Veritas NetBackup™ Emergency Engineering Binary Guide

Release 8.3 and 8.3.x

Document Version 1

VERITAS™

Veritas NetBackup™ Emergency Engineering Binary Guide

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Veritas Services and Operations Readiness Tools (SORT)

Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

Contents

NetBackup release content listings

This chapter includes the following topics:

- About NetBackup release content listings
- About the NetBackup "known issues" documentation conventions

About NetBackup release content listings

Each release of NetBackup incorporates fixes to several known issues that affected previous versions of NetBackup. Some of these fixes are associated with the customer-specific issues that have been documented in the form of customer cases. Several of the customer-related fixes that are incorporated into each release are also made available as emergency engineering binaries (EEBs).

The *NetBackup Emergency Engineering Binary Guide* contains the following information:

- Tables that list the EEBs that were incorporated into NetBackup releases
- Release content listings of some of the known issues that were fixed in NetBackup releases

The *NetBackup Emergency Engineering Binary Guide* is published for each major release and minor (single-dot) release. The guide is then periodically updated to include the EEB and release content listings for subsequent double-dot and triple-dot releases.

Much of the information that is found in the *NetBackup Emergency Engineering Binary Guide* can also be found on the Veritas Services and Operations Readiness Tools (SORT) website using the NetBackup Hot Fix and EEB Release Auditor widget.

See "About Veritas Services and Operations Readiness Tools" on page 16.

Note: If you do not see information about an EEB or a fixed issue that you expected to see in the *NetBackup Emergency Engineering Binary Guide* or in SORT, contact Veritas Support.

About the NetBackup "known issues" documentation conventions

The following items describe the conventions used in the NetBackup known issues listings:

- **Etrack Incident**
  Notes the Etrack number that targets a release

- *Associated Primary Etrack*
  An additional Etrack number that exists in the incident hierarchy

- *Associated Service Request Etrack*
  The Etrack that is associated with the customer support service request

- *Description*
  Describes a particular issue that has been fixed in a release, as well as additional notes and workarounds (if available).
  Workarounds can be used instead of applying the patch, however, Veritas recommends the best practice of operating at the latest available NetBackup release level.

- ***Description* or ***Etrack number*
  Describes a critical issue or an issue that can lead to a potential data loss that has been fixed in this release
  Please read these issue descriptions carefully. In some cases, a Tech Alert link is provided.

EEBs and other known issues resolved in NetBackup 8.3

This chapter includes the following topics:

- Previous EEBs now resolved in NetBackup 8.3

- Other known issues resolved in NetBackup 8.3

Previous EEBs now resolved in NetBackup 8.3

Table 2-1 contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 8.2 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Veritas Services and Operations Readiness Tools (SORT) website.

https://sort.veritas.com/netbackup

Table 2-1 Previous EEBs now resolved in NetBackup 8.3

Etrack Number	EEB Description
3919360	'Restore without access control' does not work with OpsCenter operational restore.
3919447	The NetBackup database server uses a high amount of CPU if the database contains many image fragments and media IDs.

Table 2-1   Previous EEBs now resolved in NetBackup 8.3 *(continued)*

Etrack Number	EEB Description
3938993	DFSR backup takes more than 3 days to complete.
3942306	DFSR backup takes more that 3-days to complete.
3952214	Hyper-V SAN backups fails with error code 10 when the cluster name is used in a Hyper-V intelligent policy.
3957730	Child jobs for Oracle and Microsoft SQL policies fail with 196 errors when the Daylight Savings change happens in countries where the time change happens at midnight between Saturday and Sunday (mostly South American such as Brazil, Chile, and Paraguay).
3962001	During Image Cleanup job, Sybase database server hits 100% CPU.
3963053	Child jobs for Oracle and Microsoft SQL policies fail with 196 errors when the Daylight Savings change happens in countries where the time change happens at midnight between Saturday and Sunday (mostly South American such as Brazil, Chile, and Paraguay).
3963213, version 1	Beginning one week after a Daylight Savings Time change, SQL and Oracle intelligent policy jobs can fail with a 196 error (window is closed). The jobs will then be retried every minute and continue to fail.
3965078	DFSR backups take a long time because the backup did not handle DFSR reparse points correctly.
3969572	During Image Cleanup job, Sybase database server hits 100% CPU.
3977233	In the case of a Flex set-up, unable to perform catalog recovery restore of the ACL when the owner is not root.
3978133	'Restore without access control' does not work with OpsCenter operational restore.
3980797	During Image Cleanup NB_dbsrv i.e., Sybase database hits 100% CPU.
3981161	HBase Backup run only has discovery job, no child jobs.
3981479	Disabled curl verbosity as it was displaying client_secret, password values for AAD and ADFS mechanisms, respectively.
3983247	VXupdate shuts down vmd.exe without checking to see if it is a Veritas process.
3983414	Higher capacity usage for clients since FEDS posting started. Duplicate entries are seen for client and policy combination one with FQDN and other with shortname. Lower usage reported for NDMP policies.
3986209, version 2	nbrestorevm fails when using the -vcdlfree switch.
3986477	Nbdeployutil and OpsCenter Capacity Report are not similar

Table 2-1 Previous EEBs now resolved in NetBackup 8.3 *(continued)*

Etrack Number	EEB Description
3986700	Clients Not Backed Up report showing clients with successful backups.
3987098	nbdeployutil incremental report shows duplicate entries for VMWare VMs, one with lowercase and the other with uppercase in the Itemization tab. Also, higher usage is reported in the Summary tab.
3987300	Individual nodes are being listed in itemization tab for Clustered FS backup. Duplicate entries are being seen for Exchange clients in itemization tab.
3987480, version 2	nbrestorevm fails with -vcdlfree switch. vCloud Director VIP smart query and restore times out/fails. Support for vCloud director 9.5.
3987911	During image cleanup nb_dbsrv is getting 100% cpu and media servers lose connection to nbemm.
3988297	In the case of a Flex set-up, unable to perform catalog recovery restore of the ACL when the owner is not root.
3988709	AIX standard backup failing with status 69.
3989338	SQL Server backup fails when Windows security prevents use of CryptAcquireContext API.
3989691	For restore the GUI fetches the ESX server list every time from the VC. This takes a long time during configuration of the restore jobs from the GUI.
3990280	NBSL Issues
3990515	nbdeployutil is failing to generate usage file required for Smart Meter.
3990841	Hyper-V SAN backups fails with error code 10 when the cluster name is used in a Hyper-V intelligent policy.
3991031	When switching a VMware vCloud policy from Advanced Mode to Basic Mode, the AND operator is removed from 'AND NOT' causing policy to fail to save or jobs to fail with Status 46.
3992152, version 3, 2, 1	Backup jobs of NetBackup Hypervisor backup policy for Nutanix AHV fails with an error code 84 when the Accelerator option is enabled in the policy configuration.
3992514	Unable to add NDMP host credentials for Master server
3993530	Required EEB for OpsCenter 8.2.
3993547	nbdbadmin command fails to launch in cluster master. Error: 'This tool can not be run remotely. You can only run it on the master server.'

Table 2-1 Previous EEBs now resolved in NetBackup 8.3 *(continued)*

Etrack Number	EEB Description
3993555	DFSR backups take a long time because the backup did not handle DFSR reparse points correctly.
3994645	An error occurs when nbdeployutil is run manually and incremental: "SQL query failed to execute". This EEB also adds a fix to use master-server name in a non-case-sensitive way.
3994786	Clients Not Backed Up report showing clients with successful backups.
3994999	nbdeployutil capacity report shows duplicate client entries and causing discrepancy.
3995025	Improving the efficiency and behavior of hostdb.cache
3995098	DB backup too slow, Arithmetic overflow error converting expression to data type int.
3995706	When choosing use defaults from master in the SAN client preferences, the box is no longer checked when reopening the preferences.
3996001	Security Vulnerabilities with the older version of Tomcat.
3996035	Nbdeployutil and OpsCenter Capacity Report are not similar
3996226	Fix for Certificate Revocation List(CRL) issue for cloud storage server.
3996230	The new nbstlutil completion_report option will display the completion status for SLP processing on a per-client basis.
3996231	Addresses bpbkar logging vulnerability (symlink highjack of log file by non-root user can overwrite system files).
3996316	nbaudit seems to block security events and restore functionality in NetBackup when OpsCenter Datacollection is enabled
3996429	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3996471	JRE needs to be upgraded to 1.8_241
3996729	Lower version of Tomcat has a security vulnerability.
3997079	BMR backup completes with status 1.
3997462	8.2 - Security Scanner has detected TomCat version needs to be updated.
3998442	VM backup images were corrupt with the wrong file number due to another EEB. This EEB fixes the file number in the case that it's needed to be able to perform a full VM restore.
3998503, version 1	Current NetBackup SLP practice is to submit jobs containing the oldest images first. This EEB provides the option to submit jobs containing the newest images first.

Table 2-1   Previous EEBs now resolved in NetBackup 8.3 *(continued)*

Etrack Number	EEB Description
3998707	EMC Isilon backups failing with "got unexpected name from Paxheader," unexpected extended header content, index, size.
3998779	Alerts not being generated and not displayed in manage/alerts API output for vault jobs.
3999093	AIX standard backup failing with status 69.
3999095	Standard Backup failed with Status Code 69 on AIX.
3999254	PostGreSQL - VxBSACreateObject: ERR - resourceType too long: 33 bytes.
3999332	The instant access VM didn't restore the VM option 'Synchronize guest time with host'.
3999636	If a virtual machine data is protected, irrespective of the policy type, it is part of a virtual workload. This EEB is applicable for NetBackup clients installed on VMs hosted on VMware, Hyper-V, RHV, Nutanix-AHV, OpenStack, and AzureStack platform.
3999639	If a virtual machine data is protected, irrespective of the policy type, it is part of a virtual workload. This EEB is applicable for NetBackup clients installed on VMs hosted on VMware, Hyper-V, RHV, Nutanix-AHV, OpenStack, and AzureStack platform.
3999706	Windows install using silentclient.cmd will not work if Master Server cannot be contacted, even with all NBCA/ECA entries marked as 'SKIP'
3999724, version 1	Backport of new In Place Disk Option for VMDK Restore feature along with VMware bundle.
3999785	OpsCenter becomes unresponsive
3999796	Support of MongoDB over CentOS for 8.2 MongoDB plugin version
4000090	Hyper-V VM is backed up by Hyper-V policy and the NetBackup client installed inside the same guest VM is backing non file-system workloads (using policy types other than Standard/MS-Windows). You are only charged for the virtual machine (VM) backup.
4000113	NB_dbsrv utilizing high memory - OpsCenter Audit Data Collection issue
4000122	Child jobs for Oracle and Microsoft SQL policies fail with 196 errors when the Daylight Savings change happens in countries where the time change happens at midnight between Saturday and Sunday (mostly South American such as Brazil, Chile, and Paraguay).
4000213	VM backup images were corrupt with the wrong file number due to another EEB. Restore of these VM's fails with status 1.
4000324	The postMerge stored procedure marks valid=0, status=6 master servers as valid=1, status=3 and also adds them to the ALL MASTER SERVERS view

Table 2-1   Previous EEBs now resolved in NetBackup 8.3 *(continued)*

Etrack Number	EEB Description
4000364	Hyper-V VM is backed up by Hyper-V policy and the NetBackup client installed inside the same guest VM is backing non file-system workloads (using policy types other than Standard/MS-Windows). You are only charged for the virtual machine (VM) backup.
4000365	8.2 - Security Scanner has detected TomCat version needs to be updated. [Netbackup.war fix]
4000366	RHV VM is backed up by Hypervisor policy and the NetBackup client installed inside the same guest VM is backing file-system or application workloads (using policy types such as Standard/MS-Windows, MS-SQL-Server). You are only charged for the VM backup.
4000656	Netbackup 8.2 build your own Apache/Tomcat vulnerability
4001978, version 1	Current NetBackup SLP practice is to submit jobs containing the oldest images first. This EEB provides the option to submit jobs containing the newest images first.
4002172, version 2, 1	EEB Bundle containing two NBSL fixes: OpsCenter Data Collection is not working and the NBSL service is getting crash frequently on cluster master server.
4002686	Frequent abnormal growth of DBM DATA and processes crashing intermittently.
4002934	MySQL scripts fail to execute.
4003351	Microsoft started supporting async snapshot support for azurestack. Few customers reported that application crashed if we take backup while heavy IO is in process.
4003461	(8.1.2) NetBackup for SQL Server backup fails but reports success to Microsoft SQL Server.
4003934	When using ECA and disabled CRL check from client, customers are able to see CRL refresh request from client host to master server. This unexpected communication might overload the master server in large environments.
4004205, version 1	Bundle to address web services/API issues in 8.2 along with Tomcat upgrade to 8.5.53
4005496	Hyper-V SAN backups fails with error code 10 when the cluster name is used in a Hyper-V intelligent policy.
4006143, version 1	Master server hangs, jobs are not starting and cannot be cancelled.
4006890, version 1	Isilon NDMP backup failing with a 'network connection timed out' error.
4007693, version 1	Combining EEBs which address issues with nbdeployutil and web services
4007892, version 2, 1	Storage Unit and Storage Unit Group collectors are failing in OpsCenter
4008096	For restore the GUI fetches the ESX server list every time from the VC. This takes a long time during configuration of the restore jobs from the GUI.

Other known issues resolved in NetBackup 8.3

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 8.3 release.

Etrack Incident: 3994741

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

- Description:
  The OpsCenter Tuning Information Feature was added to show actual and recommended sizes for database cache, server service heap, and gui service heap size and recommended size.

Etrack Incident: 3996601

- Associated Primary Etrack: 3995942

- Associated Service Request Etrack(s): 3995941

- Description:
  When running nbdeployutil, particularly for the first time, the compressed catalog entries were uncompressed for nbdeployutil to consume, but are left uncompressed after the tool had parsed the particular folder. This resulted in the disk on which the catalog is located in to fill up and eventually causes NetBackup to stop working.

Etrack Incident: 4000184

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

- Description:
  This issue updated Apache Shiro version in mainline to v1.5.2 due to a reported vulnerability.

Etrack Incident: 4000607

- Associated Primary Etrack: 3998482

- Associated Service Request Etrack(s): 3998481

- Description:
  A 5240 Appliance was displaying an error when starting services related to universal shares, which are not supported in this system.

Etrack Incident: 4000676

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

- Description:
  This issue updated Spring framework, Spring data, and Spring security versions in mainline to 5.2.5, 2.2.6 and 5.3.1 respectively, due to a reported vulnerability.

Etrack Incident: 4001749

- Associated Primary Etrack: 3999913

- Associated Service Request Etrack(s): 3999912

- Description:
  High memory usage was reported by the nborautil process.

Etrack Incident: 4002347

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

- Description:
  Backup and restore jobs failed. A successful request was made to subscribe an asset to a protection plan but it returned a status code of 500. An attempt to delete the protection plan failed.

Etrack Incident: 4004049

- Associated Primary Etrack: 4002916

- Associated Service Request Etrack(s): 4002915

- Description:
  With a new configuration of instant access VM, performing a restore from the etNacbup web UI failed and showed the error message "Failed to get version from the Netbackup deduplication server".

Etrack Incident: 4005269

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

- Description:
  When creating snapshots in the same Resource Group as the VM, snapshots were deleted when the Resource Group was deleted, resulting in a break of the retention policy.

Etrack Incident: 4005897

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A

■ Description:

When restoring files to a VM with instant access, the option "overwrite existing file" was grayed and therefore unavailable to be enabled.

Etrack Incident: 4006778

■ Associated Primary Etrack: 4006221

■ Associated Service Request Etrack(s): 4006220

■ Description:

"fsdb duplicate inode" was detected after installation of Cloud Catalyst EEB bundles.

Etrack Incident: 4007040

■ Associated Primary Etrack: N/A

■ Associated Service Request Etrack(s): N/A

■ Description:

Cloud Catalyst file system operations generated a "write timed out" error.

Etrack Incident: 4007701

■ Associated Primary Etrack: N/A

■ Associated Service Request Etrack(s): N/A

■ Description:

Original text: N/A. Edited text for RN: When a user created a resiliency group for a VM in the Veritas Resiliency Platform (VRP) and chose not monitor the RPO, it was reflected as "RPO met" in the NetBackup web UI under **Resiliency Blade > Automated List**.

Etrack Incident: 4007703

■ Associated Primary Etrack: N/A

■ Associated Service Request Etrack(s): N/A

■ Description:

When a user clicked on **Resiliency Blade -> not automated -> VM (automate for recovery)**, the xlaunch landed into an unmanaged view of Veritas Resiliency Platform (VRP), but it did not select the VM for further action in VRP UI. This left the user searching for the VM in the UI.

About SORT for NetBackup Users

This appendix includes the following topics:

- About Veritas Services and Operations Readiness Tools

- Recommended SORT procedures for new installations

- Recommended SORT procedures for upgrades

About Veritas Services and Operations Readiness Tools

Veritas Services and Operations Readiness Tools (SORT) is a robust set of standalone and web-based tools that support Veritas enterprise products. For NetBackup, SORT provides the ability to collect, analyze, and report on host configurations across UNIX/Linux or Windows environments. This data is invaluable when you want to assess if your systems are ready for an initial NetBackup installation or for an upgrade.

Access SORT from the following webpage:

https://sort.veritas.com/netbackup

Once you get to the SORT page, more information is available as follows:

- **Installation and Upgrade Checklist**
  Use this tool to create a checklist to see if your system is ready for a NetBackup installation or an upgrade. This report contains all the software and the hardware compatibility information specific to the information provided. The report also includes product installation or upgrade instructions, as well as links to other references.

- **Hot fix and EEB Release Auditor**

  Use this tool to find out whether a release that you plan to install contains the hot fixes that you need.

- **Custom Reports**

  Use this tool to get recommendations for your system and Veritas enterprise products.

- **NetBackup Future Platform and Feature Plans**

  Use this tool to get information about what items Veritas intends to replace with newer and improved functionality. The tool also provides insight about what items Veritas intends to discontinue without replacement. Some of these items include certain NetBackup features, functionality, 3rd-party product integration, Veritas product integration, applications, databases, and the OS platforms.

Help for the SORT tools is available. Click **Help** in the upper right corner of the SORT home page. You have the option to:

- Page through the contents of the help similar to a book

- Look for topics in the index

- Search the help with the search option

Recommended SORT procedures for new installations

Veritas recommends new NetBackup users perform the three procedures that are listed for an initial introduction to SORT. The tool has many other features and functions, but these serve as a good introduction to SORT. In addition, the procedures provide a helpful base of knowledge for other SORT functionality.

Table A-1

Procedure	Details
Create a Veritas Account on the SORT webpage	See "To create a Veritas Account on the SORT page" on page 18.
Create generic installation reports	See "To create a generic installation checklist" on page 18.
Create system-specific installation reports	See "To create a system-specific installation report for Windows" on page 19.
	See "To create a system-specific installation report for UNIX or Linux" on page 20.

To create a Veritas Account on the SORT page

1   In your web browser, navigate to:

https://sort.veritas.com/netbackup

2   In the upper right corner, click **Login**, then click **Register now**.

3   Enter the requested login and contact information:

Email address	Enter and verify your email address
Password	Enter and verify your password
First name	Enter your first name
Last name	Enter your last name
Company name	Enter your company name
Country	Enter your country
Preferred language	Select your preferred language
CAPTCHA text	Enter the displayed CAPTCHA text. If necessary, refresh the image.

4   Click **Submit**.

5   When you receive your login information, you can log into SORT and begin uploading your customized information.

To create a generic installation checklist

1   In your web browser, navigate to:

https://sort.veritas.com/netbackup

2   Find and select the **Installation and Upgrade Checklist** widget.

3 Specify the requested information

Product	Select the appropriate product from the drop-down menu. For NetBackup select **NetBackup Enterprise Server** or **NetBackup Server**.
Product version you are installing or upgraded to	Select the correct version of NetBackup. The most current version is always shown at the top of the list.
Platform	Select the operating system that corresponds to the checklist you want generated.
Processor	Select the correct processor type for your checklist.
Product version you are upgrading from (optional)	For new installations, do not make any selections. For upgrades, you can select the currently installed version of NetBackup.

4 Click **Generate Checklist**.

5 A checklist corresponding to your choices is created. You can modify your selections from this screen, and click **Generate Checklist** to create a new checklist.

You can save the resulting information as a PDF. Numerous options are available for NetBackup and many of them are covered in the generated checklist. Please spend time reviewing each section to determine if it applies to your environment.

To create a system-specific installation report for Windows

1 Go to the SORT website:

https://sort.veritas.com/netbackup

2 In the **Installation and Upgrade** section, select **Installation and Upgrade custom reports by SORT data collectors**.

3 Select the **Data Collectors** tab

4 Select the radio button for **Graphical user interface** and download the correct data collector for your platform.

The data collector is OS-specific. To collect information about Windows computers, you need the Windows data collector. To collect information about UNIX computers, you need the UNIX data collector.

5 Launch the data collector after it finishes downloading.

6   On the **Welcome** screen, select **NetBackup** from the product family section and click **Next**.

7   On the **System Selection** screen, add all computers you want analyzed. Click **Browse** to see a list of computers you can add to the analysis. Veritas recommends starting the tool with an administrator or a root account.

8   When all systems are selected, review the **System names** section and click **Next**.

9   In the **Validation Options** screen, under **Validation options**, select the version to which you plan to upgrade.

10   Click **Next** to continue

11   The utility performs the requested checks and displays the results. You can upload the report to My SORT, print the results, or save them. Veritas recommends that you upload the results to the My SORT website for ease of centralized analysis. Click **Upload** and enter your My SORT login information to upload the data to My SORT.

12   When you are finished, click **Finish** to close the utility.

To create a system-specific installation report for UNIX or Linux

1   Go to the SORT website:

https://sort.veritas.com/netbackup

2   In the **Installation and Upgrade** section, select **Installation and Upgrade custom reports by SORT data collectors**.

3   Select the **Data Collector** tab.

4   Download the appropriate data collector for your platform.

The data collector is OS-specific. To collect information about Windows computers, you need the Windows data collector. To collect information about UNIX computers, you need the UNIX data collector.

5   Change to directory that contains downloaded utility.

6   Run `./sortdc`

The utility performs checks to confirm the latest version of the utility is installed. In addition, the utility checks to see it has the latest data. The utility then lists the location of the log file for this session.

7   If requested, press **Enter** to continue.

8   Select the **NetBackup Family** at the **Main Menu**.

9 Select **Installation/Upgrade report** when prompted **What task do you want to accomplish?**

You can select multiple options by separating your response with commas.

10 Specify the system or systems you want included in the report.

If you previously ran a report on the specified system, you may be prompted to run the report again. Select **Yes** to re-run the report.

The utility again lists the location of the log files for the session.

The progress of the utility is displayed to the screen.

11 Specify **NetBackup** when prompted for the product you want installation or upgrade reports.

12 Enter the number that corresponds to the version of NetBackup you want to install.

The utility again lists the location of the log files for the session.

The progress of the utility is displayed to the screen.

13 The utility prompts you to upload the report to the SORT website if you want to review the report online. The online report provides more detailed information than the text-based on-system report.

14 When your tasks are finished, you can exit the utility. You have the option to provide feedback on the tool, which Veritas uses to make improvements to the tool.

Recommended SORT procedures for upgrades

Veritas recommends current NetBackup users perform the three procedures that are listed for an initial introduction to SORT. The tool has many other features and functions, but these serve as a good introduction to SORT for users who already use NetBackup. In addition, the procedures provide a helpful base of knowledge for other SORT functionality.

Table A-2

Procedure	Details
Create a Veritas Account on the SORT webpage	See "To create a Veritas Account on the SORT page" on page 18.

Table A-2   *(continued)*

Procedure	Details
Create a system-specific upgrade report	See "To create a system-specific installation report for Windows" on page 19.
	See "To create a system-specific installation report for UNIX or Linux" on page 20.
Review the future platform and feature plans. Review the hot fix and emergency engineering binary release auditor information.	See "To review future platform changes and feature plans" on page 22.
	See "To review hot fix and emergency engineering binary information" on page 22.

To review future platform changes and feature plans

1   In your web browser, navigate to:

https://sort.veritas.com/netbackup

2   Find and select the **NetBackup Future Platform and Feature Plans** widget.

3   Select **Display Information**.

4   Review the information provided

5   Optional - sign in to create notification - Click **Sign in and create notification**.

To review hot fix and emergency engineering binary information

1   In your web browser, navigate to:

https://sort.veritas.com/netbackup

2   Find and select the **NetBackup Hot Fix and EEB Release Auditor** widget.

3   Enter the hot fix or emergency engineering binary (EEB) information.

4   Click **Search**.

5   The new page shows a table with the following columns:

Hot fix of EEB Identifier	Shows the hot fix or EEB number that was entered on the previous screen.
Description	Displays a description of the problem that is associated with the hot fix or EEB.
Resolved in Versions	Provides the version of NetBackup where this issue is resolved.