Sun Update Connection – Enterprise Release Notes

Versions 1.0.0 – 1.0.3

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Preface

The *Sun Update Connection – Enterprise Release Notes* provides information to system administrators about addressing known issues with the Sun℠ Update Connection – Enterprise software.

How This Book Is Organized

This book includes three chapters.

Chapter 1 describes known issues and their workarounds.

Chapter 2 describes how to back up a Sun Aduva OnStage installation and upgrade to Sun Update Connection – Enterprise.

Chapter 3 describes the bugs which were addressed in this release and highlights new features found in the release.

Related Books

In addition to this book, find more information in the following publications:

- Sun Connection site on BigAdmin at http://www.sun.com/bigadmin/hubs/connection/ (`http://www.sun.com/bigadmin/hubs/connection/`).
- *Sun Update Connection – Enterprise 1.0 Quick Start Guide: Getting Started*

  This book includes information about planning for an installation, and installing Sun Update Connection – Enterprise software. This book also includes step-by-step procedures for uninstalling the Sun Update Connection – Enterprise agent, console, or CLI.
- *Sun Update Connection – Enterprise 1.0 Administration Guide*

  This book includes procedures for installation, customization, backup and restore, support of Shared Resources, and advanced configurations. This book also includes explanations of solutions for Linux and Solaris technology, servers in the solution, and security.
- *Sun Update Connection – Enterprise 1.0 User's Guide*

  This book includes procedures for managing software, hosts, groups, and users.

Documentation, Support, and Training

The Sun web site provides information about the following additional resources:

- Documentation (`http://www.sun.com/documentation/`)
- Support (`http://www.sun.com/support/`)
- Training (`http://www.sun.com/training/`)

Sun will provide a technical faq in a read only format at `http://forum.sun.com/jive/forum.jspa?forumID=334`. The URL is subject to change and may be removed at Sun's discretion.

Typographic Conventions

The following table describes the typographic conventions that are used in this book.

TABLE P–1 Typographic Conventions

Typeface	Meaning	Example
`AaBbCc123`	The names of commands, files, and directories, and onscreen computer output	Edit your `.login` file. Use `ls -a` to list all files. `machine_name% you have mail.`
`AaBbCc123`	What you type, contrasted with onscreen computer output	`machine_name%` **`su`** `Password:`
aabbcc123	Placeholder: replace with a real name or value	The command to remove a file is `rm` *filename*.
AaBbCc123	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the *User's Guide*. A *cache* is a copy that is stored locally. Do *not* save the file. **Note:** Some emphasized items appear bold online.

Shell Prompts in Command Examples

The following table shows the default UNIX® system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P–2 Shell Prompts

Shell	Prompt
C shell	`machine_name%`
C shell for superuser	`machine_name#`
Bourne shell and Korn shell	`$`
Bourne shell and Korn shell for superuser	`#`

◆ ◆ ◆ CHAPTER 1

Known Issues and Workarounds

This chapter includes information about issues with the Sun Update Connection – Enterprise product and workarounds for these issues. Known issues for 1.0.0, 1.0.1, 1.0.2, and 1.0.3 releases are listed in this chapter. If an issue is fixed in a specific release, it is noted. For a list of fixed issues by release, see Chapter 3.

This chapter covers the following issues:

- "General Issues" on page 9
- "Release-Specific Issues" on page 11
- "Support Issues" on page 13
- "Upgrade Issues" on page 13
- "Configuration Issues" on page 16
- "Sun Update Connection – Enterprise Application Issues" on page 17
- "Managed Host Issues" on page 18
- "Documentation Issues" on page 20

General Issues

This section describes issues that you might encounter while using Sun Update Connection – Enterprise software. For issues introduced in a specific release, see "Release-Specific Issues" on page 11.

- "BMI Is Unavailable" on page 10
- "Agent Installation Script Can Fail on All Versions of Solaris (#6482852)" on page 10
- "Missing Agents for RH AS_2.1 and ES_2.1 in Sun Update Connection - Enterprise (#6456194)" on page 10
- ""Internal Query Failed" Message When Running Job on New Installation (#6470383)" on page 10
- "SDS Appears to Download Content That is Already Cached (#6456161)" on page 11
- "Scheduling Recurring Jobs (#6456169)" on page 11
- "Downloading Solaris Components (#6459005)" on page 11
- "S390 Channels and VM Cloning Are Not Supported" on page 11

BMI Is Unavailable

Description: The bare metal installation server (BMI) module is not available.

Workaround: If you are interested in creating and using a BMI server with Sun Update Connection - Enterprise, please contact your Sun Sales representative.

Agent Installation Script Can Fail on All Versions of Solaris (#6482852)

Description: Agent installation fails on Solaris with:

```
./Install: not found
```

Cause: The agent installation script requires the 'bash' shell which is not a standard shell on Solaris.

Workaround: Install the SUNWbash package from your Solaris installation media.

Note – The bash shell is also required to be able to run the agent.

Missing Agents for RH AS_2.1 and ES_2.1 in Sun Update Connection - Enterprise (#6456194)

Description: Sun Update Connection - Enterprise does not provide agents for RH AS_2.1 and ES_2.1.

Workaround: New agents are not available at this time.

"Internal Query Failed" Message When Running Job on New Installation (#6470383)

Description: On a fresh installation of Sun Update Connection - Enterprise, if the first job created uses any policy other than "Ask Me", the user will get an error when running the job: "internal query failed". This problem will also occur when running BMI, which uses pre-defined policy.

Workaround: Create and run a job which uses a policy of "Ask Me". Subsequent jobs will then run without displaying the above error, regardless of the policy they use.

SDS Appears to Download Content That is Already Cached (#6456161)

Description: Sometimes the System Dependency Server appears as if it is downloading content that is already cached and available to the agent.

Workaround: This is a reporting error in the user interface. Content that is available in the cache is not downloaded again.

Scheduling Recurring Jobs (#6456169)

When scheduling a recurring job, you must select the specific day or days when you specify the Day of Week or Day of Month.

Downloading Solaris Components (#6459005)

When you plan to download Solaris components, such as patches, ensure that the following utilities are installed on the SDS machine:

- `/bin/tar`
- `/usr/bin/unzip`
- `/usr/bin/zipinfo`
- `/usr/bin/file`
- `/usr/bin/uncompress`
- `/usr/bin/md5sum`

If any of these utilities are missing, the download of Solaris patches might fail, although the error logs do not always indicate that a missing utility was the cause.

S390 Channels and VM Cloning Are Not Supported

S390 channels and VM cloning are not yet supported in Sun Update Connection – Enterprise or BMI.

Release-Specific Issues

The following issues are release-specific and have been fixed in subsequent releases:

- "1.0.2 – Upgrade to the 1.0.2 Release Might Fail" on page 12
- "1.0.0 – Console Fails to Access the Sun Update Connection – Enterprise Documentation" on page 12

1.0.2 – Upgrade to the 1.0.2 Release Might Fail

Description: If you previously upgraded from Sun Update Connection - Enterprise 1.0 to 1.0.1, upgrading from the 1.0.1 release to the 1.0.2 release can fail.

Note – This issue is fixed in the 1.0.3 release.

Workaround: Remove the directory: /usr/local/uce/engine/db/data and then re-run the 1.0.2 installer.

1.0.0 – Console Fails to Access the Sun Update Connection – Enterprise Documentation

Description: When you select UCE Help from the Help menu, a browser window opens, but it cannot access the Sun Update Connection – Enterprise documentation on docs.sun.com.

```
Error: The requested item could not be found.
```

Note – This issue is fixed in the 1.0.1 release.

Workaround: Update the link to the Sun Update Connection – Enterprise documentation in the `uce.rc` file.

Caution – Do *not* change any other lines in this file!

Follow these steps:

1. Login as superuser on the system where you installed the console.
2. Close the console.
3. Find the `uce.rc` file.
   - **Linux:** `/usr/local/uce/console/bin/uce.rc`
   - **Windows:** `C:\uce_console\bin\uce.rc`
4. Change the `online_PDFs_url` line in `uce.rc`.

   The final part of the referenced URL is incorrect. You must change `11561.1` to `1561.1`.

   When changed, the line should be the following:

```
( all ) ( invisible.gui.__general.online_PDFs_url, "http://docs.sun.com/coll/1561.1" );
```

5. Restart the console to load the change.

```
# uce_console
```

Support Issues

This section describes issues that concern Sun Update Connection – Enterprise support.

Latest Sun Update Connection – Enterprise Knowledge Channels and System Requirements

The knowledge channels available for Sun Update Connection – Enterprise are listed in *Sun Update Connection - Enterprise 1.0 Quick Start Guide: Getting Started*. The latest list can also be found at `http://www.sun.com/service/sunupdate/enterprise/knowledge.html`.

The system requirements for Sun Update Connection – Enterprise components are available in *Sun Update Connection - Enterprise 1.0 Quick Start Guide: Getting Started*. The latest requirements can also be found at `http://www.sun.com/service/sunupdate/enterprise/specs.html`.

Upgrade Issues

This section describes issues that are related to upgrading the product from Sun Aduva OnStage to Sun Update Connection – Enterprise.

Upgrading From Sun Aduva OnStage 439 to Sun Update Connection – Enterprise (#6456170)

Description: Existing channels on Sun Aduva OnStage 439 that do not have any locally registered components require that you perform a post-upgrade check.

Workaround: After you complete the upgrade, do the following:

1. For each channel, check that the following file exists:

`/usr/local/uce/server/public/config_files/`*`distribution`*`/.client_rpms_info.xml`

2. If this file does *not* exist, it *must* be created and should contain the following lines:

```
<?xml version="1.0.2" encoding="UTF-8"?>
<NCO_LIST>
</NCO_LIST>
```

Missing Solaris Packages After an Upgrade From Sun Aduva OnStage 439 to Sun Update Connection – Enterprise (#6456178)

Description: Following an upgrade from Sun Aduva OnStage 439 to Sun Update Connection – Enterprise, Solaris packages might not be available.

Workaround: If the Solaris packages are not available, upload them to the System Dependency Server. For each of the Solaris channels (Solaris 8, Solaris 9, and Solaris 10), do the following:

1. Create a temporary directory for uploading.

   ```
   # mkdir /tmp/files_to_re_upload
   ```

2. Copy the files to your upload directory.

```
# cp /usr/local/uce/server/public/private_blobs/Solaris-channel/*.blob \
/tmp/files_to_re_upload
```

3. Access the file upload page in a web browser.

   Go to `https://`*SDS-hostname*`:8002/upload.html`.

   a. Specify the channel.
   b. Specify the path to the temporary upload directory.
   c. Specify the user name and password to start the upload.
   d. Click Submit.

4. Remove the temporary directory you created for uploading.

   ```
   # rm -rf /tmp/files_to_re_upload
   ```

Missing Credentials After an Upgrade From Sun Aduva OnStage 439 to Sun Update Connection – Enterprise

Description: The credentials you entered to access software directly from a vendor, such as for the Solaris patches, are not saved as part of the backup process.

Workaround: Add these credentials after the upgrade is complete by using the Sun Update Connection – Enterprise Authentication window.

Missing Cached Public Components After an Upgrade From Sun Aduva OnStage 439 to Sun Update Connection – Enterprise

Description: The cached public components that were downloaded with Sun Aduva OnStage are not saved as part of the backup process.

Workaround: Download the cached public components after the upgrade is complete.

Attempts to Install Solaris Packages Fail After an Upgrade From Sun Aduva OnStage 439 to Sun Update Connection - Enterprise (#6464386)

Description: When attempting to install Solaris packages, the package install fails with an error regarding the parameter *CLIENT_BASEDIR*.

Workaround: Do the following:

1. Copy the UCE agent tar ball to the host.
2. Remove the ADVagent package.
3. Unpack the UCE agent tar ball.
4. Install the UCE agent.

Download the cached public components after the upgrade is complete.

Job Logs not Available After Upgrade From Sun Aduva OnStage 439 to Sun Update Connection - Enterprise (#6454745)

Description: After the upgrade, job logs from the previous release are no longer available

Workaround: Backup the logs before the upgrade and restore them after the upgrade.

Before the upgrade: Backup the OnStage agent log directory content located at: /opt/local/aduva/director_agent/log

After the upgrade: Restore the saved data into the UCE agent log directory, located at: /opt/local/uce/agent/log

Configuration Issues

This section describes issues that you might encounter while configuring your Sun Update Connection – Enterprise environment.

Setting the Default Kernel for the Linux Knowledge Channel (#6456009)

Description: If you are using the Linux knowledge channel, you cannot use Sun Update Connection – Enterprise to set the default kernel.

Note – This issue is fixed in the 1.0.2 release.

Workaround: Instead, you must set the default kernel manually.

Enabling Log Rotation in the Sun Update Connection – Enterprise Proxy (#6455904)

To enable log rotation in the Sun Update Connection – Enterprise Proxy, manually install a copy of the `Log_rotation` configuration file on the proxy.

The file is on the server at `/etc/logrotate.d/director_server`.

Local Solaris Patches That are Not Available on SunSolve are Not Included in the Knowledge Base (#6456168)

Local patches that are not available on SunSolve℠ and that are distributed as part of a package are *not* included in the Sun Update Connection – Enterprise knowledge base.

In these cases, the Sun Update Connection – Enterprise agent might not have installed a needed patch given that the (needed) patch it intends to install is obsoleted by an already installed (local) patch.

For example, if PKG-1 installs Patch-Q (local patch not part of knowledge base), Sun Update Connection – Enterprise then recommends Patch-P. However, Patch-Q obsoletes Patch-P. In this case, UCE (correctly) fails to install the obsoleted patch Patch-P.

When using Solaris Baselines, add the obsoleted patch, Patch-P, to the black list.

Cookies are Expired When Downloading Red Hat Components (#6456196)

Description: When you attempt to download Red Hat components from the Red Hat Network, the download fails because the cookies have expired.

You might see this problem when you use other web clients, such as Konqueror.

Cause: This problem occurs when the system clock on your SDS is not set to the current time, but is set forward to a time in the future. Cookies created on your system might be expired.

Workaround: Ensure that the system clock on the SDS machine is set to the current time. The system clock must be set to the current time because it is used for cookie validation.

Sun Update Connection – Enterprise Application Issues

This section describes issues that you might encounter when using Sun Update Connection – Enterprise applications.

CLI Fails to Run (#6456099)

Description: Sometimes the CLI fails to run.

Workaround: Do the following:

1. Log in to the console as the same user that you used to access the CLI.

   The console should indicate that this user is already logged in.
2. Confirm this message and then exit console.

   CLI will now be accessible.

Console Sometimes Hangs (#6456138)

Description: Sometimes the console hangs if open for a long time.

Workaround: Close the console when not is use or close the console occasionally when you use it for a long time.

The system on which you run the console should have at least 1 Gbyte of memory.

Console Can Hang When Preferences Changed (#6464925)

Description: If the console preferences are changed, and then an attempt is made to change them for a second time, the console can hang.

Workaround: Kill the console and restart it.

Job Can Hang When "Remote Hosts" is Used to Upload RPM (#6466850)

Description: If the "Remote Hosts" option is used to upload a file, and the remote host goes offline during the upload, the job remains stuck in the console, even after the remote host restarts.

Workaround: Kill the console and restart it.

Copying Non-Certified Objects Between Channels (#6456000)

If you want to copy Non-Certified Objects (NCOs) between channels, use the scriptable API.

Managed Host Issues

This section describes issues that impact Sun Update Connection – Enterprise managed hosts.

Additional RPMs Need to be Installed to Use BMI on SuSE 9.2 (#6456148)

When using Bare Metal Installation with the Sun Update Connection – Enterprise System Dependency Server on SuSE 9.2, you must download and install the following RPM:

```
ftp://ftp.suse.com/pub/suse/i386/9.2/suse/i586/python-mysql-1.1.1-2.1.i586.rpm
```

Solaris Agent Disconnects and OpenSSL PRNG not seeded Error Occurs

Description: After running a job on a Solaris agent and after performing the reboot job, the Solaris agent becomes disconnected. Also, the following error message appears several times in the debug log on the agent:

```
358:error:24064064:random number generator:SSLEAY_RAND_BYTES:PRNG not
seeded:md_rand.c:512:You need to read the OpenSSL FAQ,
http://www.openssl.org/support/faq.html
```

Cause: This problem is described on the OpenSSL web site at http://www.openssl.org/support/faq.html#USER1.

Workaround: If you are using a Solaris 8 system, add the /dev/urandom and /dev/random devices by installing patch ID 112438 (SPARC®) or patch ID 112439 (x86). These patches are available from Patchfinder at http://sunsolve.sun.com.

The Solaris 9 software includes these devices by default.

To get /dev/random support for earlier Solaris versions, see Sun's statement at http://sunsolve.sun.com/search/document.do?assetkey=1-25-27606-1.

The SUNWski package is available in patch ID 105710.

Agent Uninstall Fails if SDS is Offline (#6460566)

Description: The agent communicates with the SDS when asked to exit. If the SDS is offline or inaccessible, the agent will not be able to be stopped normally and thus cannot be uninstalled.

Workaround: Kill the agent manually if it hangs.

Reboot Notification Flags are Not Set When Host is Marked as Pending Reboot

Description: When a user chooses not to perform an immediate reboot of a host, the Pending Reboot is indicated by the UCE console twice:

1. In the Host progress dialog.

   There is a line on the Host's TODO list saying Remember to reboot
2. In the Inventory window.

   The inventory window displays the host list on the left and the components tree on the right.

As part of the components tree there is a specific root category named `Notifications`. Within this category there are two components: `Reboot` and `Reboot Reconfigure`. These two components are normally marked as (`installed`) when the selected host has 'Pending Reboot'. However, this indication is not working. The (`installed`) indication is not shown.

Workaround: This does not affect the operation of the application.

Documentation Issues

This section describes issues that affect the Sun Update Connection – Enterprise documentation.

◆ ◆ ◆ CHAPTER 2

Upgrading From Sun Aduva OnStage to Sun Update Connection – Enterprise

This chapter covers the process of upgrading a Sun Aduva OnStage 439 installation with the Sun Update Connection – Enterprise 1.0.*x* product.

To upgrade from Version 439 of Sun Aduva OnStage to Sun Update Connection – Enterprise 1.0.*x*, you must upgrade each Sun Aduva OnStage component that you have installed. Each task ensures that the software is upgraded correctly and that all applications continue to function. These tasks also ensure that you have a backup of your Sun Aduva OnStage or Sun Update Connection – Enterprise entities, if needed.

For information about known upgrade issues, see "Upgrade Issues" on page 13.

Note – The upgrade process usually takes between five and ten minutes for each channel. The amount of time depends on the type of system used by the local host and the environment.

Before you begin the upgrade process, you must have a license for the new version. You must also have the relevant license and entitlements for each of the operating systems and distributions that you plan to manage. Place the new Sun Update Connection – Enterprise license file, `license.lic`, in an accessible directory so that you can access it during the upgrade process.

Backing Up and Upgrading From Sun Aduva OnStage to Sun Update Connection – Enterprise

▼ To Back Up Your Existing Sun Aduva OnStage Installation

This procedure will back up the data from the Sun Aduva OnStage installation *except* for the following:

- The credentials you entered to access software directly from a vendor, such as for the Solaris patches

  Add these credentials after the upgrade is complete by using the Sun Update Connection – Enterprise Authentication window.
- The cached public components that were downloaded with Sun Aduva OnStage

  Download the cached public components after the upgrade is complete.

To perform the upgrade from Sun Aduva OnStage 439 to Sun Update Connection – Enterprise 1.0.*x*, see "To Upgrade From Sun Aduva OnStage to Sun Update Connection – Enterprise" on page 24.

1 Log in as superuser on your Sun Update Connection – Enterprise system dependency server.

2 Back up the Sun Aduva OnStage product.

The script is a `tar` file of your existing Sun Aduva OnStage installation.

```
# cd /usr/local/aduva/install
# ./backup.sh
```

The `backup.sh` script performs the following steps:

- Stops the Sun Aduva OnStage services.
- Verifies that the local system is the SDS.
- Saves the data in the following directories and files under backup names:
  - `/usr/local/aduva/director_server/public/*` – Universal rules and components
  - `/usr/local/aduva/director_server/private/*` – Local rules and components
  - `/usr/local/aduva/director_engine/*/bin` – Settings files and encryption keys
  - `/usr/local/aduva/install/*` – Application installers, restore scripts, and support scripts

  The databases are backed up.

  All backup files created by the script are stored in one archive and saved in `/usr/local/OnStage_backup/backup-`*yyyy-mm-dd-hh-mm*`.tar.gz`.

Save a copy of this archive file for possible future use.

3 Check the names of the categories that you created under Local.

Make sure that all names are unique.

For example, say that you use the following categories:

- `Local/Configuration files/test`
- `Local/Macros/test`
- `Local/Probes/test`
- `Local/Post-Actions/test`
- `Local/Pre-Actions/test`

Change the test categories to the following:

- `test_files`
- `test_macros`
- `test_probes`
- `test_postactions`
- `test_preactions`

4 Complete the following checklist for jobs in the Status window:

a. Decide whether to stop any incomplete jobs or to run any incomplete jobs to completion.

b. For running running jobs that have a schedule, ensure that the next time it is scheduled to run is after the upgrade completes.

c. Make sure that idle scheduled jobs are set to next run after the upgrade.

d. Stop the jobs that are waiting for offline hosts.

e. Run remaining active jobs to completion.

5 Complete the following checklist for the Consoles, APIs, CLIs and Agents:

a. Exit all the Consoles.

b. If a host is running the CLI or API commands, wait for the job to complete.

c. Check that the Agent application on the managed hosts is not busy with any task.

d. Check that the Agent application on the managed hosts is up and running.

6 Verify that you have no running jobs before you start the upgrade.

See the jobs listed in Step 4.

▼ To Upgrade From Sun Aduva OnStage to Sun Update Connection – Enterprise

This procedure describes how to upgrade your Sun Aduva OnStage 439 installation to Sun Update Connection – Enterprise 1.0.*x*.

For information about known upgrade issues, see "Upgrade Issues" on page 13.

1 Become superuser.

2 Upgrade the system dependency server (SDS).

a. Download the Sun Update Connection – Enterprise 1.0.*x* `tar` bundle, extract it to a temporary directory, and execute the `./ezInstall` script.

The `./ezInstall` script starts the installation program.

b. Follow the onscreen prompts to install the Sun Update Connection – Enterprise 1.0.*x* software.

c. Back up your data.

The following message appears:

```
Older version of Sun Aduva OnStage or Sun Update Connection Enterprise detected on your system.
It is advised you backup your data before you continue. Would you like to continue now?
```

Select Yes and then press Enter to continue.

d. Specify the full path name of the license file.

e. Provide information to complete the upgrade.

The `ezInstall` script completes the upgrade as follows:

- Checks your connection to the SDS and configures ports.
- Upgrades the SDS.
- Upgrades the knowledge base and the dependency manager.
- Prepares files for the installation of the agents, the console, the CLI, and the proxy SDS.

When the upgrade process completes, the following message appears:

```
Upgrade to Sun Update Connection Enterprise was successful.
There are Sun Aduva OnStage directories that are no longer in use.
Please remove them, once you have removed your private data from the following directories:
    /usr/local/aduva
    /etc/director_server
    /var/log/director_server
```

Press Enter to exit the `ezInstall` script.

3 Upgrade the console, the CLI, and the proxy SDS.

a. Copy the `console-`*mmdd*`.tar.gz` **file to the console system.**

- Expand the contents of the console `tar` file.

  ```
  # tar xPfzv console-mmdd.tar.gz
  ```

- The `uce_console` directory is created.
- Start the console installer program.

  ```
  # ./uce_console/Install
  ```

  Use `-i` flag to run the non-graphical, non-interactive installation, which is faster.

The console upgrade is installed.

b. (Optional) Repeat this procedure to install the CLI.

The CLI `tar` file is called `cli-`*mmdd*`.tar.gz`.

c. (Optional) Repeat this procedure to install the proxy SDS.

The proxy SDS `tar` file is called `proxy-`*mmdd*`.tar.gz`.

d. Start the new console by typing the `uce_console` **command.**

4 Upgrade the agent on a Linux system.

Perform the following steps for each Linux distribution.

a. In the Hosts section of the Console, select a distribution.

b. In the Components List, right-click Local/Local RPMs and choose Add from the Local menu.

The Add Software window opens.

c. Browse to the Agent RPM, `UCE_-`*version*`-`*release*`/rpms/sun-uce-agent*.rpm`**.**

d. For the selected distribution, select the file that applies to the platform of the hosts.

Select one of the following platforms:

- `.i386.rpm`
- `.ia64.rpm`
- `.ppc.rpm`
- `.s390.rpm`

e. Click Apply.

Wait until each of the RPMs have been successfully uploaded to the local knowledge base.

f. Close the Add Software window.

The Agent RPM is added to the knowledge base, but it is not visible in the Components list.

g. Log out of the Console.

h. Restart the Console in upgrade mode.

```
# uce_console -update_director_mode true
```

The login window opens.

i. Log in as the `admin` user.

The Update window opens.

j. Update the agents for each Linux distribution.

i. **From the Hosts list, select hosts of a single distribution.**

ii. **From the Distro drop-down list, select the distribution of the selected hosts.**

iii. **From the Components list, select the version of the Agent that matches the updated SDS.**

iv. **Click Install.**

The Installing window opens and shows the status of the installations.

Wait until the status icon in the Installed column is a checkmark in a green circle. This process might take several minutes for each Agent.

v. **Repeat these steps for each active Linux distribution.**

k. When you have upgraded each of the agents, close the Console.

l. Start the Console in standard mode, `uce_console`.

m. Check that all Agents are up and listed as connected in the Hosts list.

n. Back up the new Sun Update Connection – Enterprise data.

```
# ./backup.sh in /usr/local/uce/install
```

o. Save the backup files for both the previous version and the latest version in a safe place.

5 Upgrade the agent on a Solaris system.

Perform the following steps for each Solaris version.

a. Copy the agent `tar` file to the managed node.

b. Remove the agent from the managed node.

```
# pkgrm ADVagent
```

c. Expand the contents of the agent `tar` file.

d. Change to the `uce_agent` directory.

```
# cd uce_agent
```

e. Install the Solaris agent.

```
# ./Install
```

◆ ◆ ◆ CHAPTER 3

Issues Fixed and New Functionality

This chapter includes information about issues fixed and new features found in the Sun Update Connection - Enterprise, release 1.0.1, 1.0.2, and 1.0.3.

- "Issues Fixed in the 1.0.3 Release" on page 29
- "Issues Fixed in the 1.0.2 Release" on page 30
- "Issues Fixed in the 1.0.1 Release" on page 31
- "New Functionality in the 1.0.1 Release" on page 31

Issues Fixed in the 1.0.3 Release

The following issues are fixed in the 1.0.3 release:

6478514	Agent core dumps
6487546	Limit agent's core dump size
6476975	Agent uses too much memory
6478091	In any task failure in single user mode There should be a reboot+reconfigure // just in case
6478337	In any case have Reboot+reconfigure in single user mode.
6485567	Double reboot - in single user mode
6476869	Deploy a profile with baselines + post actions
6468073	UCE 1.0 upload.html never attached components
6484752	Agent core dumps after dowload fails
6487541	Incorrect messages in log file if download fails
6487716	Postgres optimisations lost during upgrade from UCE 1.0.1
6488794	Seeker failure should be reported

6488762	Inventory is NOT sent to console
6487543	Osiris table had bad query
6480552	No rules with huge vtree
6485365	Upgrade from 1.0.0 to 1.0.2 causing later upgrade to 1.0.3 to fail
6488733	Old osiris table
6489768	Postgres env problem
6490125	Postgres table create failure
6488762	Get hosts inventory in chunks of (50) failed for a customer because of msg size limit in comm_system
6487760	BMI tar ball packaging
6488178	File descriptor leakage
6490127	No error message reported if downloaded blob is zero size
6489367	Failed to add Solaris x86 agent package

Issues Fixed in the 1.0.2 Release

The following issues are fixed in the 1.0.2 release:

6456009	Setting the default kernel for the Linux knowledge channel
6449	Some of the Contextual Online Help is Displayed Incorrectly (#6449)
6463826	Legacy license file (license.pdf) still in customer build
6470485	Console on-line help is invalid
6475328	Upgrade fails (can't login to console) if reporting has been used
6478514	Agent core dumps if bad data is written to its listener port
6478116	Engine installation fails on mainframe Linux
6478241	Editing the kickstart file for Solaris provisioning causes the creation of the wrong password.
6478511	Profile sent from BMI created an invalid policy
6456012	Problem with BMI URLs on sles8 and suse 9.0
6456037	BMI chooses wrong inetboot for Solaris

Issues Fixed in the 1.0.1 Release

The following issues are fixed in the 1.0.1 release:

3976	Hosts belonging to deleted task are "remembered" when a new task is created
5642	Jobs should be executed in order of their priority
6461	BMI for Solaris x86 does not work
6519	Issues with VM Cloning
6424709	Cannot download any rpm on Itanium machines
6427151	Solaris 10 SPARC agent core dumps when downloading the SUNWfreeware packages
6456095	Failed to install BMI plugin pkg on RH AS3 64bits on AMD64
6456189	The default for the "Deploy not standard patches " should be set to false by default
6456193	Online help files are not available from Help-->UCE_Help
6456694	Solaris agent fails in single-user mode if /opt is not in the root partition
6470485	Console Fails to Access the Sun Update Connection – Enterprise Documentation

New Functionality in the 1.0.1 Release

The following new functionality is in Sun Update Connection - Enterprise 1.0.1:

- "Replacement of MySQL Database Server with PostgreSQL" on page 31
- "Enhancements to Solaris Patch Handling" on page 32

Replacement of MySQL Database Server with PostgreSQL

Sun Update Connection - Enterprise 1.0.1 replaces the MySQL database server in the SDS with a PostgreSQL database server. Every effort has been made to make the administration and operation of the PostgreSQL database server transparent to users.

The upgrade process from Aduva OnStage 439 or Sun Update Connection - Enterprise 1.0.1 will automatically migrate existing data from the MySQL database to the new PostgreSQL database instance.

Enhancements to Solaris Patch Handling

Patches that are bundled with a Solaris package, and are NOT available through Sunsolve used to be ignored by the agent seeking mechanism.

This caused:

- Failures in the patchadd/patchrm execution as these patches are invisible to the agent resolve - but not invisible to the patchadd/patchrm command dependency checks.
- Wrong incident reports

The new release of Sun Update Connection - Enterprise introduces an optimization in this area, such that whenever a patch, which is unknown to the application, is detected as installed, the agent tries to mark the closest patch (with a lower revision in the vtree) as implicitly installed. In this case at least the obsoleted revisions will be marked correctly and the resolve/reports will generate the correct results.