
Tips for Upgrading From Solstice Backup 4.2.x to 5.x

Use the following procedure to upgrade from Solstice Backup 4.2.x to 5.x software. This procedure can help to prevent known problems and to recover from these problems if they occur. Backing up the file indexes to tape will allow you to easily recover from problems that occur during the upgrade process.

1. **Enter the enabler code and the authorization code to enable the new release of the Solstice Backup software. Refer to the instructions in the *Solstice Backup 5.5 Installation Guide and Release Notes (806-1134-10)*; see “How to Enable and Register the Software”.**

Use the enabler code provided in the letter you received announcing the software upgrade for updating from an earlier release. If you no longer have this letter, contact your local Sun solution center or service provider.

2. **Generate a new copy of the information shown in the Registration window and fax or mail the form to Sun Customer Service.**

A new authorization code will be returned for you to enter in the Registration window, which permanently enables your updated Solstice Backup software.

3. **Make sure that recent, full backups of the file indexes (/nsr/index), server resource files (/nsr/res), and media database (/nsr/mm) are available by performing the following steps:**

Important – The indexes are converted automatically the first time you start the Solstice Backup daemons. For automatic index conversion, make sure there is free disk space for double the size of your largest index. If you do not have enough free disk space, you can remove the indexes when you remove the Solstice Backup software, and then recover and convert the indexes according to the instructions in the *Solstice Backup 5.5 Installation Guide and Release Notes* (see “How to Recover the Server Index and Media Database”).

- a. **Type the following command:**

```
# nsrck -F
```

This command checks the consistency of the indexes and can fix potential problems when you are upgrading the Solstice Backup software, especially when an index upgrade occurs. (The index is upgraded when you upgrade from Solstice Backup 4.2.x to 5.x.)

If errors do not occur, continue to Step b. If errors occur, run the `nsrck -F` command again. If errors persist, remove the client index and recover a previous version from tape.

- b. **Type the following command:**

```
# savegrp -O group -l full
```

This command performs a full backup of your file indexes. For best results, the group should include all of the Solstice Backup clients so that each client index is fully backed up. If there is no group that includes all of the Solstice Backup clients, run this command for every group.

Note – This command backs up indexes only from the Solstice Backup server; the Solstice Backup clients do not back up any data.

4. **Become root on the system from which you want to remove the Solstice Backup 4.2.x software and type the following command:**

```
# nsr_shutdown
```

This command identifies and kills the Solstice Backup processes on a Solstice Backup server. Use this command whenever you need to install or remove the Solstice Backup software.

Note – Be sure to save a copy of the `nsr.res` and `nsrjb.res` files to an alternate location because they contain important Solstice Backup configuration information. While these files can be recovered from tape, recovery will be easier if you have a copy on disk.

5. **Remove the earlier version of the Solstice Backup software (but not the indexes); refer to the instructions in the *Installation Guide and Release Notes* (see “Removing the Backup Software”).**

Type the `pkgrm` command with the individual package you want to remove, for example:

```
# pkgrm SUNWsbus
```

The Solstice Backup software packages are:

- SUNWsbus – the client software
- SUNWsbusn – the storage node software
- SUNWsbusm – the man pages
- SUNWsbus1 – the server software
- SUNWsbus2 – the device drivers



Caution – Do not choose the default option `all` to remove the Solstice Backup software packages. Choosing this option might remove all the software packages that were installed on your computer using the `pkgadd` utility.

6. **Install the new release of the Solstice Backup software with the `pkgadd` command utility; refer to the instructions in the *Installation Guide and Release Notes*.**

During the installation procedure, respond “No” whenever you are asked if you would like to start the Solstice Backup daemons. It is best to wait until the software installation is complete before starting the Solstice Backup daemons.

7. **Type the following command to start the Solstice Backup server and the index conversion:**

```
# /etc/rc2.d/S95networker start
```

The time required to complete the index conversion depends on the following:

- Number of clients
- Size of the indexes
- Capacity and speed of the Solstice Backup server

The Solstice Backup administration program (`nwadmin`) will notify you when this procedure is complete.

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8. If you encounter problems with client indexes during the index conversion process, stop the Solstice Backup daemons and remove the client index that is causing problems.

This index can be recovered from tape by using the GUI version of the Solstice Backup recovery program (`nwrecover`) on the Solstice Backup server; see the *Solstice Backup 5.5 Administration Guide* (806-1135-10) for instructions on using `nwrecover`. When the index is recovered from tape, it will be converted to the new index format.

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Solstice Backup™ 5.5.1

Read Me First

About This Document

This document is a supplement to the *Solstice Backup 5.5 Installation Guide and Release Notes* (806-1134-10). It contains the following information:

- Release information for the Solstice Backup™ software in the Solaris™ 8 operating environment
- Tips on upgrading from Solstice Backup 4.2.x to 5.x.

Solaris 8 Support

On servers running the Solaris 8 operating environment, the Solstice Backup 5.5.1 LUS drivers in the Solstice Backup device drivers package (`SUNWsbu2`) will *not* operate properly until you install a software patch.

Installing the Software Patch

Important – If the software patch is installed with the `-R` option, you *must* reboot the client system to complete the driver installation.

1. **Install the Solstice Backup 5.5.1 software as described in the *Solstice Backup 5.5 Installation Guide and Release Notes* (806-1134-10).**
2. **Download Patch ID 108556-xx (latest revision level) from the SunSolve OnlineSM web site.**

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

3. **Log in to the target system as `root`.**
4. **Install the patch.**

