a		Customers will receive an upgrade with Site Manager (once called Cosmo Site) found on the IRIX 6.5 Applications CD. These systems also include a suite of Netscape servers which are compatible with IRIX 6.5. No update of the Netscape Servers is necessary.
OCTANE Personal Video	Acc	Ready	Express	6.5		Customers on support who purchased the D9-OCT-PERSONAL or the D9-OCT-PERSONAL-NR product code will receive the OCTANE Personal Video CD during the IRIX 6.5 update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Open Inventor	App	Ready	Express	2.1.4	SC4-INVENTR-2.1.4	
Open Vault	App	RevOK	LicOK	1.1	SC4-OPENVAULT-1.1	Revision 1.1 is compatible with IRIX 6.5
OpenGL Optimizer	App	Ready	Express	1.1	SC4-OGLOPT-1.1	Customers on support will receive the 1.1 update. This product can also be down loaded from: http://www.sgi.com/Products/Evaluation/
OpenView Node Manager	App	New	LicOK	5.0	SC4-OVNNM250-5.0	Openview Network Node Manager (NNM) is a software tool that helps to manage distributed networks in an enterprise and workgroup environment. NNM focuses on improving network manageability and availability by monitoring a heterogeneous computing environment.
Oracle Parallel Server	App, Bndl	Ready	Express	1.2	SC4-OPS-1.2	This bundle contains the Oracle Parallel Server and Iris Console. Customer on support will receive the Iris Console update during the IRIX 6.5 update. The current Oracle Parallel Server version 1.2 is compatible with IRIX 6.5.
Orbix Development	App	3PUpdate	LicOK	n/a		This product moved to Third Party support August 1997. Contact IONA Technologies at: http://www.iona.ie or call 011-353-1-668-6522 for updates.
OSI Transport Services	App	Obsolete	Express			The IBM Protocols and drivers are all considered outdated and are not supported on IRIX 6.5. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
Pascal	App	Obsolete	Express	n/a		The Pascal compiler is no longer supported and is incompatible with the 7.2 compilers. It will not be updated during the 6.5 push. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
Performance Co-Pilot Bundle #1	Bndl	Obsolete	LicOK	n/a		The initial Performance Co-Pilot 1.0 product was restructured. Customers who were under support during the IRIX 6.2 update received a license for PCP Monitor, PCP Collector and PCP Oracle. These support customers will receive the current updates for these products during the IRIX 6.5 update.
Performance Co-Pilot Bundle #2	Bndl	Ready	LicOK	2.0	SC4-PCP-2.0	Support Customers who purchased PCP-1.1 and later versions will be updated with PCP Monitor and PCP Collector.
Performance Co-Pilot Collector	App	Ready	LicOK	2.0	SR4-PCPCOL-2.0	
Performance Co-Pilot Informix	App	RevOK	Express	1.0	SC4-PCPINFMX7-1.0	This agent will work with PCP 2.0 (IRIX 6.5 compatible) if the <code>pcp.sw.compat</code> is installed when the PCP 2.0 upgrade is performed.
Performance Co-Pilot Monitor	App	Ready	LicOK	2.0	SR4-PCPMON-2.0	

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Performance Co-Pilot Oracle7	App	RevOK	Express	1.2	SC4-PCPORA-1.2	This agent will work with PCP 2.0 (IRIX 6.5 compatible) if the pcp.sw.compat is installed when the PCP 2.0 upgrade is performed.
Performance Co-Pilot ORIGIN	App, App	Incorp	Express	n/a		The PCP origin product has been incorporated into the base PCP 2.0 product as of IRIX 6.5. This was sold as a bundle of PCP Monitor, Collector and Organ not as a stand-alone. Customers who purchased this product will be updated with PCP Monitor and PCP Collector during the IRIX 6.5 update.
Performance Co-Pilot POWER CHALLENGEarray	App	RevOK	Express	1.0	SC4-PCPARRAY-1.0	This agent will work with PCP 2.0 (IRIX 6.5 compatible) if the pcp.sw.compat is installed when the PCP 2.0 upgrade is performed.
Performance Co-Pilot Sybase 10	App	RevOK	Express	n/a	SC4-PCPSYB10-1.0	This agent will work with PCP 2.0 (IRIX 6.5 compatible) if the pcp.sw.compat is installed when the PCP 2.0 upgrade is performed.
Performance Co-Pilot Vis	App	Incorp	LicOK	n/a		The function of adding an additional Vis Console to PCP was incorporated into PCPMON-1.1 during the IRIX 6.2 update. Support customers will be updated with PCP Monitor during the IRIX 6.5 update.
Performance Co-Pilot Web	App	RevOK	Express	1.1	SC4-PCPWEB-1.1	This agent will work with PCP 2.0 (IRIX 6.5 compatible) if the pcp.sw.compat is installed when the PCP 2.0 upgrade is performed.
Performer	App	Ready	Express	2.2	SC4-PERF-2.2	The current 2.2 version will work with IRIX 6.5. There is a new 2.2.1 eoe built into IRIX 6.5 that has some fixes in it. The eoe component is available to everyone and is compatible with the 2.2 version.
Power Fortran 90 Compiler	App	Migrate	Express	n/a		This product enhanced the MIPSpro Fortran 90 compiler to perform automatic parallelization. It did not contain the MipsPRO Fortran 90 compiler. The last version of this product was 7.1. Customers with support will receive the APO (Automatic Parallelization Option) during the IRIX 6.5 update.
Presenter	App	Incorp	Express	n/a		This product was incorporated into IRIX 5.2. It is old technology and is no longer tracked.
ProDev Developer Welcome Kit	Bndl	Ready	LicOK	2.6.8	SC4-WELCOME-2.6.8	Developers will receive Open Inventor, MipsPRO C++, MipsPRO C (replaced IDO), MipsPRO Fortran 77 and WorkShop.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
ProDev WorkShop	App	Ready	LicOK	2.6.8	SC4-WS-2.6.8	ProDev WorkShop development tools do not yet support the debugging of IRIX 6.5 Pthreads. Developers who must analyze IRIX 6.5 Pthreads information while debugging should use dbx until WorkShop 2.7 is made available. dbx is supplied on the IRIX Development Foundation (IDF) CD-ROM with IRIX 6.5. If you are using the evaluation copy of WorkShop 2.6.5 from the IDF CD-ROM, installing patch 2967 will enhance performance for debugging n32 applications and also enhance and raise the capacity of the Performance Analyzer. WorkShop 2.6.8 will be shipped on a separate CD to customers with the appropriate entitlement to the product or the applicable ProDev WorkShop bundles for IRIX 6.5.
ProDev WorkShop MegaDev	App	Obsolete	LicOK	n/a		Product obsolete, there is no replacement.
ProDev WorkShop MPFDEV Family Bundle#1	Bndl	Migrate	LicOK	n/a		This is the original MPFDEV bundle. It contained, MIPSpro Fortran 032 77, IDO, MIPSpro Power Fortran 032, ProDev WorkShop and ProDev WorkShop ProMPF. Customers under support will receive MIPSpro Fortran 77, C (replaced IDO), APO (replaced MIPSpro Power Fortran 77), ProDev WorkShop, ProDev WorkShop ProMPF during the IRIX 6.5 update. They will not receive MIPSpro Fortran 90.
ProDev WorkShop MPFDEV Family Bundle#2 - ver.1.4	Bndl	Obsolete	LicOK	n/a		There are two versions of the MPFDEV bundle for the IRIX 6.5 update. This was an older version which contained all MPFDEV versions up to and including MPFDEV6-1.4. Customers under support will receive MIPSpro Fortran 77, C (replaced IDO), APO (replaced Power MIPSpro Fortran 77), ProDev WorkShop, ProDev WorkShop ProMPF during the IRIX 6.5 update. They will not receive MIPSpro Fortran 90.
ProDev WorkShop MPFDEV Family Bundle#3 - ver.2.5.1+	Bndl	Ready	LicOK	2.6.8	SC4-PMPPF-2.6.8	There are two versions of the MPFDEV bundle for the IRIX 6.5 update. This version contains all MPFDEV versions from MPFDEV6-2.5.1 to current. Customers under support will receive MIPSpro Fortran 77, MIPSpro Fortran 90, MIPSpro C (replaced IDO), APO (replaces MIPSpro Power Fortran 77 and MIPSpro Power Fortran 90), ProDev WorkShop and ProDev WorkShop ProMPF.
ProDev WorkShop PDVADA Family Bundle	Bndl	Delayed	LicOK	2.7		Product delayed, supported customers will receive when available.
ProDev WorkShop PDVC++ Family Bundle	Bndl	Ready	LicOK	2.6.8	SC4-O2C++-2.6.8	Customers under support will receive the following products during the IRIX 6.5 update; MipsPRO C++, MipsPRO C (replaces IDO), Inventor, ProDev WorkShop, WorkShop. Rapidapp is obsolete.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
ProDev WorkShop PDVC++ Family Bundle for OCTANE	Bndl	Ready	LicOK	2.6.8	SC4-OCTC++-2.6.8	Customers under support will receive the following products during the IRIX 6.5 update; MipsPRO C++, MipsPRO C (replaces IDO), APO (replaces MipsPRO Power C), Inventor, ProDev WorkShop. Rapidapp is obsolete.
ProDev WorkShop PDVFTN Family Bundle#2 - ver.1.4	Bndl	Obsolete	LicOK	n/a		There are two version of the PDVFTN bundle for the IRIX 6.5 update. This is an older version which contains all PDVFTN versions up to and including PDVFTN-1.4. Customers under support will receive MIPSpro Fortran 77, MIPSpro C (replaced IDO) and ProDev WorkShop during the IRIX 6.5 update. They will not receive MIPSpro Fortran 90.
ProDev WorkShop PDVFTN Family Bundle#3 - ver.2.5.1+	Bndl	Ready	LicOK	2.6.8	SC4-PDVFTN6-2.6.8	There are two version of the PDVFTN bundle for the IRIX 6.5 update. This version contains all PDVFTN versions from PDVFTN-2.5.1 to current. Customers under support will receive MIPSpro Fortran 77, MIPSpro Fortran 90, MIPSpro C (replaced IDO) and ProDev WorkShop during the IRIX 6.5 update.
ProDev WorkShop PDVFTN WSPROFTN Bundle#1	Bndl	Migrate	LicOK	n/a		This is the original WSPROFTN/PDVFTN bundle. It contained, MIPSpro Fortran 032 77, IDO and ProDev WorkShop. Customers under support will receive MIPSpro Fortran 77, MIPSpro C (replaced IDO) and ProDev WorkShop during the IRIX 6.5 update. They will not receive a copy of MIPSpro Fortran 90.
ProDev WorkShop Pro C++	App	Obsolete	Express	n/a		Product obsolete, there is no replacement.
ProDev WorkShop ProDev Family Bundle	Bndl	Ready	LicOK	2.6.8	SC4-PDEV-2.6.8	Customers under support will receive C, (replaces IDO) and ProDev WorkShop during the IRIX 6.5 update.
ProDev WorkShop ProMPF	App	Ready	LicOK	2.8	SC4-MPFM-2.8	
ProDev WorkShop RapidApp	App	Obsolete	LicOK	n/a		Product discontinued effective March 1, 1998, support will be available for existing customers until March 1, 1999. Customers are encouraged to upgrade to Builder Xcessory from ICS. Contact info@ics.com for special pricing on BX for RapidApp users.
ProDev WorkShop Tester	App	Migrate	LicOK	n/a		This product features were incorporated into CaseVision/ProDev WorkShop 2.1. Support Customers will be updated with WorkShop.
ProDev WorkShop - ProDevLit	App	Migrate	LicOK	n/a		This is an obsolete bundle. It was replaced by the ProDev WorkShop ProDev Family bundle (SCC4-PRODEV-2.2). Customers on support will receive the C compiler and ProDev WorkShop as part of the IRIX 6.5 update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
ProDev WorkShop - ThinkPro	App	Migrate	LicOK	n/a		This is an obsolete bundle. It was replaced by the ProDev WorkShop ProDev Family bundle (SCC4-PRODEV-2.2). Customers on support will receive the C compiler and ProDev WorkShop as part of the IRIX 6.5 update.
ProDev WorkShop/CASEVision/Tracker	App	3PUpdate	LicOK	n/a		This product is obsolete. There is no replacement. RATIONAL has a product which contains similar features of Tracker called ClearDDTS 4.0. For more information, contact your local Rational representative or call (408) 863-9900 or check out: http://www.pureatria.com/products/ccmbu/clearddts/prod_info/datasheets/new_4.0.html .
ProDev WorkShop/CASEVision/Tracker - Bundle	Bndl	Delayed	LicOK	3.X		Product delayed, supported customers will receive when available.
ProPel	App	Obsolete	LicOK	1.1		Product obsoleted, support customers being notified. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
Provision	App	Ready	LicOK	1.1.2	SC4-PROVISN-1.1.2	
Quicktime Libraries	App	Incorp	Express	n/a		Quicktime was incorporated into IDO 6.2. As of IRIX 6.5 it has become a feature of the IDL/IDF part of IRIX 6.5.
React Pro	App	Ready	Express	3.2	SC4-REACT-3.2	
RoboInst	App	New	LicOK	1.0	SR4-RINST-1.0	Found on the IRIX 6.5 Installation Tools CD. Licenses must be purchased separately, RINST-1.0. RoboInst is a new software distribution product designed to handle OS upgrades, OS and application patch installation, application installation (both Inst format and 3d party) and disk configuration for a distributed network of SGI systems. It is currently supported for IRIX 6.5 and above but will handle upgrade of systems from IRIX 5.3 to IRIX 6.5. It can list installed software for a system, will perform in-place upgrades of software without manual de-installation of previous versions, manages compatibility issues (using inst), and has an easy API for developers to use.
SGI/CRAY Scientific Library (SCSL)	App	RevOK	Express	1.0	SC4-SCSL-1.0	Version 1.0 is compatible with IRIX 6.5. No update is required.
ShareII Scheduler	App	Delayed	LicOK	2.4		Product delayed, supported customers will receive when available.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
Shockwave	Bndl	Obsolete	LicOK	n/a		This bundle is obsolete. Customers on support will receive C (replaces IDO), ProDev WorkShop, ImageVision and Inventor during the IRIX 6.5 update. The following products have stories: DMDEV (IRIX 5.2 product, several migrations features now incorporated into the IRIX 6.5 Dev Library), Clearcase (delayed) and Tracker is obsolete.
Sirius Video	Acc, App	Ready	Express	6.5	SC4-SIRIUS-6.5	Customers on support who purchased the D4-SIRIUS-C, D4-SIRIUS-G, D4-SIRIUS-IR, D4-SIRIUS-S product codes will receive the Sirius Video 6.5 CD during the IRIX 6.5 update.
Site Manager	App	Migrate	Express	1.1		Site Manager (once called Cosmo Site) is available on the IRIX 6.5 Applications CD. It can also be down loaded from: http://www.sgi.com/Products/Evaluation/
SoftWindows	App	Ready	LicOK	5.0	SC4-SWIN95-5.0	SoftWindows versions 2.0 and later are compatible with IRIX 6.5. Customers on support with an existing 4.0 version license will receive the 5.0 update. Other customers with older versions of SoftWindows are encouraged to upgrade to SoftWindows 95 5.0. Contact your local sales representative for a special upgrade price.
SoftWindows Japanese	App	RevOK	LicOK	4.0	SC4-SWIN95J-4.0	SoftWindows versions 2.0 and later are compatible with IRIX 6.5. The 5.0 version is not currently available for Japanese customers.
StreamCaster for CHALLENGE	App	Delayed	LicOK	None		Product delayed, supported customers will receive when available.
StreamCaster for ORIGIN	Bndl	Delayed	LicOK	None		Product delayed, supported customers will receive when available.
StudioCentral	App	Ready	Express	1.1.1	SC4-SCDKI-1.1.1	
StudioLive	App	Obsolete	Express	n/a		This product was obsoleted during the IRIX 6.2 update.
SVideo (Starter)	Acc	Obsolete	Express	n/a		The last release of this product was compatible with IRIX 5.3. It is old technology and no longer updated.
SX.25 Gateway	App	Obsolete	Express	n/a		The IBM Protocols and drivers are all considered outdated and are not supported on IRIX 6.5. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.
Synconnect	App	Obsolete	Express	n/a		This product is obsolete. There is no replacement. See http://support.sgi.com/6.5/spk/ObsProducts.ps for more information.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
TKO	App	Incorp	Express	n/a		The TKO Onyx Operating System software originally released 10/24/94 for IRIX 5.2 and was incorporated into IRIX ia the 5.3 release.
Token Ring	App	Obsolete	Express	n/a		Product obsoleted, support customers being notified. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for details.
Tooltalk Development	App	Obsolete	Express			Beginning with the IRIX 6.5 release, the Tooltalk Development Environment will no longer be supported.
Trusted IDO	App	Incorp	Express	n/a		TIDO features were bundled into IDO 5.2.
Trusted IRIX	App	Ready	Express	6.5	SC4-TRIX-6.5	
Uimx	App	3PUpdate	Express	n/a		The latest version of UIMX is 3.0.6 which is IRIX 6.3 compatible. Bluestone is working on a 64 bit IRIX 6.4 version and in the future will be working on a 6.5 compatible version. Any questions call - BLUESTONE 1-609-727-4600.
Unity	App	Obsolete	Express	n/a		Product obsoleted during the IRIX 6.2 update. There is no replacement.
VCP-Recorder Development Kit	App	RevOK	Express	1.0	SC4-VCPREC-1.0	
Video Creator	App	Obsolete	Express	n/a		This was an old IRIX 4.X product which was incorporated into IRIX 5.2. During the IRIX 6.2 update it was classified as old technology and obsoleted.
Video Format Compiler	App	Incorp	Express	n/a		This product has been incorporated into IRIX 6.5. Version 1.2 is located on the IRIX 6.5 foundation2 CD.
Video Framer	App	Obsolete	Express	n/a		This was an old IRIX 4.X product which was incorporated into IRIX 5.2. During the IRIX 6.2 update it was classified as old technology and obsoleted. Sirius was a suggested upgrade for this product.
Video Lab	App	Obsolete	Express	n/a		This product was incorporated into IRIX 5.2. It is old technology which is no longer updated.
ViewKit	App	Incorp	Express	1.5.2		This software is located on the IRIX 6.5 Foundation1 CD.
Vigra Sound	App	3PUpdate	Express			This product is supported by VIGRA on IRIX 5.3 and 6.2 only. There is no support for Vigra Sound on IRIX 6.5. Questions call: VIGRA 1-619-597-7080
VMDEV Family - Bundle	Bndl	Obsolete	Express	n/a		This is an obsolete bundle. Customers under support will receive ImageVision, Inventor and MipsPro C during the IRIX 6.5 update.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
VMLIB Family - Bundle	Bndl	Obsolete	Express	n/a		This is an obsolete bundle. Customers under support will receive ImageVision and Inventor during the IRIX 6.5 update.
Volume Manager	App	Obsolete	LicOK	n/a		This product was obsoleted during the IRIX 6.2 update. It was not IRIX 6.2 compatible. It's functionalities were replaced by XLV which can be found on the IRIX 6.5 foundation CD in the sub system eoe.sw.xlv.
VSeries	App	Obsolete	Express	n/a		The final release of this product was IRIX 5.2 compatible.
WebFORCE Authoring - Bundle	Bndl	Migrate	LicOK	n/a		This obsolete bundle contained, WebMagic Pro and WebSpace Author. Customers under support will receive Cosmo Create. This product has been placed onto the IRIX 6.5 Applications CD as an unlicensed product for the IRIX 6.5 update.
WebFORCE Commerce Jump Start	App	3PUpdate	Express	n/a		This CD includes 3rd party software products. It is included with the initial purchase of all WebFORCE commerce-enabled O2 and Origin200 systems. It is not available through the Customer Support update process.
WebFORCE Corporate Option	Bndl	Obsolete	LicOK	n/a		The WebFORCE Corporate Option bundle has been obsoleted. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for further details.
WebFORCE Developer	App	Obsolete	LicOK	n/a		Product obsoleted, there is no replacement.
WebFORCE Director Server ORGIN 2000	App, SA	Delayed	LicOK	2.0		Product delayed, supported customers will receive when available.
WebFORCE Intranet Junction	App	Request	Express	1.0.2	SC4-WEBIJ-1.0.2	Version 1.0.2 is required for IRIX 6.5. Call your Technical Assistance Center if you require it.
WebFORCE MediaBase	App	Delayed	LicOK	3.0		Product delayed, supported customers will receive when available.
WebFORCE PNReal Server	App	3PUpdate	Express	5.0		This is Third party software supplied by Real Networks. Current versions of PNServer 4.0 and 5.0 are compatible with IRIX 6.5. Questions use: http://www.real.com/
WebFORCE Server Pack	Bndl	RevOK	LicOK	1.5	SC4-WEBPACK-1.5	All versions of WebFORCE Server Pack are compatible with IRIX 6.5.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
WebFORCE SMP Commerce Server Pack	Bndl	Migrate	LicOK	n/a		This bundle has been obsoleted. Customers under support will receive the IRIX 6.5 compatible NFS (incorporated into IRIX 6.5) and XFS (incorporated into the IRIX 6.5 Foundation CD) during the update. The current version of Netscape Commerce Server is IRIX 6.5 compatible.
WebFORCE SMP Communication Server Pack	Bndl	Migrate	LicOK	n/a		This bundle has been obsoleted. Customers under support will receive the IRIX 6.5 compatible NFS (incorporated into IRIX 6.5) and XFS (incorporated into the IRIX 6.5 Foundation CD) during the update. The Netscape Communication Server has been replaced by FastTrack (located on the IRIX 6.5 Applications CD). In addition the current version of Netscape Communication Server is IRIX 6.5 compatible.
WebFORCE Syntax Server	App	Delayed/3 PUpdate	Express	5.3		Syntax is a third party application. TAS 5.2 does not work with IRIX 6.5. Customers with questions can view: http://www.syntax.com/ or call 253 838 2626 (Domestic), (31) 365227676 (International) for the latest information.
WebFORCE WebMagic Pro	App	Migrate	Express	n/a		This product is obsolete. Its features are now a part of Cosmo Create. Cosmo Create 1.0.3 has been incorporated into the IRIX 6.5 Applications CD as an unlicensed product.
WebFORCE WebMeter, WebFORCE WebMeter Client, WebFORCE WebMeter Server	App, LO, LO	Obsolete	LicOK, Express, Yes	n/a		These three products have been obsoleted. There are no replacements for IRIX 6.5.
WebFORCE WebSpace Author	App	Obsolete	Express	n/a		This product is obsolete.
WebFORCE WorkGroup Option	Bndl	Obsolete	LicOK	n/a		This is an obsolete bundle which contains licenses for Intranet Junction, Netscape News and Mail servers. All products are compatible with IRIX 6.5 except for Intranet Junction which requires the 1.0.2 version. Support Customers can call the Technical Assistance Center if they require it. See the IRIX 6.5 Update Guide, http://support.sgi.com/6.5/spk/UpdateGuide.ps for further details.
WebFORCE Xing StreamWorks Server	App	3PUpdate	LicOK	n/a		XING StreamWorks Server is third party software which is obsolete. It was located on the Webforce May 1996 CD. Similar streaming audio products are supplied by Silicon Graphics as in the WebForce MediaBase or by Real Networks' Progressive Network Server Software.
WindView	App	Delayed	LicOK	n/a		Product delayed, supported customers will receive when available.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
WorldView Books Japanese	App	Ready	Express	6.5	SC4-WVBJ-6.5	
WorldView Chinese	App	Ready	Express	6.5	SC4-WVLC-6.5	
WorldView Chinese Fonts Simplified	App	Incorp	Express	n/a		Incorporated into WorldView Chinese.
WorldView Chinese Fonts Traditional	App	Incorp	Express	n/a		Incorporated into WorldView Chinese.
WorldView Europe	Bndl	Obsolete	Express	6.5		This product has been replaced by WorldView German and WorldView French. Customers who purchased the WorldView Europe product will receive both the French and German language modules.
WorldView Fonts Japanese	App	Incorp	Express	n/a		Incorporated into the WorldView Japanese product.
WorldView French	App	Ready	Express	6.5	SC4-WVLF-6.5	New for IRIX 6.5.
WorldView German	App	Ready	Express	6.5	SC4-WVLG-6.5	New for IRIX 6.5.
WorldView Japanese	App	Ready	Express	6.5	SC4-WVLJ-6.5	
WorldView Korean	App	Ready	Express	6.5	SC4-WVLK-6.4	
WorldView Thai	App	Obsolete	Express	n/a		Product is obsolete. There is no replacement.
WorldView - Le Boite	Bndl	Obsolete	Express	n/a		Obsoleted one-time developer bundle which contained CLM (WVLC), ELM (WVLE), JLM (WVLJ), KLM (WVLK). Customers under support who purchased this bundle will automatically be updated with the components as long as the the components are updated. See separate products for update information.
XFS	App	Incorp	n/a	2.0		XFS was originally sold as versions 1.0 and 2.0. It was incorporated as a feature into IRIX 6.0.1. The existing version 2.0 and license is compatible with IRIX 6.5. It is located on the IRIX 6.5 foundation CD in the eoe.sw.xfsrt sub system.
XFS Guarn 40 Stream	App	RevOK	LicOK	2.0	SR4-GRIO40-2.0	This product requires a license. It is located on the IRIX 6.5 Foundation CD in the eoe_sw_xfsrt, eoe_sw_xlv_plex sub systems. The current license is compatible with IRIX 6.5.

Table 4-4 Software Product Knowledge Summary

Product Name	Update Status	Product Type	Licensed	Version for IRIX 6.5	Marketing Code	Product Notes
XFS Guarn Unlimited Streams	App	RevOK	LicOK	2.0	SR4-GRIOMAX-2.0	This product requires a license. It is located on the IRIX 6.5 Foundation CD in the eoe_sw_xfsrt, eoe_sw_xlv_plex sub systems. The current license is compatible with IRIX 6.5.
XFS Volume Plexing	App	RevOK	LicOK	2.0	SR4-PLEX-2.0	This product requires a license. It is located on the IRIX 6.5 Foundation CD in the eoe_sw_xfsrt, eoe_sw_xlv_plex sub systems. The current license is compatible with IRIX 6.5.
XPS Enabler	Bndl	Delayed		2.0		Product delayed, supported customers will receive when available.