



Sun StorEdge™ Instant Image 2.0.1 Release Notes

Sun Microsystems, Inc.
901 San Antonio Road
Palo Alto, CA 94303
U.S.A. 650-960-1300

Part No. 806-5603-12
September 2001, [Revision A](#)

[Send comments about this document to: docfeedback@sun.com](mailto:docfeedback@sun.com)

Copyright 2001 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, CA 94303-4900 U.S.A. All rights reserved.

This product or document is distributed under licenses restricting its use, copying, distribution, and decompilation. No part of this product or document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any. Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, Sun StorEdge, Sun Enterprise, AnswerBook2, Java, docs.sun.com, and Solaris are trademarks, registered trademarks, or service marks of Sun Microsystems, Inc. in the U.S. and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements. Adobe is a registered trademark of Adobe Systems, Incorporated. PostScript is a trademark or registered trademark of Adobe Systems, Incorporated, which may be registered in certain jurisdictions.

Federal Acquisitions: Commercial Software—Government Users Subject to Standard License Terms and Conditions.

DOCUMENTATION IS PROVIDED “AS IS” AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2001 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, CA 94303-4900 Etats-Unis. Tous droits réservés.

Ce produit ou document est distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a. Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Sun StorEdge, Sun Enterprise, AnswerBook2, Java, docs.sun.com, et Solaris sont des marques de fabrique ou des marques déposées, ou marques de service, de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays. Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc. Adobe est une marque enregistrée de Adobe Systems, Incorporated. PostScript est une marque de fabrique d'Adobe Systems, Incorporated, laquelle pourrait être déposée dans certaines juridictions.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciés de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE “EN L'ETAT” ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.



Sun StorEdge Instant Image 2.0.1 Release Notes

This document contains important last-minute product information about the Sun StorEdge™ Instant Image 2.0.1 product, including the following topics:

This document contains the following information:

- [“Installation and Service Information” on page 2](#)
- [“Related Documentation” on page 3](#)
- [“Solaris Operating Environment Requirements” on page 3](#)
- [“Solaris Operating Environment Patches” on page 4](#)
- [“Product Notes” on page 4](#)

Also see the *Sun StorEdge Target Emulation 1.2 Release Notes* and the *Sun StorEdge Instant Image 2.0 Release Notes* for information about those products.



Caution – The Sun StorEdge Instant Image 2.0.1 software is not intended to be used to provide additional storage. Do not reconfigure or reformat the shadow volume. If you build a new file system or database on the shadow volume, you will create a new infrastructure based on a size larger than the master. This unsupported use of this product might lead to undesirable results such as data corruption. Refer to the *Sun StorEdge Instant Image 2.0.1 Installation Guide* for configuration considerations

Installation and Service Information

If you are a Sun™ support or service provider, for product information, go to:

<http://webhome.ebay/networkstorage/products/>

For installation services in the U.S., contact Sun at the following number.

1-800-USA4SUN (1-800-872-4786)

For installation services outside the U.S., contact your local sales or service representative.

For information about service, sales, consulting, and support, go to:

<http://www.sun.com/service/support/contactsalesoffice.html>

<http://www.sun.com/service/support/sunsolve/index.html>

Related Documentation

For late-breaking news about this Version 2.0 release, go to the following web site:

<http://www.sun.com/storage/software/>

For the latest version of released storage software documentation, go to:

<http://www.sun.com/products-n-solutions/hardware/docs/Software/>

Application	Title	Part Number
man pages	svadm(1SV) iiadm(1M) ii_control ii_config ii_health steadm(1M) steconf(4) ste.cf(4) ifptm(1M) sftm(1M) ste(1M)	N/A
Software Installation	<i>Sun StorEdge Instant Image 2.0.1 Installation Guide</i>	806-5317
Configuration	<i>Sun StorEdge Instant Image 2.0.1 Configuration Guide</i>	806-5318
Release	<i>Sun StorEdge Target Emulation 1.2 Release Notes</i>	806-5527
	<i>Sun StorEdge Instant Image 2.0 Release Notes</i>	806-0231

Solaris Operating Environment Requirements

The first release of the Solaris™ Operating Environment (OE) that supports this product is Solaris 2.6 5/98. If you are running an earlier release of the Solaris OE, you must upgrade it to run the software that is part of this product.

Solaris Operating Environment Patches

Install the latest Solaris Recommended Patch Cluster before you install the Sun StorEdge Instant Image 2.0.1 software. If you have a Sun service contract, you can download the latest patch information from the SunSolve website:

<http://www.sunsolve.sun.com/>

You must install the patches in TABLE 1 to enable the shadow volume driver to create more than 512 master and shadow volume pairs.

TABLE 1 Core and Sun StorEdge Instant Image Patches

Patch ID	Solaris Version
109967, 109975	2.6
109969, 109977	7
109970, 109978	8

The patches in TABLE 2 are required for the Sun StorEdge Instant Image Management Services Tools patches:

TABLE 2 Sun StorEdge Management Services Tools Patches

Patch ID	Solaris Version
109624	2.6, 7, 8
110626	2.6, 7, 8

Product Notes

This section contains information about the following topics:

- [“Sun StorEdge Software and Java Software Requirements” on page 5](#)
- [“Configuration Requirements” on page 6](#)
- [“Product Limitations” on page 6](#)
- [“Panic Dump Space and the Sun StorEdge Software” on page 7](#)
- [“Running Sun Target Emulation Utility with the Sun StorEdge Instant Image Software” on page 7](#)

Sun StorEdge Software and Java Software Requirements

The following paragraphs describe the required Java software versions for the Sun StorEdge software.

Sun StorEdge Instant Image Software

This software requires that the Java™ runtime environment (JRE) be installed to operate properly. At the time of this release, only the following versions of the Java software are supported:

- For installations *without* the Sun StorEdge Component Manager 2.1 software:
Java Versions 1.2.1_04b through 1.2.2_05a
- For installations *with* the Sun StorEdge Component Manager 2.1 software:
Java Version 1.2.2_05a

Note – Java Version 1.3.0 and more recent versions are not supported by the Sun StorEdge Instant Image 2.0.1 or Sun StorEdge Component Manager 2.1 software.



Caution – You must install a supported version of the Java software prior to installing the Sun StorEdge software. If you do not upgrade the system to a supported Java version, you can still install the software, but the software might not operate properly once the installation is complete.

To verify the version of the Java software currently installed on the system, type the following:

```
# java -version
```

To update your version of the Java software, go to <http://java.sun.com>.

Note – To install the French, Japanese or Chinese localized version of the Sun StorEdge software, load the localized version of the Java software.

Sun StorEdge Component Manager 2.1 Software

If you plan to install the Sun StorEdge Component Manager 2.1 software, do so prior to installing the Sun StorEdge Instant Image 2.0 Software.

Configuration Requirements

The following table lists the hardware and software configurations that you can use. This release supports only the target servers listed here. PCI-based target servers are not supported.

Target Server	Fibre Channel Host Adapter	Storage System
Sun Enterprise™ server models 3500, 4x00 to 6x00, and 10000	SBus, part number 501-3060	Any storage system supported by Sun
Qualified Initiators	Fibre Channel Host Adapter	
Sun Enterprise PCI-based servers	PCI, part number 375-0040	
Sun Enterprise SBus-based servers ES3500, ES4x00 to ES6x00, ES10000	SBus, part number 501-3060	

Product Limitations

The Sun StorEdge Instant Image 2.0.1 software is not supported in a clustered environment and also does not support the following features:

- PCI-based target servers
- VERITAS Dynamic Multi-pathing (DMP)
- Dynamic Reconfiguration (DR)
- Alternate Pathing (AP)

Panic Dump Space and the Sun StorEdge Software

Before you install the storage cache management package `SUNWscm`, make sure your dump partition (normally the primary swap partition) is large enough to dump all configured memory on your server. You also must ensure that the `/var/crash` directory has enough free space to store a crash dump file.

In the unlikely event of a system panic, the Sun storage cache management software (`SUNWscm`) captures the panic dump and storage library information. The capture is enabled by default, so that if a failure caused by software or hardware does occur, it can be diagnosed on the first incident.

The information is captured by the `/etc/init.d/issdump` script for use by Sun Enterprise Services. The `/etc/init.d/issdump` script is linked to the `/etc/rc2.d/S19issdump` service.

Running Sun Target Emulation Utility with the Sun StorEdge Instant Image Software

The Sun target emulation utility package `SUNWte` and storage volume (SV) software cannot share the same volume. If you are using the Sun StorEdge Instant Image software and you have a volume that you want under target emulation control, remove the volume from SV control, add the volume to the `ste.cf` file, and restart the Sun StorEdge Instant Image software.

