

Oracle® Secure Backup

Readme

Release 10.1

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Purpose of this Readme

This Readme file is relevant only to Oracle Secure Backup release 10.1. This Readme documents supported platforms and devices as well as known issues.

Documentation

For documentation, use your Web browser to access the Oracle Secure Backup documentation library. The library home page is named `index.htm` and is located in the `doc` directory of your CD-ROM image. You can also access the library online at the following URL:

<http://www.oracle.com/technology/documentation/>

Contents

[Section 1, "CD-ROM Image Contents"](#)

[Section 2, "Release Components"](#)

[Section 3, "Licensing Information"](#)

[Section 4, "Bugs and Known Issues"](#)

[Section 5, "Supported Tape Devices and Platforms"](#)

[Section 6, "AIX Device Identification"](#)

[Section 7, "Documentation Correction and Addition"](#)

[Section 8, "Documentation Accessibility"](#)

1 CD-ROM Image Contents

The CD-ROM image contains all necessary tools, documentation, and software to install and operate Oracle Secure Backup on the supported platforms. You can access the image from a physical CD-ROM or through a Zip file downloaded from the following product site:

<http://www.oracle.com/technology/products/secure-backup/>

The images in the CD-ROM and Zip file are identical.

2 Release Components

The only product in this release is Oracle Secure Backup.

3 Licensing Information

Refer to *Oracle Secure Backup Licensing Information* for licensing terms.

4 Bugs and Known Issues

The following sections describe bugs and known issues with Oracle Secure Backup.

4.1 Including Oracle Secure Backup in Enterprise Manager Maintenance Page

On a Linux host running Enterprise Manager Database Control or Enterprise Manager Grid Control, support for managing Oracle Secure Backup is not included until you apply the first Oracle Database 10g release 2 patch set.

Also, in releases 10.2.0.1 and 10.2.0.2 of Enterprise Manager Grid Control and release 10.2.0.2 of Enterprise Manager Database Control, the Oracle Secure Backup section of the Maintenance page is not displayed by default.

Follow the steps in the section "Using Enterprise Manager" in the "Getting Started" chapter of *Oracle Secure Backup Administrator's Guide* to configure Enterprise Manager to include the Oracle Secure Backup section in the Maintenance page.

4.2 Time Synchronization and "failed to validate certificate" Errors

The clocks on the administrative server, the clients and the media servers must be synchronized to within 60 minutes of each other. If the time skew among hosts in the administrative domain is more than 60 minutes, then you might encounter problems when attempting to issue the `mkhost` command to configure new hosts. The error that appears in the `observed.log` file on the client or media server is "failed to validate certificate".

The solution is to synchronize the clocks on all hosts in the administrative domain to match the clock on the administrative server and then retry the failed operation.

4.3 Cannot Edit RMAN-DEFAULT Media Family in Enterprise Manager

You cannot edit the `RMAN-DEFAULT` media family when using Enterprise Manager 10.2.0.2 or earlier. Use the Oracle Secure Backup Web tool or `obtool` to edit the `RMAN-DEFAULT` media family.

4.4 Tape Device Debug Logging Can Cause Backup Failures

Tape device-related debug logging should be enabled only under the direction of Oracle Support. Enabling tape device-related debug logging outside the instructions of a support representative can cause backup failures.

4.5 Installing SCSI Generic Driver on Linux

Configuring a Linux host for the Oracle Secure Backup media server role requires that the SCSI Generic driver be installed on that host. The host must also be configured to automatically reload the driver after a restart.

Kernel modules are usually loaded directly by the facility that requires them, if the correct settings are present in the `/etc/modprobe.conf` file. However, it is sometimes necessary to explicitly force the loading of a module at start time.

For example, on RedHat Enterprise Linux, the module for the SCSI Generic driver is named `sg`. Red Hat Enterprise Linux checks for the existence of the `/etc/rc.modules` file at start time, which contains various commands to load modules.

Note: The `rc.modules` should be used, and not `rc.local`, because `rc.modules` runs earlier in the start process.

You can use the following commands to add the `sg` module to the list of modules configured to load as `root` at start time:

```
# echo modprobe sg >> /etc/rc.modules
# chmod +x /etc/rc.modules
```

4.6 Securecomms Security Policy and obtool on Windows

On Windows platforms, if the `securecomms` security policy is enabled (the default setting), then you must be logged in as Administrator (or your logged-in account must belong to the Administrators group) in order to run the Oracle Secure Backup `obtool` command line tool.

4.7 Restart Windows Media Servers and Clients When Changing Policy Parameters

Oracle Secure Backup clients and media servers running on Windows platforms are not automatically updated when changes are made to certain policy parameters. The parameters affected are:

- `rmanresourcewaittime`
- `rmanrestorestartdelay`
- `securecomms`

After making changes to any of these parameters, you must stop and restart the `observed` service on each Windows client and media server in Services. (To access Services, click **Start**, and then select **Programs > Administrative Tools > Services**.)

4.8 Oracle Secure Backup Driver CPU Usage (Win2K)

If there are no media devices attached to a Windows 2000 host, then do not configure that host for the media server role.

If you configure the media server role on a Windows 2000 host with no attached media devices, then the operating system tries continuously to load the Oracle Secure Backup driver. Continuously trying to load the driver uses most of the available CPU cycles on that system and renders the system unusable.

4.9 Restriction on Number of Hosts and Tape Drives with Windows Administrative Servers

If you use a Windows host as an Oracle Secure Backup administrative server, then there is a resource limitation that determines the maximum number of hosts and tape drives that you can include in the administrative domain. The limitation is as follows, where H is the number of hosts in your administrative domain and T is the number of tape drives (standalone or in tape libraries):

$$H + (4 * T) < 40$$

If you configure an Oracle Secure Backup administrative domain on Windows that exceeds this limit and run multiple simultaneous backup or restore jobs, then in some cases jobs might hang waiting for resources. When this condition arises, you see the following error message in the `observed` log file:

```
reached maximum Windows event limit (FSP event manager)
```

To resolve the problem, stop the hung backup or restore jobs and let the others run to completion. Then restart the hung jobs and allow them to run.

4.10 Interaction of Windows Firewall with Oracle Secure Backup (Windows XP)

The default configuration of the Windows Firewall in Windows XP can block ports used by Windows hosts running Oracle Secure Backup. This can prevent Windows hosts from connecting to other hosts in the administrative domain.

Instructions for configuring the Windows Firewall to not interfere with Oracle Secure Backup are contained in the *Oracle Secure Backup Installation Guide*.

4.11 Use Only Lower-Case Letters in Host Names on Windows Administrative Servers

If you use a Windows host as an Oracle Secure Backup administrative server, then host names cannot contain upper-case characters. An `invalid name` error results when upper-case letters are used in host names with Windows as the administrative server. This limitation does not apply with Linux or Solaris as the administrative server.

4.12 Unsupported Products

In this release, an AIX or HP-UX media server supports SCSI attached devices only. Fibre Channel devices can be attached to other Oracle Secure Backup supported platforms.

5 Supported Tape Devices and Platforms

Supported platforms, Web browsers and NAS are listed on *Certify on OracleMetalink* at the following URL:

<http://metalink.oracle.com/>

Tape device matrixes are available at the following URL:

<http://www.oracle.com/technology/products/secure-backup/>

6 AIX Device Identification

Before you configure devices within Oracle Secure Backup, you must obtain the following identifying information about how they are attached to the host (media server):

- SCSI bus number
- Target ID
- Logical Unit Number (LUN)

If the devices are directly attached to an AIX host, then this information might not be readily available for all SCSI attached devices using standard operating system commands. To assist with gathering device information in AIX environments, a standalone tool (`obscan`) has been included on the CD. The `obscan` executable can be found in the `cdtools` directory of the CD or CD image.

You must have operating system privilege to access devices, which is often root access, to run `obscan`. The syntax for `obscan` is as follows, where `device_filename` is the special device file name of the SCSI adapter you want to scan:

```
obscan device_filename
```

Run `obscan` for each SCSI adapter with tape devices to be used by Oracle Secure Backup. In the following example, `obscan` gathers information about the tape devices connected to the SCSI bus (adapter) identified by the special device file `/dev/scsi2`:

```
obscan /dev/scsi2
```

```
obscan version 10.0.0.0 (AIX)
Copyright (c) 2007, Oracle. All rights reserved.
```

```
DEVICE information for /dev/scsi2
```

```
Target-id : 1, Lun : 0   Vendor   : ADIC       Product  : FastStor 2
Target-id : 2, Lun : 0   Vendor   : HP        Product  : Ultrium 2-SCSI
```

```
Total count of Media Changers and/or Tape devices found : 2
```

Note: The `obscan` tool is not included as part of the Oracle Secure Backup installation. It is provided as an optional tool for device identification in AIX environments.

7 Documentation Correction and Addition

This section contains additions to the Oracle Secure Backup Administrator's Guide.

If your administrative host runs HP-UX PA-RISC (64-Bit), then the `nobody` user and group might not be able to access shared memory. To avoid this issue, complete the following steps:

1. In the `apache/conf/httpd.conf` file, edit the User and Group sections for the Web server.

2. Change user *nobody* to user *john* where *john* is an alternate username and *nogroup* to *svrtech* where *svrtech* is an alternate user group.
3. Start `obhttpd`.
4. Check `apache/logs/error_log` for errors.

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Oracle Secure Backup Readme, Release 10.1
B25050-07

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