

# Sun StorEdge™ Instant Image 2.0 Release Notes

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# Sun StorEdge Instant Image 2.0

## Release Notes

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This document contains important product information, open bugs with workarounds, and interoperability.

Instant Image 2.0 runs on Solaris™ 2.6 5/99 and subsequent releases. If you are running an earlier release, you must upgrade in order to run Instant Image 2.0.

For late-breaking news about this release, go to the following web sites:

[http://www.sun.com/storage/software/instant\\_image.html/](http://www.sun.com/storage/software/instant_image.html/)

[http://webhome.ebay/networkstorage/products/instant\\_image/](http://webhome.ebay/networkstorage/products/instant_image/)  
(this web site is intended only for Sun support and service providers)

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## Related Docs

Application	Title	Part Number
man Pages	svadm(1SV)	N/A
	iiadm(1M)	
	ii_control(1M)	
	ii_config(1M)	
	ii_health(1M)	
System Administration	<i>Sun StorEdge Instant Image 2.0 System Administrator's Guide</i>	806-0230-10
Installation	<i>Sun StorEdge Instant Image 2.0 Installation Guide</i>	806-4004-10

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# Product Notes

## Track 0 Overwrite Problem

Instant Image may overwrite track 0, the disk label. Be aware of this if you set up shadow volumes which use track 0. Refer to the *Sun StorEdge Instant Image 2.0 System Administrator's Guide* for further details.

## Ensuring Dependent Volume Consistency

You may get inconsistent results when you create a dependent volume, then make multiple updates to the master volume, and enter:

```
iiadm -u s
```

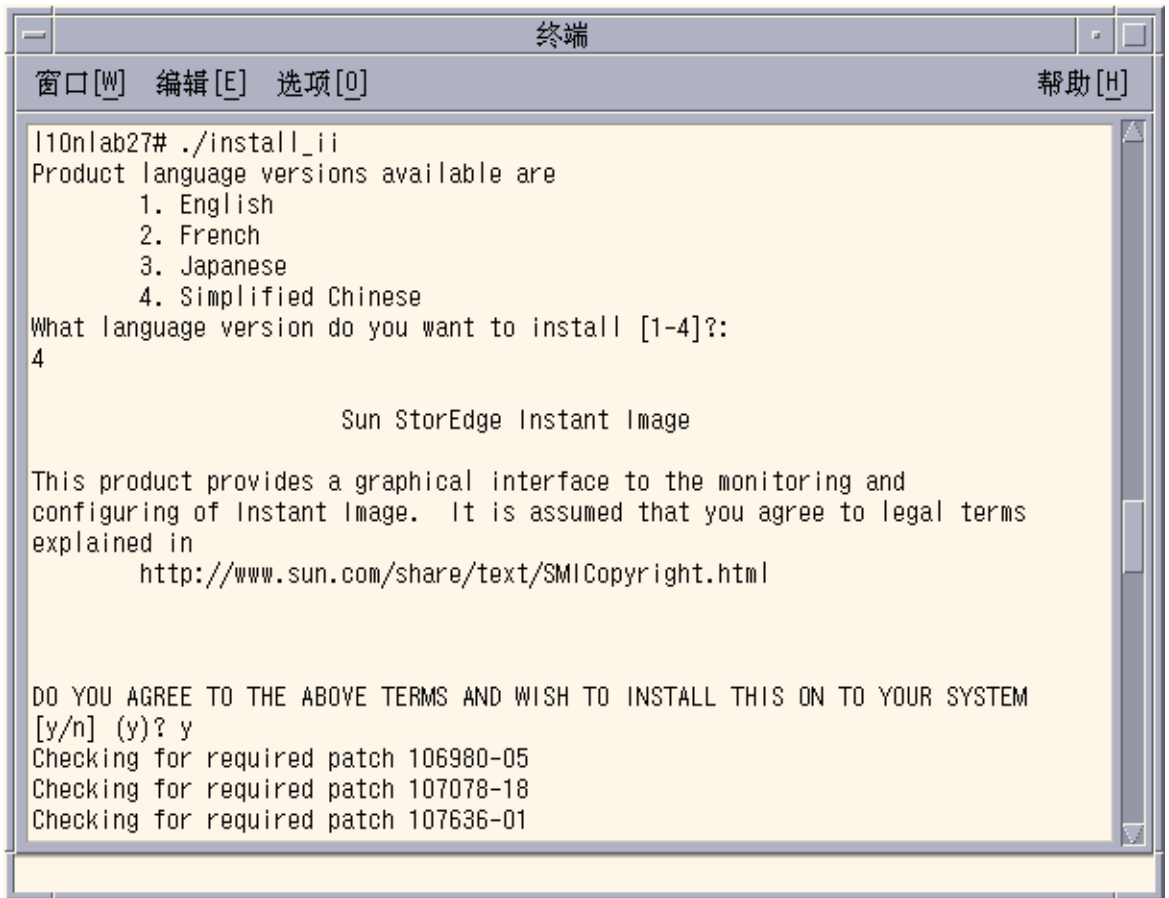
To prevent this problem, use one of these solutions:

1. **Run** `/usr/bin/sync` **just before** `iiadm`
2. **Unmount the source filesystem, then run** `iiadm` **(this will preclude having to** `fsck` **the shadow)**
3. **Mount the master filesystem using the** `ufs` **option** `forcedirectio`.

## Reading Instant Image Man Pages

The command given in the *Sun StorEdge Instant Image 2.0 Installation Guide* to set the `MANPATH` environment variable to include `/usr/opt/SUNWesm/man` should be:

```
# set MANPATH=$MANPATH:/usr/opt/SUNWesm/man
# export MANPATH
```



## Adding Instant Image Volumes

The command given in the *Sun StorEdge Instant Image 2.0 Installation Guide* in step 4 under “To Add Instant Image Volumes” should be entered as:

```
# /usr/opt/SUNWesm/SUNWspsv/svadm -r
```

## Installing Non-English Versions

For a localized build of Instant Image, select the locale language version that you want the installation script to install. Here is an example of the screen in which you make this selection.

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# Open Bugs

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**Note** – The following bug is extremely important to you if you upgrade from the Solaris 7 system software to the Solaris 7 8/99 system software or subsequent versions.

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**4295909**

*OS update causes system panic with incorrect SUNWscm version.*

An upgrade from the Solaris 7 system software to the Solaris 7 8/99 system software or subsequent versions will cause a Data Service crash when you reboot the system after shutdown.

**Workaround:**

1. **Uninstall all Data Services software.**
2. **Install the correct version of Data Services.**

**4303437**

*Uninstall script does not remove all files.*

The *Sun StorEdge Instant Image 2.0 Installation Guide* states that the uninstall script removes all files. The script uninstalls all but persistence and log files.

**Workaround:** It is only safe to remove persistence and log files after all management services have been removed. Persistence files are in:

`/var/opt/SUNWesm/mc/persistence`

`/var/opt/SUNWesm/mo/persistence`

**4306093**

*SyMON 2.1 fails after Instant Image 2.0 installation.*

When you run Sun™ Management Center after installing Sun StorEdge Component Manager, Sun Management Center will fail to run due to JTG version conflicts. The Sun StorEdge Management Console baseline, 1.1.0.5, is based on JTG 1.2.1\_04. However, Sun Management Center will only run with JTG 1.2.1\_04a.

**Workaround:** Change the following Sun Management Center files:

```
/opt/SUNWsymon/classes/base/console/bin/es-console.sh  
/opt/SUNWsymon/classes/base/server/bin/es-server.sh
```

This assumes that Sun Management Center is installed under the default directory:  
/opt/SUNWsymon.

In both of the files, change:

```
OUT='java -version 2>&1 | grep -c "Solaris_JDK_1.2.1_04a"'
```

to:

```
OUT='java -version 2>&1 | grep -c "Solaris_JDK_1.2.1_04"'
```

### **4306409**

#### ***Uninstallation script removes package of SUNWcj2rt***

When uninstalling all Storage Management Service products (Component Manager, Instant Image and Fast Write Cache), the Java™ Runtime environment is unconditionally removed.

**Workaround:** If you are running the Solaris 2.6 or 2.7 system software, manually reinstall the Java Runtime.

### **4306925**

#### ***Starting GUI explanation in Installation Guide includes incorrect instruction***

On page 11 of the *Sun StorEdge Instant Image 2.0 Installation Guide*, the section “Starting the Sun StorEdge Management Console” includes unnecessary instructions. The instructions should read thus:

If you have shut your server down and restarted after fully installing Instant Image software (refer to the *Sun StorEdge Instant Image Installation Guide* for installation information), start the Sun StorEdge Management Console (Management Console).

- 1. Become superuser (root).**
- 2. Start the Management Console. The console window is displayed; see FIGURE 1.**

```
# /usr/opt/SUNWesm/bin/esm_gui &
```

The Instant Image software is ready for use.

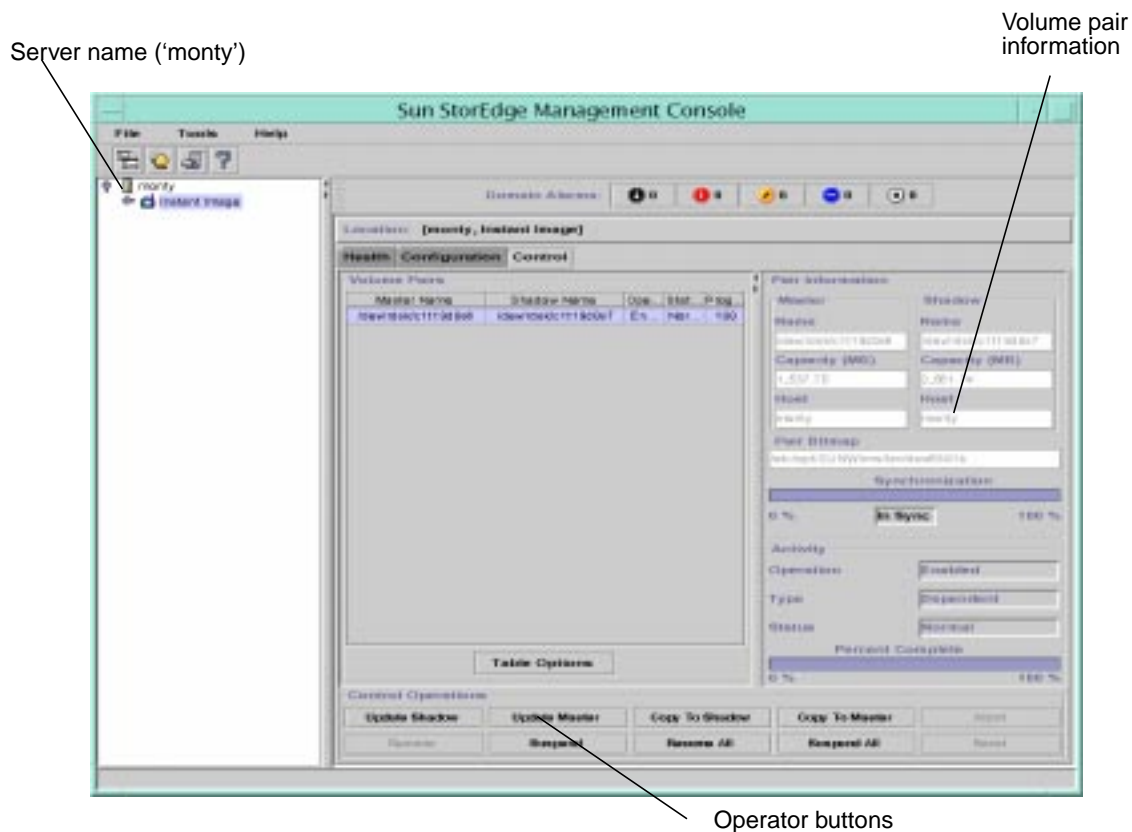


FIGURE 1 Instant Image Control Tab

4310148

*Bitmap configuration formula described in System Administrator's Guide does not work.*

When employing the 8KBytes per GByte and 8KBytes for overhead rule for bitmap configuration (page 1-7 of the *System Administrator's Guide*), the bitmap is too small to enable.

**Correct formula:** The minimum size for bitmap configuration is 32KBytes: A 24KByte base and 8KBytes for the first GByte at 8KBytes per GByte.



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# Storage Management Services Interoperability

This section describes the dependencies and interactions of Management Services (MS) and the underlying Intelligent Storage System (ISS) Data Services (DS). The Management Services are a group of applications responsible for managing specific ISS Data Services in addition to providing support for Volume Management.

In order to better understand the interoperability and dependency details of the Management Services, you must have a working knowledge of the underlying ISS Data Services and the Volume Management Services.

All of the ISS Data Services and Management Services use Volume Management Services for configuring storage devices. The ISS Data Services also use the Storage Cache Management Service for caching and to coordinate access to the devices. Volumes are created, modified and deleted with the Volume Management Service. This includes such details as formatting and partitioning the volumes. These Volumes are then configured for use with the Storage Volume (SVI) Service and/or the SCSI Target Emulation (STE) service.

Configuring these devices with SVI or STE provides access to the devices for the Instant Image (II) and Network Data Replicator (NDR) services.

