Oracle® Secure Backup

Readme

Release 12.1

E16566-07

December 2016

CD-ROM Image Contents

The CD-ROM image for each platform contains all necessary tools, documentation, and software to install and operate Oracle Secure Backup on the selected platform.

> **Note:**
>
> Each supported platform requires its own separate CD-ROM or installation Zip file.

You can access the installation files from a physical CD-ROM or through a Zip file downloaded from the following product site:

https://edelivery.oracle.com/

Release Components

The only product in this release is Oracle Secure Backup.

Licensing Information

The Oracle Secure Backup 12.1 licensing requires that the number of concurrent jobs defined for each disk pool must be licensed. The user must define the number of concurrent jobs when configuring the disk pool. The default value of for the number of concurrent jobs is 25.

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

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Supported Tape Devices and Platforms

Supported platforms, web browsers and NAS devices are listed on Certify on My Oracle Support (formerly Oracle*MetaLink*), at the following URL:

http://support.oracle.com/

Tape drive and library matrixes are available at the following URL:

http://www.oracle.com/technetwork/database/database-technologies/secure-backup/learnmore/index.html

Upgrading to Oracle Secure Backup Release 12.1

Oracle Secure Backup 12.1 is backward compatible with Oracle Secure Backup 10.4.0.3 or 10.4.0.3.1 clients only. Oracle Secure Backup 12.1 supports Oracle Secure Backup 10.4.0.3 features and is interoperable with its functionality. All media servers must be at the Oracle Secure Backup 12.1 version level. Access to any new commands and options introduced in Oracle Secure Backup 12.1 are not supported from a 10.4.0.3 client. The new commands must be accessed from a Oracle Secure Backup 12.1 host or via the Oracle Secure Backup WebTool. A database backup to disk from an Oracle Secure Backup client 10.4.0.3 is not supported. That backup is restricted to tape.

Similarly, you can only upgrade Oracle Secure Backup 10.4.0.3 to Oracle Secure Backup 12.1. If you are using an earlier version, then you must upgrade to Oracle Secure Backup 10.4.0.3 prior to upgrading to Oracle Secure Backup 12.1.

If you are using Oracle Secure Backup 10.4.0.4, you must manually change the client version at /etc/obconfig to 10.4.0.3.0 and then run the 12.1 installer to upgrade to Oracle Secure Backup 12.1.

See Also:

- *Oracle Secure Backup Installation and Configuration Guide* for more information on Client Backward Compatibility

- *Oracle Secure Backup Installation and Configuration Guide* for more information on how to upgrade Oracle Secure Backup 10.4.0.3 to Oracle Secure Backup 12.1

- http://docs.oracle.com/cd/E26569_01/doc.104/e21481/toc.htm#CBBJCADC for more information on upgrading to Oracle Secure Backup 10.4.0.3

ReadMe Information for Oracle Secure Backup 12.1.0.1

This information in this section applies only to Oracle Secure Backup 12.1.0.1.

This topic contains the following topics:

- New Features in Oracle Secure Backup 12.1.0.1 (page 3)

- Bugs Fixed in Oracle Secure Backup 12.1.0.1 (page 4)

- Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.1 (page 7)

New Features for Release 12.1.0.1

This section lists the new features in Oracle Secure Backup 12.1.0.1

This section contains the following topics:

Disk Backup and Restore

Oracle Secure Backup provides integrated disk backup and restore capabilities. You can use disk as a backup target or a restore source for file-system, Oracle Database and MySQL backup operations. Storing backups on disk provides improved performance for Oracle Database and file-system backup and restore operations.

Disk backup provides a new copy backup image instance feature which allows you copy a backup image to tape or disk. This feature allows you to migrate a backup image instance from disk to tape. It allows you to create multiple copies of the same backup image and the capability of each copy being managed by its own distinct media family. This feature is allows you to consolidate backup image instances from an existing tape on to a new tape.

Automatic Device Discovery

Oracle Secure Backup simplifies the process of configuring devices by providing a single command that discovers and configures devices that are attached to media servers. This includes NDMP filers and media servers that run Oracle Secure Backup software.

Backup Catalog Enhancements

Oracle Secure Backup enables you to search for multiple backup entries while browsing the backup catalog. You can use Oracle Secure Backup wildcard pattern matching while providing required backup details. Wildcard pattern matching uses a set of character patterns to search for related backups without providing elaborate information.

Restore Enhancements

Oracle Secure Backup enables you to restore multiple backup entries using wildcard pattern matching. Wildcard pattern matching uses a set of character patterns to search for related backups without providing elaborate information.

Catalog on Tape

Oracle Secure Backup 12.1 enhances the process of importing the catalog data of a volume from another domain. In a single catalog operation you can import the catalog data of a full volume set that contains file system backups, Oracle Database backups, or NDMP filer backups.

Password Management

Oracle Secure Backup 12.1 improves the security strength of Oracle Secure backup user passwords by providing password management policies that control the password's lifetime, reuse, and length.

Password lifetime determines the duration of validity of a password, in number of days. Password grace time determines the duration for which a user can continue using a password after its lifetime expires. Password reuse time specifies the duration after which a user can reuse an old Oracle Secure Backup password.

The option to force a password change has also been introduced.

Extended Attribute Backup and Restore for Linux and Unix System

Oracle Secure Backup 12.1 now supports the backup and recovery of extended attributes and access control list for file system on UNIX platforms.

In some cases, earlier Oracle Secure Backup domains cannot read backup images containing extended attributes. In such scenarios, Oracle Secure Backup gives you the option to perform the backup without saving the associated extended attributes and access control lists.

Volume Status

Oracle Secure Backup 12.1 supports a volume status for each individual volume. A volume's status can be usable (default), read only, or out of service. Only a volume that is marked as usable will be considered during the backup volume selection process. A volume marked as read only or out of service will not be considered for any tape write operation.

Bugs Fixed in Oracle Secure Backup 12.1.0.1

This section lists the bugs that have been fixed in Oracle Secure Backup 12.1. 0.1

Table 1-1   Oracle Secure Backup 12.1.0.1 Fixed Bugs

Oracle Secure Backup 12.1.0.1 Fixed Bugs	
Bug Number	**Subject**
19636657	UPGRADE ORACLE SECURE BACKUP TO LATEST VERSIONS OF APACHE AND OPENSSL
19265209	BACKUP USING MULTIPLE PATHS IN DS CREATES MULTIPLE ENTRIES IN CATALOG
19001280	ER: NEED TO ENABLE DEBUG_ME MACRO UNDER QTL_FIND_VOLUME_OLD
18884913	VFYLIBS INTERMITTENTLY DETECTS TRAILING GARBAGE CHARACTERS IN THE LTO4 SAS DRIVE

Table 1-1   (Cont.) Oracle Secure Backup 12.1.0.1 Fixed Bugs

Bug Number	Subject
18748553	BACKUPS TO STAND ALONE DEVICES PREVENTS APPENDING
18714083	UNLABELV DO NOT CLEAR HEADER EVEN AFTER USING FORCE OPTION
18704687	JOB SHOULD FAIL AFTER HAVING A DEVICE BUSY ERROR
18675897	FAILURE OF NDMP CHECKPOINT RECOVERY OR RESTARTABLE NDMP BACKUPS
18644417	LOCATION DETAILS NOT UPDATED FOR LIBRARY WHEN CONFIGURED THROUGH MKDEV
18506622	HOST BASED PASSPHRASE RESTORE: ENTERING PASSPHRASE CAN CAUSE RESTORE TO FAIL
18489354	MEDIA MOVEMENT JOB ON STANADLONE TAPE DRIVE FAILS WITH "ERROR: QLM__OPEN FAILED"
18432941	SOCKET CREATION FAILS DURING RDS/RDMA CONNECTION ESTABLISHMENT BETWEEN ADMIN/MS
18401974	NEED OBTOOL COMMAND TO IMPORT RMAN BACKUPPIECE FROM TAPE
18385954	HANG IN RDS/RDMA - OSB 10.4.0.3.1 RESTORE HANG
18349417	JOB UNABLE TO USE DEVICE - TOO MANY OPEN HANDLES ERROR IN SCHEDULER LOG
18335104	PREVENTIVE FIX FOR NOT OVERWRITE FROM BOT IF RW MODE IS QDV__OVERWRITE_HERE_M
18321680	IB INTERFACE PNI SELECTION HAPPENS ONLY WHEN PNI IS SET FOR MOVER AND DATASRVC
18036402	OBNDMPD NEEDS TO BE ABLE TO PROVIDE LOW LEVEL DEBUG OUTPUT DOWN TO CDB LEVEL
17957225	OFFLINE ATTACH POINT GETTING PICKED WHEN OPENING LIBRARY
17782708	INCREMENTAL DATAFILE BACKUP SET RESTORE (OSB, SBT) HANGS
17652407	STACK TRACE BACK OPTION REQUIRED ON OSB
17652083	ORACLE PARENT JOB SHOULDN'T BE DISPATCHED TO RUN ON MEDIA SERVER
17558994	PASS NDMP ENV VARIABLE THRU DATASET
17454577	RMAN PIECE RESTORE FAILS WITH "ERROR: COULD NOT ATTACH TO SBT SHARED MEMORY"

Table 1-1   (Cont.) Oracle Secure Backup 12.1.0.1 Fixed Bugs

Bug Number	Subject
17361371	OSB NOT SEARCHING FOR ANOTHER USABLE SLOT. PICKING UP SAME MEDIA
17354051	RDMA NOT SELECTED WHEN PNI AS IB INTERFACE IS CONFIGURED. OSB USES RDS
17326952	JOB EXITING WITH STATUS 138, MAKING OBTAR TO CORE
17252456	BIGBH:OSB VERSION REPORT ERROR AFTER UPGRADE TO OSB 10.4.0.3.0
17017158	OSB - MEDIA BARCODE AL0019, MEDIA LABEL SHOWS BARCODE AL0017
16996157	OSB REPORTS NDMP REMOTE TAPE WITH MULTIPLE DATASET RESTORE REACH END OF TAPE
16929708	BACKUP KEEPS GOING IN LOOP AND NEVER COMES OUT
16872289	BACKUP OPERATION USES VOLUME WITHOUT BARCODE EVEN IF MEDIA/BARCODESREQUIRED YES
16863112	BARCODE LABEL (DUPLICATE BARCODE) CORRUPTION
16757577	ALL ATTACH POINTS BEYOND THE FIRST ARE IGNORED EVEN WHEN 1ST HOST IS OUT OF SVC
16689000	OSB ROBOT IS HANGING AND NO JOBS ARE MOVING
16597934	VFYLIB IS IGNORING LIBRARY ARG
16444130	REL7-ST2:SPARC:FABR: DIRECTORIES NAMED "FILES" ARE NOT BACKED UP UNDER BI
16436462	UNABLE TO USE AN ACSLS DRIVEN CAP IN A SL8500 LIBRARY
16264272	INCOMPLETE/BAD FILE MARKER, TAPE CLOSE CAUSING EOM GOING BACK TO BOT SILENTLY
16095737	AUTOMOUNTER UNLOADS AND RELOADS THE SAME TAPE AFTER MOUNT FAILS
14306027	RMVOL CONFUSION WHEN MULTIPLE VOLUMES SPECIFIED
14136914	PROVIDE --INCLUDES FOR LSVOL BY TAPE/VOLUME ID
12534836	POSITIONQUERYFREQUENCY SHOULD BE RENAMED
9989809	FAILED TO CREATE SEQUENTIAL FILE A FILE NAME ALREADY EXISTS IN OSB
9955877	SCHEDULER SHOULD IGNORE "VOLUME NOT FOUND IN LIBRARY" ERRORS FOR VAULTING JOBS

Table 1-1   (Cont.) Oracle Secure Backup 12.1.0.1 Fixed Bugs

Bug Number	Subject
9921251	ACSLS LOADS WRITE PROTECTED TAPES
9071034	MORE VERBOSE OUTPUT FOR RESTORES
8866305	OSB - NEED ABILITY TO BACKUP / RESTORE ACLS ON SOLARIS (PARTICULARLY ZFS FILES)
8350968	OSB NT MS/CLIENT UNINSTALL SHOULD OFFER OPTION TO KEEP/ DELETE DB DIRECTORY
7581909	SHOULDN'T BE ABLE TO ENTER NON-EXISTANT CALENDAR DATES
7494240	IMPORT AND CATALOG NDMP BACKUPS INTO ANOTHER OSB DOMAIN
6486165	DUPLICATION AT BACKUP IMAGE LEVEL INSTEAD OF TAPE LEVEL

Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.1

This section discusses Oracle Secure Backup release 12.1.0.1 outstanding bugs and known issues.

Table 1-2   Oracle Secure Backup 12.1.0.1 Open issues

Oracle Secure Backup 12.1.0.1 Open issues	
Associated Bug Number	Issue
18161417	Catalog Import of Pre-12 Tape Not Supported
18095423	MAXBLOCKINGFACTOR Set in Policy Supersedes MBF Set on Drive
18143673	CPINSTANCE Job Fails to Create Instance From Duplicate Volume
17753203	Upgrade Using a Different OSB_HOME Doesn't Work
18549764	CATALOG: Unable to Catalog Duplicated Volume in another Domain
18788887	Instance Job Fails When Source Volume is of Higher Block Size than Target Volume
18456068	Copy Instance Job Reports End of Tape When Using Filer Attached Device For Database Backup
18966915	Volume Label Data Missing from Copy Job
19484198	Win64 Uninstall Problem, Error: Can't Remove (*nix Client) Indices.cur File

Table 1-2   (Cont.) Oracle Secure Backup 12.1.0.1 Open issues

Associated Bug Number	Issue
19375600	Attempt at a Post Upgrade(10.4->12.1)Restore Can't Find Tape That is in a Drive
19816010	Backslash \ in Win64 Dataset File Not Interpreted Properly in WebTool GUI
18902560	Oracle Secure Backup WebTool does not Support DISCOVERDEV Interactive Mode on Windows
19319641	Discrepancy Between LSJ Output and Job Transcript Output For the Restore Job
19489648	Backup to a Disk Pool Job is not Canceled after Replying QUIT to a Disk Full Prompt
19315728	LSBI and LSBK Do Not Report Expiration For Instance Written To Tape Volume
19834759	WebTool GUI - Restore Doesn't Work After Using FIND to Find a File
19951942	ZFS Storage Appliance is not Supported as a Media Server
19422017	Limitation on the Number of Active Jobs

Catalog Import of Pre-12 Tape Not Supported

The new `catalog` command does not support volumes that were written by earlier versions of Oracle Secure Backup. The catalog job will improperly request assistance from the user to load another volume.

Workaround: Quit the catalog job and catalog the archives on the tape with the pre 12.1 manual method that uses `obtar -tG` to catalog the archives on the tape.

MAXBLOCKINGFACTOR Set in Policy Supersedes MBF Set on Drive

The max blocking factor set in global policy is given priority over the max blocking factor set on drive during volume selection for backup.

Workaround: Set the policy level max blocking factor to equal or higher than highest max blocking factor on a device.

CPINSTANCE Job Fails to Create Instance From Duplicate Volume

The `cpinstance` command can not use a duplicate volume as the source container. The copy instance job will fail with the error that the job requires the original volume. There is no work around for this issue. The original volume must be available to be used by the copy instance job. The user can still create an duplicate of the volume by using `obtool dupvol`.

Upgrade Using a Different OSB_HOME Doesn't Work

Upgrade from Oracle Secure Backup 10.4.0.3 to Oracle Secure Backup 12.1 can not use a different Oracle Secure Backup home location.

CATALOG: Unable to Catalog Duplicated Volume in another Domain

The new `catalog` command will fail to catalog a duplicated volume in a new domain. The `catalog` command requires the original volume.

Workaround: Use the original volume or manually catalogue the volume with `obtar -tG`.

Instance Job Fails When Source Volume is of Higher Block Size than Target Volume

This issue occurs when copying a backup image instance from a tape volume to another tape volume. If the source tape was written with a larger blocking factor than the destination tape then the copy instance job will record a block size error and the job will go into a pending for resource try-able state.

Workaround: Cancel the job and use an unlabeled volume for the copy instance job.

Copy Instance Job Reports End of Tape When Using Filer Attached Device For Database Backup

The copy instance job will go into a pending for resources state when the source volume is in a tape device that is attached to a NDMP filer. This issue occurs only when copying a database backup image.

Workaround: Use a tape device that is attached to an Oracle Secure Backup media server.

Volume Label Data Missing from Copy Job

The job transcript for a copy instance job does not contain volume label information.

Workaround: Set copy instance `copyoption` debug policy. The `obtool` command is: `setp copyinstance/copyoptions -d`

Win64 Uninstall Problem, Error: Can't Remove (*nix Client) Indices.cur File

A clean uninstall of Oracle Secure Backup 12.1 of an Administrative Server on the Windows platform does not remove the `indices.cur` files for the domains hosts. This results in a partial `OSB_HOME` directory remaining on the server.

Workaround: Manually delete the `/OSB_HOME` directory after the uninstall.

Attempt at a Post Upgrade(10.4->12.1)Restore Can't Find Tape That is in a Drive

If a tape is in a device during the upgrade to Oracle Secure Backup 12.1 then that tape will not be in the Oracle Secure Backup 12.1 inventory.

Workaround: Unload all tapes before upgrading or after upgrade unload the tape and re-inventory the library.

Backslash \ in Win64 Dataset File Not Interpreted Properly in WebTool GUI

The Oracle Secure Backup WebTool can not properly use a backslash \ for Window client datasets. This issue occurs when using a non-Windows administrative server and adding or editing a dataset for a Windows client.

Workaround: Use Unix style forward slash / for pathnames, for example: `include path D:/`

Oracle Secure Backup WebTool does not Support DISCOVERDEV Interactive Mode on Windows

The interactive mode for discovering devices does not function properly in the Oracle Secure Backup WebTool on a Windows administrative server.

Workaround: Use the **Automatic Configure Discovered Devices** option and then remove the unwanted devices.

Discrepancy Between LSJ Output and Job Transcript Output For the Restore Job

A multi-path file system restore job will report a successful restore job but the restore job transcript will report that some restore paths have not started. These not started messages can be ignored as long as the restore job succeeded. This can also occur in a wildcard restore which resulted in multiple paths that are restored.

Backup to a Disk Pool Job is not Canceled after Replying QUIT to a Disk Full Prompt

This issue occurs during with a backup of either a Solaris x64 or Solaris SPARC client and to a disk pool on remote media server. If the storage device that contains the disk pool becomes full during the backup the backup job may request manual intervention. Selecting `quit` does not automatically cancel the job.

Workaround: Enter `quit` and then manually cancel the job.

LSBI and LSBK Do Not Report Expiration For Instance Written To Tape Volume

The `lsbi` and `lsbk` commands do not report the expiration dates of backup image instances that are contained on volume sets. The backup image instances that are written to a volume set will have the expiration date of that volume set.

Workaround: Use `lsvol` to determine the expiration date of the volume set that contains the backup image instance.

WebTool GUI - Restore Doesn't Work After Using FIND to Find a File

The Oracle Secure Backup WebTool can not be used to both search a file and then restore the file that was found by the search. The WebTool does not set the host to the host used for searching for the file.

Workaround: First browse the host to be restored then search for the file.

ZFS Storage Appliance is not Supported as a Media Server

The ZFS Storage Appliance Software may permanently corrupt existing backups that have been created using Network Data Management Protocol (NDMP) with Oracle Secure Backup. The corruption occurs when subsequent NDMP restore operations are initiated in any configuration using the ZFS Storage Appliance as a NDMP Media Server. This problem does not exist when using an Oracle Secure Backup host as the Media Server. A patch or upgrade of the ZFS Storage Appliance NDMP software that fixes bug 19951942 is required to use the ZFS Storage Appliance as a Media Server.

Limitation on the Number of Active Jobs

The Oracle Secure Backup job scheduler has an active job maximum limit of 1,000 jobs and any concurrent jobs over the 1,000 job threshold are not processed and must be manually canceled. If the 1,000 active (running) job limit is exceeded, the `can't add read ev from new socket 1024 - bad event type` error message appears in the observiced log file, which resides on the Oracle Secure Backup administrative server. If the combined total of all actively running scheduler jobs such as backup, restore and / or copy instance jobs exceeds 1,000, this situation will occur and require operator assistance to manually cancel and then restart the job(s) as appropriate.

ReadMe Information for Oracle Secure Backup 12.1.0.2

The information in this section applies only to Oracle Secure Backup 12.1.0.2.

This section contains the following topics:

- New Features in Oracle Secure Backup 12.1.0.2 (page 11)

- Bugs Fixed in Oracle Secure Backup 12.1.0.2 (page 12)

- Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.2 (page 14)

New Features in Oracle Secure Backup 12.1.0.2

This section briefly describes the new functionality in Oracle Secure Backup 12.1.0.2.

This section contains the following topics:

- Domain SSL Certificate Renewal and Management (page 11)

- Set Priority for RMAN Backup and Restore (page 11)

- Platform Support (page 11)

Domain SSL Certificate Renewal and Management

Oracle Secure Backup 12.1.0.2.0 provides a method for renewing domain SSL certificates and specifying a new lifetime of the domains SSL certificates. The SSL certificates can be renewed automatically or manually for increased security.

Set Priority for RMAN Backup and Restore

Oracle Secure Backup 12.1.0.2.0 provides a means for setting the priority of an RMAN backup or restore job. The job priority can be set by an RMAN environment variable using the `ENV` parameter of the `PARMS` option on the `CONFIGURE` or `ALLOCATE CHANNEL`commands. The job priority can also be set in the Oracle Secure Backup Database Storage Selector.

Platform Support

Oracle Secure Backup 12.1.0.2.0 will support both Oracle Enterprise Linux version 7 and Microsoft Windows 10.

Bugs Fixed in Oracle Secure Backup 12.1.0.2

The following table lists all bugs fixed in Oracle Secure Backup 12.1.0.2.

Table 1-3   Oracle Secure Backup 12.1.0.2 Fixed Bugs

Oracle Secure Backup 12.1.0.2 Fixed Bugs

Bug Number	Subject
17753203	UPGRADE USING A DIFFERENT OSB_HOME DOESN'T WORK
17979844	BACKUP TO VOLUMES HAVING INCOMPLETE BACKUP DATA GOES TO PENDING STATE
18084509	ADD SUPPORT FOR AN INSTALL OPTION: "SETUP -- DEBUG"
18161417	CATALOG IMPORT OF PRE 12 TAPE FAILS WITHOUT PROPER ERROR MSG
18456068	INSTANCE JOB REPORTS END OF TAPE WHEN USING FILER ATTACHED SOURCE DEVICE FOR DB COPY JOB RESULTS IN VOLUME SWAP
18549764	CATALOG : UNABLE TO CATALOG DUPLICATED VOLUME IN ANOTHER DOMAIN
18807100	SUNFILER ZFS TYPE BACKUP ON DISK COMPLETES WITH WARNINGS
18826368	INSTANCE IMAGE ON DISK IS NOT REMOVED IF INSTANCE JOB IS CANCELLED
18874112	CATALOGING DISK POOL IMPORTS INCOMPLETE IMAGES
18902560	Oracle Secure Backup WebTool does not Support DISCOVERDEV Interactive Mode on Windows
18955070	WEBUI: INTERACTIVE CONFIGURATION OF DEVICES AFTER REMOVAL IS NOT WORKING
19152992	OSB DOES NOT DETECT NDMP CONNECTION CLOSURE
19177751	REMOVING A DEVICE CAUSES SCHEDULES THAT HAVE IT AS A RESTRICT TO DISAPPEAR
19315728	LSBI AND LSBK DO NOT REPORT EXPIRATION FOR INSTANCE WRITTEN TO TAPE VOLUME
19319641	DISCREPANCY BETWEEN LSJ OUTPUT AND JOB TRANSCRIPT OUTPUT FOR THE RESTORE JOB
19489648	Backup to a Disk Pool Job is not Canceled after Replying QUIT to a Disk Full Prompt
19563208	OBIXD FAILED TO SEND EMAIL NOTIFICATION
19600324	RATAPE ORACLE SECURE BACKUP : 'OPERATION TIMED OUT (FSP NETWORK SERVICES MANAGER
19785076	PNI FOR TCP/TCP6 NOT HONORED AFTER MKPNI

Table 1-3   (Cont.) Oracle Secure Backup 12.1.0.2 Fixed Bugs

Bug Number	Subject
19788825	ON ERROR, WRAPPER SHOULD PROVIDE TEXT CORRESPONDING TO ERROR CODE
19816010	BACKSLASH "\" IN WIN64 DATASET DESC FILE NOT INTERPRETED PROPERLY IN UI
19833937	WHEN RESTORING TO AN ALT PATH IN THE UI, ORIGINAL FULL PATH SHOULD BE DISP
19834759	WEB TOOL RESTORE DOESN'T WORK AFTER USING FIND TO FIND A FILE
19877451	WEB TOOL SEARCH DOESN'T SHOW ALL RESULTS WHEN SEARCHING MULTIPLE HOSTS
19951942	ZFS Storage Appliance is not Supported as a Media Server
20364788	OSB WEB UI SHOULD DISPLAY RELEVANT DATA IN ITS POPUP CALENDARS
20431544	THE NUMBER OF CONCURRENT JOBS FOR A DISK POOL NEEDS TO BE DEFAULTED TO ONE
20480211	LSBKUP AND LSINSTANCE DONT REPORT DATA FOR DUPLICATE VOLUMES
20493388	PREVENT ACTIVE/NEW BACKUPS TO DISK FROM BEING MARKED AS ORPHANS
20562072	WEBTOOL EDITING A SCHEDULE THAT CONTAINS A DIRECTORY DATASET GETS UNSELECTED
20643910	BACKUP JOBS TO THE DISKPOOL ARE STUCK IN RETRY
20675071	BACKUP TO TAPE WITH ENCRYPTDATAINTRANSIT GOES TO PENDING STATE WITH AIX MS
20809842	ENCRYPTDATAINTRANSIT FEATURE NOT IMPLEMENTED FOR CPINSTANCE
20975484	UI ISSUE WHEN ONLY 1 JOB IS LISTED ON MANAGE>JOBS (ERROR: JOBS NOT SELECTED)
21102877	GUI RESTORE SEARCH OPTION IS NOT WORKING AS EXPECTED
21122804	INSTALL SHOULD PROMPT USER IF .HOSTID FILE IS MISSING
21137183	OSB ISSUE WARNINGS ON LSINSTANCE OUTPUT
21137230	OSB CPINSTANCE USES TAPE DRIVE TO MIGRATE AN INSTANCE, INSTEAD OF DISK POOL
21139473	RMAN CROSSCHECK FAILING WITH OSB CATALOG
21185861	UNLABELED VOLUMES ARE NOT USED IN PASS 3

Table 1-3   (Cont.) Oracle Secure Backup 12.1.0.2 Fixed Bugs

Bug Number	Subject
21286771	WHEN PROBLEM WITH CPINSTANCE MIGRATE, JOB RESTART FROM THE BEGINNING OF LIST
21294597	ACSLS CAP SIZE REPORTED BY LSDEV IS WRONG WHEN THE CAP IS IN USE
21299300	ISSUES WHEN MIGRATING INSTANCES FROM DISK POOL TO TAPE USING CPINSTNANCE6368
21303922	BACKUP JOB TO DISK POOL EXITED WITH STATUS 97 BUT INSTANCE CREATED
21313646	BACKUP FAILING WITH MESSAGE FAILED DUE TO SIGNAL 13
21327560	FAILED OSB JOB GETS CATALOGED AND BACKUP IMAGE/INSTANCE ARE CREATED
21349875	BACKUP LEVEL NOT UPDATED WHEN MIGRATING CPINSTANCE
21441681	[RDS]LOCAL CATALOG COPY DURING BACKUP JOB ON ADMIN HOST WITH RDS INTERFACE FAILS
21443526	APACHE NON RESPONSIVE ON HPUX SOCKET ERRORS
21516534	[RDS] ALL BACKUPS SHOULD USE RDMA/RDS WHENEVER POSSIBLE
21521019	LSPIECE BAD OBJECT ID
21531493	[CPINSTANCE] CDF/RAW FILES GETS DELETED BEFORE BEING PUT ON TAPE
21764519	FIND COMMAND PERFORMANCE NOT GOOD WHEN SEARCHING IN DIRECTORY
21956975	CPBI MIGRATION JOB REMAINS IN RETRYABLE STATE IF IMAGE IS NOT AVAILABLE ON DISK
22106604	NETWORK CONNECTION SHOULD BE BASED ON HOST IPNAME ORDERING

Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.2

This section discusses Oracle Secure Backup 12.1.0.2 outstanding bugs and known issues.

Associated Bug Number	Issue
18095423	MAXBLOCKINGFACTOR Set in Policy Supersedes MBF Set on Drive
18143673	CPINSTANCE Job Fails to Create Instance from the Duplicate Volume

Associated Bug Number	Issue
18788887	INSTANCE JOB FAILS WHEN SOURCE DATA IS OF HIGHER BLOCK SIZE THAN DEST VOLUME
18966915	NO VOLUME ID IN COPY JOB IN NON VERBOSE MODE
19452711	DEVICE LSBU IS INCORRECT FOR INSTANCE CREATED BY CPINS
19641664	QUITTING A CPINSTANCE JOB IN MANUAL INTERVENTION MODE SHOWS ERROR MESSAGES
22110911	ZFS SA WITH LOCALLY ATTACHED TAPE DEVICE IS LIMITED TO 512 BLOCKING FACTOR
22102036	CPINSTANCE FROM TAPE TO TAPE FAILS TO WRITE TO EXPIRED VOLUME OF LOWER BLOCK SIZE
22096040	After Domain Recertification, RMAN backups of Window Database Clients will Fail

MAXBLOCKINGFACTOR Set in Policy Supersedes MBF Set on Drive

Workaround: Set the policy level max blocking factor to equal or higher than highest max blocking factor on the devices in the domain.

CPINSTANCE Job Fails to Create Instance from the Duplicate Volume

Workaround: CPINSTANCEcan only use the original volume. If only the duplicate volume is available then dupvol command can be used to create a copy if the volume.

Instance Job Fails When Source Data is of Higher Block Size Than Destination Volume

Workaround: Ensure that Blocking Factor for the diskpool is same as the blocking factor for the tape devices in the domain.

No Volume ID in Copy Job in Non Verbose Mode

Workaround: Set `copyinstance\copyoptions` policy to `-d`.

Device LSBU is Incorrect for Instance Created by CPINS

Workaround: Get the device information from the `cpinstance` job transcript.

Quitting a CPINSTANCE Job in Manual Intervention Mode Shows Error Messages

Workaround: Cancel the job after replying quit.

ZFS SA with Locally Attached Tape Device is Limited to 512 Blocking Factor

Workaround: The blocking factor of the tape devices locally attached to the ZFS SA must be set to 512 or lower. Backups made with blocking factor over 512 will fail to restore.

CPINSTANCE from Tape to Tape Fails to Write to Expired Volume of Lower Block Size

Workaround: Unlabel the expired volume. To avoid the problem the blocking factor for all tape devices in the domain must be the same.

After Domain Recertification RMAN Backups of Window Database Clients Will Fail

Workaround: Restart Oracle Secure Backup on the Window clients after recertification.

ReadMe Information for Oracle Secure Backup 12.1.0.3

The information in this section applies only to Oracle Secure Backup 12.1.0.3.

This section contains the following topics:

- New Features for Release 12.1.0.3 (page 16)

- Bugs Fixed in Oracle Secure Backup 12.1.0.3 (page 17)

- Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.3 (page 20)

New Features for Release 12.1.0.3

This section briefly describes the new functionality in Oracle Secure Backup 12.1.0.3.

Assign ownership for backup jobs

Ownership of file-system backup jobs can be transferred to an Oracle Secure Backup user who is different from the user who created the backup.

Network interface selection for hosts

You can configure a Preferred Network Interface (PNI) for outbound connections from a host.

Secure client installation

New clients can be securely registered into the Oracle Secure Backup domain by verifying the identity of the host that initiated the request to add the new client. The user is required to supply the identity of that host during the client installation.

See Also:

Oracle Secure Backup Installation and Configuration Guide for more information on client installation

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Restrict untrusted hosts in the administrative domain

You can use Oracle Secure Backup policies to control whether Oracle Secure Backup accepts jobs from an untrusted client hosts (hosts that are not the administrative server or media server).

Bugs Fixed in Oracle Secure Backup 12.1.0.3

This section lists the bugs that have been fixed in Oracle Secure Backup 12.1. 0.3.

Table 1-4   Oracle Secure Backup 12.1.0.3 Fixed Bugs

Oracle Secure Backup 12.1.0.3 Fixed Bugs	
Bug Number	**Subject**
24790639	IDENTIFYVOL AND IMPORTVOL --IDENTIFY LEAVES ARCHIVES DATABASE IN INCORRECT STATE
24744879	RESTORE --USER NEEDED FOR FILE SYSTEM SUPPORT IN ZDLRA
24736573	SUPPORT A LIST OF AUTHORIZED SECURE REGISTRATION SOURCES
24621686	INSTALLER - TEXT/CODE CHANGES TO CLARIFY USE OF "ADDING HOST INITIATOR NAME"
24614464	DAILY CROSSCHECK JOBS ARE DETECTING THAT CU IS LOOSING BACKUPS
24574534	CVE-2016-6290: UPGRADE PHP TO 5.6.24, 7.0.9 OR LATER
24571942	BACKUP JOB EXITED WITH SIGNAL 11 - OBTAR SEGFAULT WHEN USEONLY PNI IS SET TO RDS
24455554	CPINSTANCE INCORRECTLY PUTS DEVICES IN "AUTO NOT IN SERVICE"
24391724	CATALOG UPDATE PROCESS TERMINATED WITH ERROR - OBIXD SUBPROCESS EXITED PREMATURE
24377143	CPINSTANCE INCORRECTLY PUTS DEVICES IN "AUTO NOT IN SERVICE"
24346114	BACKUP FAILURE WHEN REMOTE PNI (CLIENT) CONFLICTS WITH ONI FOR A HOST
24332613	INSTALL UPGRADE: OSB VERSION NUMBER STORED IN OBCONFIG IS NOT UPDATED
24298493	OBPROXYD SOME MESSAGES LOG LEVEL TO BE CHANGED
24012031	UPGRADE OSB TO APACHE 2.4.23 AND PHP TO 5.6.23
24011483	CPINSTANCE ERROR HANDLING
23733666	"CHHOST --ROLES ADMIN" SHOULD BE ALLOWED IF THE HOST IS ALREADY AN ADMIN
23735000	MKPNI SEGFAULTS WITH --NETWORK OPTION

Table 1-4   (Cont.) Oracle Secure Backup 12.1.0.3 Fixed Bugs

Bug Number	Subject
23637678	MIGRATE OSB - ERROR: VOLUME ID ON MEDIA %S DOES NOT MATCH VOLUME ID REQUESTED
23618824	ENHANCEMENT: "ERROR: TRUST CHECK FAILURE" SHOULD BE REPORTED BY MKHOST COMMAND
23585153	WEB TOOL DOESN'T SET MEDIA POLICY OVERWRITE BLANK TAPE CORRECTLY
23555285	OSB CLIENT 12.1.0.1.0, 12.1.0.2.0 AND 12.1.0.2 CANNOT BE INSTALLED ON LINUX 6.6
23526094	ACCEPT JOBS ONLY FROM TRUSTED HOST
23484950	DISKPOOL FREESPACE GOAL SET TO 100%
23322756	MKHOST AND CHHOST SHOULD DISALLOW ADDING/REMOVING ADMIN ROLE
23307931	APACHE DAEMONS DON'T COME UP ON INITIAL INSTALL, SOLARIS SPARC & X86
23300475	UPGRADE APACHE, OPENSSL, AND PHP
23277609	SV12.1.0.3.0WEBINSPECT: WEAK SSL CIPHER AND PROTOCOL IN ORACLE SECURE BACKUP
23277559	SV12.1.0.3.0WEBINSPECT: POTENTIAL CROSS FRAME SCRIPTING IN ORACLE SECURE BACKUP
23277442	SV12.1.0.3.0WEBINSPECT: POTENTIAL SESSION FIXATION IN ORACLE BACKUP
23275414	ACCESSIBILITY TESTING - TEST OSB 12.1.0.3.0 AGAINST OAG 2.0 PRIOR TO RELEASE
23242736	ALLOW PRIVILEGED USER TO CHANGE OWNERSHIP OF JOB
23237092	OVERWRITEFOREIGNTAPE DEFAULTED TO YES
23174416	OSB SERVICES OBSERVICED CRASHING ON ADMIN SERVER
23172642	OSB RESTORE USER NOT ABLE TO RESTORE DATA IN GUI
23139379	ADD SUPPORT FOR ENCRYPTION, LTO6 & IBM LTO7 DRIVES
23113852	OBCLEANUP DOES NOT REMOVE BACKUP IMAGE AND BACKUP INSTANCE
23039531	FULL DISK POOL NOT CLEANED UP BY SCHEDULER
23000091	OBTOOL MANAGEDEV COMMAND NEEDS SAME DELETED IMAGES FIX AS OBPOOLMGR

Table 1-4   (Cont.) Oracle Secure Backup 12.1.0.3 Fixed Bugs

Bug Number	Subject
22980554	OSB 'WARNING: UNABLE TO RESET ENCRYPTION - REVERTING TO SOFTWARE ENCRYTION'
22977363	OSB JOB STUCK WITH THE LINE "RDB: ADDING RECORD FOR OID 63925"
20638950	UPGRADE: 10.4.0.3 TO 12.1 UPGRADE RESETS OPERATOR (AND ADMIN) CLASS RIGHTS.
22891093	NDMP BACKUP FAILED WITH STATUS 98 INSTEAD COMPLETING PARTIALLY
22695592	RECERTIFYDOMAIN FAILS ON 12.1.0.2 AFTER UPGRADE FROM 10.4.0.3
22876356	VFYLIB REPORTING STRANGE CHARACTERS FOR ULTRIUM 5-SCSI ABOUT SERIAL NUMBER
13356198	ALL UNIX PLATFORMS SHOULD HAVE A COMMON STOP AND START COMMAND
22836387	OBPOOLMGR CRASHES IF DELETEORPHANS IS RUN AND THERE IS NO ACTIVE DIRECTORY
22836023	RMAN DELETEPIECE LEAVES ORPHANS IN DISK POOLS
22826431	OSB WEBTOOL DOESN'T SHOW DIR CONTENT IF THERE IS A GREEK CHARACTER IN THE PATH
22464039	CAN'T OPEN ACSLS CONTROLLED DRIVE. THE DEVICE IS NOT AT DEFINED TARGET
22353235	NDMP_TAPE_CLOSE FAILED DUE TO WRITE-FILEMARK ERROR
22283677	EXCESSIVE PERMISSIONS ON ORACLE SECURE BACKUP LOG FILES
22283655	TCP FLOOD DOS AGAINST THE SECURE BACKUP OBPOOLMGR DAEMON
22283578	DEFAULT KEY LENGTH FOR CERTIFICATES IS TOO SHORT IN OSB (1024 BIT)
22283557	INSECURE INITIAL REGISTRATION OF OSB CLIENTS
22274822	NETAPP FILER BACKUP PARTIALLY COMPLETES WITH NON ROOT OSB USER
22110911	ZFS SA AS MEDIA SENDS EOF WHEN DATA IN BUFFER RESULTING IN RESTORE FAILURE
22080000	REMOVE DISABLE HARDWARE ENCRYPTION FROM WEB TOOL FOR COPY BACKUP IMAGES

Table 1-4   (Cont.) Oracle Secure Backup 12.1.0.3 Fixed Bugs

Bug Number	Subject
21882426	POST UPGRADE OSB TO 12.1.0.1.0 BACKUP FAILS "COMMUNICATIONS FAILURE WITH CLIENT"
21843834	LOGIN FAILED, THE OBTOOL PROGRAM IS NOT PROTECTED PROPERLY
21841208	OBHTTPD SENDS OBSERVICED A TERMINATION SIGNAL UPON EXIT
21697083	SOLARIS SPARC,X86 - SERVICE DAEMON IS NOT STARTED WHEN HOST IS REBOOTED
20033240	WEBTOOL FAILS SUBMITTING PASSWORD WHEN USING CPINSTANCE AND TRANSIENT ENCRYPTION
19823170	IMPROVE REMOVING DISKPOOL IN WEBUI
19385117	Misc. UI ISSUES
18884595	OBSERVICED SCRIPT UNABLE START SERVICE USING RESTART OPTION ON LINUX
18082520	WHEN CREATING A DISK DEVICE THE --FORCE OPTION IS NOT AVAILABLE
18063163	NO FORCE OPTION FOR REMOVING A BACKUP IMAGE INSTANCE
14774218	WEB UI SHOULD DISPLAY A REASON WHEN LOGGING OUT A USER DUE TO A TIMEOUT
13003481	A PIECE SPANNING MULTIPLE VOLUMES SHOWS VOL NAMES JOINED IN MANAGE>DB BU PIECES

Outstanding Bugs and Known Issues in Oracle Secure Backup 12.1.0.3

This section discusses Oracle Secure Backup 12.1.0.3 outstanding bugs and known issues.

Table 1-5   Oracle Secure Backup 12.1.0.3 Open issues

Oracle Secure Backup 12.1.0.3 Open issues	
Associated Bug Number	**Issue**
22096715	BACKUP FAILS DURING CATALOG COPY IF LOCAL RDMA CONNECTION IS USED
24358800	PNI --USEONLY FAILS TO DISTINGUISH BETWEEN RDS AND IPV4
23250387	COPYINSTANCE FAILS IF INSTANCES BELONG TO DIFFERENT VOLUMES IN THE SAME LIBRARY

Table 1-5   (Cont.) Oracle Secure Backup 12.1.0.3 Open issues

Associated Bug Number	Issue
24562209	IMPROPER HANDLING OF ERROREOUS SYNTAX IN MKPNI NETWORK OPTION
23724229	REMOVE PNI COMMAND DOESN'T HAVE OPTION TO REMOVE PNI CREATED BY --USEONLY OPTION

BACKUP FAILS DURING CATALOG COPY IF LOCAL RDMA CONNECTION IS USED

Workaround: A file system backup job fails if the Administrative server is also the media server when backing up a client over a RDS/RDMA connection. The workaround is to use a separate host as the Administrative Server or to disable RDS on the Administrative/Media server.

PNI --USEONLY FAILS TO DISTINGUISH BETWEEN RDS AND IPV4

Workaround: You must use the PNI –network option to force the use of the RDS connection as the outgoing connection.

COPYINSTANCE FAILS IF INSTANCES BELONG TO DIFFERENT VOLUMES IN THE SAME LIBRARY

Workaround: The list of instances for the copy instance command must all be on the same volume set.

IMPROPER HANDLING OF ERROREOUS SYNTAX IN MKPNI NETWORK OPTION

Workaround: The list of IP address cannot contain multiple comas such as mkpni -n 10.137.32.143/24,,10.137.32.143.

REMOVE PNI COMMAND DOESN'T HAVE OPTION TO REMOVE PNI CREATED BY --USEONLY OPTION

Workaround: Use the new command option for chpni to remove the outgoing network, chpni –rmnetwork <ip address> or chpni –rmuseonly <ip address>.

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