Symantec NetBackup™ Emergency Engineering Binary Guide

Release 7.6

Document Version 1

✓Symantec™

Symantec NetBackup™ Emergency Engineering Binary Guide

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Documentation version: 7.6

Legal Notice

Technical Support

Symantec Technical Support maintains support centers globally. Technical Support's primary role is to respond to specific queries about product features and functionality. The Technical Support group also creates content for our online Knowledge Base. The Technical Support group works collaboratively with the other functional areas within Symantec to answer your questions in a timely fashion. For example, the Technical Support group works with Product Engineering and Symantec Security Response to provide alerting services and virus definition updates.

Symantec's support offerings include the following:

- A range of support options that give you the flexibility to select the right amount of service for any size organization

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- Global support purchased on a regional business hours or 24 hours a day, 7 days a week basis

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For information about Symantec's support offerings, you can visit our website at the following URL:

www.symantec.com/business/support/

All support services will be delivered in accordance with your support agreement and the then-current enterprise technical support policy.

About Symantec Operations Readiness Tools

Symantec Operations Readiness Tools (SORT) is a set of web-based tools that supports Symantec enterprise products. For NetBackup, SORT provides the ability to collect, analyze, and report on host configurations across UNIX/Linux or Windows environments. This data helps to assess whether your systems are ready for an initial NetBackup installation or for an upgrade from your current version.

To access SORT, go to the following webpage:

https://sort.symantec.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.

- **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 Symantec enterprise products, tips for risk assessment, and product license tracking.

- **NetBackup Future Platform and Feature Plans**

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

Contacting Technical Support

Customers with a current support agreement may access Technical Support information at the following URL:

www.symantec.com/business/support/

Before contacting Technical Support, make sure you have satisfied the system requirements that are listed in your product documentation. Also, you should be at the computer on which the problem occurred, in case it is necessary to replicate the problem.

When you contact Technical Support, please have the following information available:

- Product release level

- Hardware information

- Available memory, disk space, and NIC information

- Operating system

- Version and patch level

- Network topology

- Router, gateway, and IP address information

- Problem description:

  - Error messages and log files

  - Troubleshooting that was performed before contacting Symantec

  - Recent software configuration changes and network changes

Licensing and registration

If your Symantec product requires registration or a license key, access our technical support Web page at the following URL:

www.symantec.com/business/support/

Customer service

Customer service information is available at the following URL:

www.symantec.com/business/support/

Customer Service is available to assist with non-technical questions, such as the following types of issues:

- Questions regarding product licensing or serialization

- Product registration updates, such as address or name changes

- General product information (features, language availability, local dealers)

- Latest information about product updates and upgrades

- Information about upgrade assurance and support contracts

- Information about the Symantec Buying Programs

- Advice about Symantec's technical support options

- Nontechnical presales questions

- Issues that are related to CD-ROMs, DVDs, or manuals

Support agreement resources

If you want to contact Symantec regarding an existing support agreement, please contact the support agreement administration team for your region as follows:

Asia-Pacific and Japan	customercare_apac@symantec.com
Europe, Middle-East, and Africa	semea@symantec.com
North America and Latin America	supportsolutions@symantec.com

About the NetBackup 7.6 EEB listing

This document includes the following topics:

- NetBackup 7.6 Emergency Engineering Binary (EEB) listing

NetBackup 7.6 Emergency Engineering Binary (EEB) listing

This release incorporates fixes to several known issues that existed with NetBackup. Many of these issues pertain to the customer-specific issues that have been documented in the form of Titan or Salesforce.com (SFDC) cases. Many of the fixes that are incorporated into this release are available as individual engineering binaries and engineering bundles (EEBs). These EEBs were created to address specific customer issues with a previous version of NetBackup.

The following table contains the known issues that were identified, fixed, and available to customers in the form of an EEB. NetBackup 7.6 resolves the addressed issues in each of these EEBs. Additional EEBs may have been released since this document was posted. For more information on the Etracks that are listed in this section, or any other service request Etrack, Symantec recommends that you use Symantec Operations Readiness Tools (SORT). To access SORT, go to the following Web page:

https://sort.symantec.com/netbackup

Alternatively, if you do not see an EEB that you expected to see in this document, or you require additional information about an issue in this table, contact Symantec Support.

Table 1-1   NetBackup 7.6 EEB Listing

Etrack Number	EEB Description
1077887	This fix treats the Loopback File System (LOFS) as a local drive for Solaris 10 Zone support.
1155270	This fix treats the Loopback File System (LOFS) as a local drive for Solaris 10 Zone support.
1165573	Zeta file systems on a Solaris 10 client are not backed up when the ALL_LOCAL_DRIVES directive is used in the policy configuration under NetBackup. The client is modified to treat it as a cross mount point backup.
1204968	When the Loopback file system is on a client, NetBackup treats it as a local file system. When the system is not on a client, NetBackup treats it as a Network file system. The fix for the client is a touch file openv/netbackup/TREAT_LOFS_LOCAL.
1377572	The Zeta file system (ZFS) is not backed up when the ALL_LOCAL_DRIVES directive is used.
1603726	When the Loopback file system is on a client, NetBackup treats it as a local file system. When the system is not on a client, NetBackup treats it as a Network file system. The fix for the client is a touch file openv/netbackup/TREAT_LOFS_LOCAL.
1679111	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
1789904	A one-time script was created to address a deassigning issue. The script will not be included in any other release vehicle.
1917878	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
1919347	The NetBackup Policy Execution Manager (nbpem) allows two FULL schedule backups to run on the same day from the same policy.
1977458	The time that is taken to shut down NetBackup services is high if the network goes down.
2063360	The time that is taken to shut down NetBackup services is high if the network goes down.
2063802	The bpbkar process core dumps when FlashBackup is run on HP-UX IA64 11.23, and finishes with a status code 130.
2073735	Multiple FULL backups can run at the same time on the same client.
2091100	The bpbkar process core dumps when a FlashBackup backup is run with the VxFS_Snapshot snapshot method on an HP-UX IA64 11.23 system.
2115317	The Veritas Mapping Service returns an error 4109 when Block Level incremental backups are enabled. The error occurs for incremental backups with the vStorage Application Programming Interface (API) on a large vmdk file.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2138872	An issue occurs when all_local_drives is used on Solaris 10 zones with a Loopback file system. The file system mount is identified as a separate mount and as part of the root file system. The issue conflicts with multiple entries for the same file.
2144264	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2149421	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2165121	Regardless of configuration, a Disk Staging Storage Unit (DSSU) backup schedule only runs once per day.
2171774	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2174275, version 2	The file bpbkar32.exe causes the Virtual Disk service to stop improperly.
2178146	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2184011	The time that is taken to shut down NetBackup services is high if the network goes down.
2185079	The bpbrm program may freeze if BPCD_GET_NB_VERSION_RQST does not complete. Other jobs freeze and cannot be cancelled.
2189585	Backups of 'EV_INDEX_LOCATION' return a partially successful status code 1 and the following message: 'WIN32 87: The parameter is incorrect'. The issue occurs when the index path that is configured in Enterprise Vault is manually modified.
2193082, version 1	This bundle contains many fixes for VMware.
2206134, version 4, 3, 2	This is a bundle of fixes for NetBackup Windows client backups and restores.
2206140, version 6, 5, 4, 3	This is a bundle of fixes for NetBackup Windows client backups and restores.
2207676, version 1	This bundle contains many fixes for VMware.
2212121	Synthetic full backup schedules do not get scheduled when all previous full backups have expired.
2219360	Windows Server 2008 System state backups can fail with a status code 1. That is caused by the implementation of an Extensible Firmware Interface(uEFI) boot partition.
2227103	The schedule recalculation after image expiration can skip a day.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2228059	The bpbkar process core dumps when a FlashBackup backup is run with the VxFS_Snapshot snapshot method on an HP-UX IA64 11.23 system.
2229220	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2244089, version 3, 2	This is a bundle of fixes for Windows client backups and restores.
2253416, version 1	This is a bundle of fixes for Windows client backups and restores.
2256525, version 4, 3, 2, 1	This is a bundle of fixes for Windows client backups and restores.
2271378	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2273391	A VMware backup hangs if a virtual machine is behind a firewall.
2278840	The time that is taken to shut down NetBackup services is high if the network goes down.
2299772, version 3, 2	This bundle contains many fixes for VMware.
2331090	In NetBackup 6.5.5, Bare Metal Restore experiences problems where the 'bpbrm -collect_bmr_info' command freezes on Windows media servers, although the import process successfully completes.
2331633	In OpsCenter 7.1, a Custom Tabular report does not sort the Client Name column.
2351900, version 3, 2	This is a bundle of fixes for Windows client backups and restores.
2355921	In the NetBackup console, the vStorage query builder corrupts queries when they consist of operands like "OR" and "AND".
2358033	The time that is taken to shut down NetBackup services is high if the network goes down.
2367085	In NetBackup 7.1, the bpbkar32.exe executable faults on a Mapped Linux Virtual Machine backup with the logical volume manager (LVM) configured.
2373499	Restores of 2.5 million files are processed for over 17 hours in the bpdbm program before they go active.
2376845	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2378477	Allow users to add a keyword to Microsoft SQL Server backups so that the images can be searched based on keyword from the Backup, Archive, and Restore interface.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2381571	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2385825	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2393120	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2394770, version 1	This bundle is a 7.1 hotfix combination of ET 2299772, ET 2256525, ET 2145207, and ET 2281357.
2414463	In Bare Metal Restore, the 'bpbrm -collect_bmr_info' command freezes on Windows media servers, although the import process successfully completes.
2416944	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2421597	Restores of 2.5 million files are processed for over 17 hours in the bpdbm program before they go active.
2429807	Root login to jbpSA is unable to perform an immediate backup/restore of Oracle.
2433801	The bprd program needs to be modified to support the 'bprestore' command line option '-disk_media_server' for tape.
2434869	A restore of a copy 2 from Optimized Duplication fails because the buffer size is different than copy 1 in the image header file.
2436160	Required to detect the exit status after client-initiated MS SQL jobs.
2436324	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2441838	The Tape Mount Request alert is not generated for restore jobs.
2478683, version 1	Large virtual machines cannot be restored because of a disconnected idle socket between the bprd and bpbrm processes.
2480123	Introduced a new keyword 'MEDIASERVER' for MSSQL batch file which will allow the user to specify the media server from where the restore should happen.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2484565	In both Windows and Java consoles, volume information displays incorrectly for disk sizes larger than 1 terabyte.
2485432	Exchange Granular Restore Technology backups end with a status code 1.
2489363	The Drive Utilization shows lesser utilization for jobs with a large number of fragments that run for a long time.
2492139	bpsetconfig does not preserve symbolic link path to bp.conf.
2493517	Allow users to add a keyword to the Microsoft SQL Server backups that get initiated by the client.
2513073	The File Count Variance report does not accurately calculate the average number of files that are backed up when the backups are multistreamed.
2519076	When two backups start on the same Windows client, both bandwidths are halved.
2526473	FlashBackup restores of millions of files are queued for many hours before they go active.
2529191	The NetBackup service group does not go offline after a network link goes down.
2532142	in some cases NDMP Backups to an OST device will cause restore failures
2532199	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2534647	NetBackup services take a long time to shut down when the IP address goes down. This issue causes long delays in cluster failover.
2535076, version 3, 2, 1	This is a NetBackup 7.1.0.2 Data Mover EEB Bundle.
2535095	Dbbackex.exe does not wait on the command prompt until the backup operation completes for the client-initiated MS SQL jobs.
2557732	The Advanced Success Rate report does not include multiple stream backups.
2559533	HPUX 11.31 client with large bundle.dat size fails to import.
2562179	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2562242	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2562537	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2563662	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2565104	The bandwidth throttle freezes when a second backup starts on the same Windows client.
2567947	If multistream and multiplexing backups are configured to a deduplication storage unit, a disk pool down situation results because too many connections are open.
2580249	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2580250	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2583566	This fix enables the use of the touch file, USE_BACKUP_MEDIA_SERVER_FOR_RESTORE for restore jobs. The touch file allows the media server that was used to perform the backup operation to be selected.
2583875	After an upgrade from 7.0 to 7.1, a browse for the SQL client fails with a status code 23 and causes a bpdbm application fault. The following error message appears: 'unexpected return value from db_FLISTreceive'.
2586848	Backups can cause the bpbkar32.exe executable to core dump in the MSVCR80.dll module.
2591566	Unnecessary string conversions during the creation of the preview list can cause large delays in NetBackup Vault jobs.
2595168	Column headers are covered up when EXPORT_MESSAGE_TEXT headers are used on exported reports.
2597039	Java GUI does not restore files contained in a directory with meta-character '*' in the name.
2597829	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2600512	OpsCenter does not generate Media Required For Restore alerts.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2601560	After an upgrade from 7.0 to 7.1, a browse for the SQL client fails with a status code 23 and causes a bpdbm application fault. The following error message appears: 'unexpected return value from db_FLISTreceive'.
2603300	Attempting to restore from a large Network Data Management Protocol (NDMP) backup can cause the NetBackup Database Manager (bpdbm) to fail with status code 220 and "memory map failed."
2603921	This EEB contains two changes. 1. The Microsoft SQL agent requires a parameter similar to the NB_ORA_DISK_MEDIA_SERVER parameter that is available in the Oracle agent. 2. The bprd progams must support the 'bprestore -disk_media_server' command.
2605325, version 2	This is a SAN Client EEB bundle for the NetBackup 7.1.0.2 release.
2611554	If the SQL database has excessive Filegroups associated with it, the restore fails with the error 'socket write failed'.
2612736	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2614754	Required to detect the exit status after client-initiated MS SQL backups.
2619988	Restore Audit Records do not contain the alternate client restore information.
2622505	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2632959	Added a retry that will wait 60 seconds between each retry for the Deport command.
2634956	Virtual machines with multiple Windows installs do not map all volumes. Changes have been made to allow correct mapping for multi-boot virtual machines. This fix only fixes virtual machines that use boot.ini.
2634978	Snapshots are sometimes not cleaned up correctly. The bpfis -delete command is called even though the bpbkar process still runs. The disk lease release happens after the snapshot removal call.
2635645	Directory index AllocatedSize attribute problem.
2636625	The bpdbm process can cause duplications that run for a long time to timeout from apparent inactivity.
2637606	When the close_server command is not called for a multiplexed backup to a PureDisk Deduplication Option storage unit, severe resource leaks result.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2638897	A FlashBackup restore on a Solaris 7.0.1 master server fails with a core dump issue and a SIGBUS error due to unaligned memory access.
2639354	The Deduplication Manager (spad) process sometimes fails during backup and duplication jobs.
2640975	On a UNIX client, Bare Metal Restore fails when the media server is on a subnet other than that of the master and client servers.
2641347	For Microsoft Cluster Server(MSCS) NetBackup Cluster API enumerates node ids from 1. If NODE ID 1 is not present Cluster API fails to detect nodes in cluster and return with error 30014.
2641589	When the IP address goes down and a cluster tries to shut down NetBackup services, it takes a large amount of time. This issue causes a delay in failover.
2643743	NetBackup can have performance problems due heavy use of stat's on config and license files.
2644017	A Verify of Exchange Info Store backup fails because of a raw partition size mismatch in the catalog and the tar header.
2645285	Throttling is sometimes not followed when it is set.
2648559	The default instance is skipped from a backup. The issue occurs when a 32-bit MSSQL default instance is installed on a 64-bit server and SQLINSTANCE $ALL is specified in an MSSQL batch file.
2649093	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2649165	If a backup is performed with a large user.dat file while that user is logged into the system, a successful backup may not be restorable.
2649340	On a HP-UX 11.31 system, Bare Metal Restore shared resource tree creation fails if the system host name is longer than 8 characters.
2649695	The kilobytes per second field in the NetBackup Job Monitor shows impossibly high values.
2650641	OpsCenter does not generate Media Required For Restore alerts.
2650649	An alert is not generated when a restore job is in the waiting state because of unavailable media.
2651159	Performance issues occur when views are exported.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2653356, version 2, 1	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2653530	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2654222	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2655015	The Media Required for Restore alert is not generated.
2655171, version 1	Verify jobs and optimized duplications from a PureDisk Deduplication Option (PDDO) storage unit fail with the following error: "media open error (83)".
2655967	The File Count Variance report does not accurately calculate the average number of files that are backed up when the backups are multistreamed.
2657085	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2657218	The NetBackup Service Layer queue gets filled up, which causes data collection to fail with a socket 25 error. The issue occurs when a large number of events occur that fill up the queue.
2657515	An "unmap all" command fails on configurations that have Solaris zones on Veritas Volume Manager. Also, disk groups fail to map because of a lack of available space.
2658267	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2658486	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2658500	Log messages longer than 1024 characters can cause problems for setup.exe.
2659374	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2659936	A Verify of Exchange Info Store backup fails because of a raw partition size mismatch in the catalog and the tar header.
2660424	The nbstserv process fails sometimes while it stops. An ImpMgrDBPoller thread has been fixed that polls to update the import job statuses in the database.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2660588	For a VMware Intelligent Policy, the bperror process reports a client name as the media server instead of the virtual machine that failed.
2660635	An issue occurs on a clustered master server when nbemmcmd -changesetting is run for a setting that does not exist. If a cluster name is passed, it shows an invalid host name and the setting is not added. The command works if an active node name passes.
2660720	Disk staging storage unit schedules are deleted and scheduled relocations do not automatically run if some extra files are present in the db/sched directory.
2660733	Image Verify and Optimized Duplications from a PureDisk Deduplication Option storage unit fail while the storage unit reroutes. The following error occurs: "media open error (83)".
2660807	The bpduplicate process receives a malformed message that causes it to freeze. The bpduplicate process properly handles the error message and stops the job. The issue occurs because an OpenStorage plugin problem causes the bptm process to core dump.
2661041	Files cannot be restored from the virtual machine backup images that are duplicated to the ndmp drive (Physical Tape Library) through an ndmp DirectCopy.
2661815	Some clients get marked as 'Deleted' even though they are part of an active policy.
2661839	Restores of 2.5 million files are processed for over 17 hours in the bpdbm process before they go active.
2662754	On an HP system, media shared resource tree creation fails if the volume group size is greater than 64 megabytes.
2662992	The Job Collector fails to restart after a failure.
2663636	The nbrb call to ListMachineConfig() to read nbrb-specific configuration settings fails. The nbrb process does not honor the user-specified nbrb settings and uses the default settings.
2663639	Oracle exports fail with a status code 41 if too many columns are in the table.
2665453	Image Verify and Optimized Duplications from a PureDisk Deduplication Option storage unit fail while the storage unit reroutes. The following error occurs: "media open error (83)".
2665486	This fix enables the use of the touch file, USE_BACKUP_MEDIA_SERVER_FOR_RESTORE for restore jobs. The fix allows the media server that was used to perform the backup operation to be selected.
2668324	Oracle snapshot backups that use the Hitachi_ShadowImage method fail when there are more than 128 configured devices. The bprd process does not allocate enough buffer to handle a complete spec string while it sends to the XBSA process.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2670867	A Volume Shadow Copy Service (VSS) import on a common alternate client for two different hosts fails due to a VSS limitation in the ImportSnapshot. Tried to serialize the two processes at VxFI level.
2672447	A Sybase engine fails to use all physical processors that are available on the machine.
2672578	The Virtual Client Summary report lists the same client multiple times, and with 'Exists in Policy' equal to 'No'.
2673580	OpenStorage Direct Copy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2673742	'OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.
2674199	An error occurred while executing script '/usr/openv/netbackup/bin/cluster/util/cluster_mvnbdb'.
2674385	A missing field in an image database fragment record causes NetBackup Vault to core dump because it tries to copy data from a NULL pointer.
2675034	With NBAC enabled, unable to login and operate NetBackup with a non-root user who does not have write permission in his home directory.
2675339	The file system of a Linux virtual machine cannot be mapped, yet backups show a status code 0.
2675346	PowerShell commands timeout when checking the Exchange Web Services (EWS) permissions of the admin user
2676032	The nbsl event queue becomes full if the job update influx is too large. This issue causes a job collection failure in OpsCenter.
2676500	The 'Rename hard links' and 'Rename soft links' functions do not work during a single file restore from a mapped FullVM backup.
2677495	Some VMware Backups to MSDP are failing with Status 13 and 84s
2677632	Simple Network Management Protocol alerts are logged, but they are not seen on systems with external tools.
2679107	Restores of 2.5 million files are processed for over 17 hours in the bpdbm process before they go active.
2680044	Mapped FullVM backups intermittently report the following error: 'ERR - Unable to read next index. VFM error = 4109'. Virtual machines with multiple Windows installs do not map all volumes.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2680699	On Solaris, a Veritas Volume Manager disk group fails to map because of a lack of available space.
2680782	Long running SAP backups fails with status 6
2681086	The bprd process tries to send a large xml file to the bpvmutil process through the bpcd process. Changes have been made so that the bpvmutil process can handle large files.
2681770	Half-inch Cartridge media is not reported correctly for Backup Exec.
2682953	High CPU utilization occurs if the bpgetconfig -s client name -l A command is called for a 6.5 client. The command waits for a response from the bprd process, which is trapped in an infinite loop because of corrupt data from the bpcd process.
2682994	The nbcatsync process does not recognize compressed image catalog files.
2683975	After an upgrade to NetBackup 7.1.0.3, high CPU utilization occurs from a number of bpdbm processes.
2684057	The nbsl process fails during a shutdown.
2684218	On a UNIX client, Bare Metal Restore fails when the media server is on a subnet other than that of the master and client servers.
2685232	An unnecessary statement has been removed that causes an error message in the log file.
2685598	The Commit_CallAtPostInstallDll custom action fails during a NetBackup client installation on Windows.
2686819	The nbsl process does not send the image updates that are subsequent to initial data collection for OpsCenter.
2687832	A restore on a Microsoft SQL clustered master database sporadically fails, although the master database is restored and recovered successfully. The SQL Agent interface fails when the SQL server connection properties are set.
2689373	Apache Tomcat 6.0.35 patch for OpsCenter 7.1.X and 7.5
2689850, version 3, 2, 1	This fix addresses an issue related to the catalog and Disk Staging Storage Unit after an upgrade to the 7.5 release.
2689973	The nbstserv process fails sometimes while it stops. An ImpMgrDBPoller thread has been fixed that polls to update the import job statuses in the database.
2690308	A Network Data Management Protocol (NDMP) restore fails with status code 27 and a NetBackup tape manager core dump issue after the end of tape is detected.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2690734	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2690849	A new synthetic schedule fails with a status code 200. The issue occurs because deleted schedules are not removed from the streams file.
2691423, version 1	7.1.0.3 EEB bundle for VMware. The bundle contains following Etracks: ET 2700841 ET 2670418 ET 2651598 ET 2651598 ET 2634978 ET 2694026 ET 2694027
2691902	A System State restore finishes with status 1 due to a GUID mismatch.
2692323	The database freezes and the dbsrv11.exe program does not terminate when services are stopped.
2694003	An unnecessary statement has been removed that causes an error message in the log file
2696232	The nbsl process fails when OpsCenter connects to it.
2697416	The NetBackup Job Manager core dumps in the Xerces library, which causes backups to fail with a status code 50.
2698601	VMware Backups of 2 larger linux VMs are intermittently faulting bpbkar
2698772, version 2, 1	Prerequisite for using Replication Director feature with NetBackup 7.5.
2698773, version 1	This EEB is a prerequisite to use the Replication Director feature with NetBackup 7.5 General Availability.
2698895	A restore to an alternate path is successful, but the file is restored to its original location.
2699258	LIMIT_BANDWIDTH does not work as expected for Windows clients.
2699739	The 'seed message' is not getting created during a successful restore.
2700371	During VMware backups, the nbpem process fails because an assert consistence check fails.
2701424	Node names are presented in an invalid format on VCS clusters with GCO option, preventing cluster installation.
2703802	Job Data Collection goes into a queued state.
2703874	AIX Master server and Media servers are sending DNS-queries to the top- www.domain.
2704490	The script BMR-FirstBoot errors out to a command line. The issue occurs if it cannot communicate with the master server to update the task status and stays active for any reboots.
2704580	If the Windows Remote Administration Console is not connected to the first server on the list, it gives the following error message: '(46) server not allowed access'.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2704902	Oracle exports that run for a long time fail with a status code 41. The issue occurs if the Oracle user's .profile or .rc files have statements that write to STDOUT.
2705452	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2705693	The console limit is 200 collectors per agent.
2705855	Simple Network Management Protocol traps are no longer sent after a server upgrade to Windows 2008 R2 x64.
2706969	Restore Audit Records should contain the alternate client restore information.
2707600	FORCE_RESTORE_MEDIA_SERVER is not honoured when restoring VM from a set of backup images.
2708292	Fibre Transport Media Server configuration scripts nbftsrv_config and nbftserver have been modified to fix kernel identification issues for RHEL 5.x OS versions with patches.
2708799	A SharePoint 2010 backup fails with the following error: "status 13. ERR - failure reading file: Microsoft SharePoint Resources:\Services\SPUserCodeV4/Metadata".
2708817	Drive unloads may be unsuccesful when the drive is not ready in time. The access bit is still 0 at that time.
2709105	The nbfsd process receives the same in-progress image multiple times from the bpdbm process.
2710406, version 2, 1	This is a bundle of NetBackup 7.5 Catalog EEBs.
2711805	Current Wildcard expansion does not sort the file list. Hence a checkpoint restart job would skip files that get sorted before CPR files but not backed up.
2713034	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2713179	The master server enters a partially connected state when OpsCenter is unable to parse non-English localized messages that are returned from the Sybase database engine.
2714729	In the NetBackup-Java Administration Console, the password cannot be changed. This issue occurs when credentials of an existing configured volume client server are modified from the credentials node.
2714742	Cannot map volumes on one Windows virtual machine; VxMS shows errors; the backup and archive manager (bpbkar) shows "Found 0 virtual volume(s)" and does not map any volume.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2714761	Drives take too long to become ready for the access bit to be set to 1.
2715340	An XML export of an Oracle table fails if Oracle's reserved keywords are used as column names.
2715544	The bpbkar socket gets closed by the media server firewall when the bpstart_notify process runs for too long.
2715878, version 1	When an AIR import needs to be retried, the ImageWriteMetadata query freezes and causes EMM to freeze as well.
2715916	The bperror process reports a client as the media server in a VMware Intelligent Policy that uses a query for client name selection.
2716950	VMware backups appear to hang after "Begin Writing" in the job details.
2717097	A non-root user cannot perform VM restores from the Java GUI with NBAC enabled
2717337	A restore on a Microsoft SQL clustered master database sporadically fails, although the master database is restored and recovered successfully.
2717447	NetBackup services do not shut down in a timely manner when an IP resource becomes unavailable.
2717950	OpsCenter's 'Low Available Media' alert policy counts only the media actively used by NetBackup and thus generates false alerts.
2718308	A NetBackup for Oracle restore fails after all the data is restored with a client read timeout.
2718315	Unable to connect to BE servers if password contains HTML characters
2719131	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2719194	Since upgrading to 7.5 (from 7.1.0.3) most SLPs are not running. The logs state the media servers aren't accessible.
2721045	The NetBackup Policy Execution Manager (nbpem) intermittently becomes unresponsive to nbpemreq commands and may schedule jobs later than expected.
2722564	When browsing for NDMP backup entities via Java GUI, it goes into the spinning clock and hangs.
2724681	For the bpcd and bpbrm processes, backups fail with the following message: 'status: 229: events out of sequence - image inconsistency'.
2726414	The Java ViewBuilder does not sort the list of unassigned objects like Veritas Backup Reporter does.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2726431	Disk staging storage units fail with a status code 228 after an upgrade to 7.5. The policy execution manager logs state that migration is not complete even though it is.
2727495	Simple Network Management Protocol traps are no longer sent after a server upgrade to Windows 2008 R2 x64.
2727602	OpenStorage Direct Copy duplications of non-Network Data Management Protocol images can be corrupt under certain tuned buffer size settings.
2727932	Mail stub items created by the Zantas EAS archive product were restored as normal mail items, which led to problems using them. Stubbed zero-byte attachments were also not restored.
2728069	NetBackup services do not shut down in a timely manner when the IP resource becomes unavailable.
2729052	The script BMR-FirstBoot errors out to a command line. The issue occurs if it cannot communicate with the master server to update the task status and stays active for any reboots.
2730066	in some instances snapshots are left behind
2730113, version 1	SAN client backups are failing with status 83, errors report that shm cannot be allocated, and all shared memory slots (pipes) are active
2731766	Drive unloads may be unsuccesful when the drive is not ready in time. The access bit is still 0 at that time.
2732224	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2732327	AIX Master server and Media servers are sending DNS-queries to the top- www.domain.
2732347	If either UpdateBars or UpdateDatabase permissions are added to the Media Resource, a non-existant Up permission is also added.
2732786	The nbsl process fails during a shutdown.
2733375	Multiplexed restore hangs as soon as a request for files from a backup comes where the first file is at previous position on the tape.
2734894	The lbc or bpcd process may cause an exception during a granular restore from duplicated backup images. This issue occurs because of certain special characters that the NetBackup client does not handle correctly when it sends to the catalog.
2735618	NetBackup OpsCenter issue.
2738005	The file system of a Linux virtual machine cannot be mapped, yet backups show a status code 0.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2738041	The bpplinfo process core dumps when the user tries to get index server information.
2738043	The Zeta File System root pool fails to mount during a restore.
2738296	VMware backups appear to hang after 'Begin Writing' in the job details.
2739820	The schedule tab in policy in Java Admin Console hangs whenever a user overrides the storage selection with a SLP.
2740694	NetBackup Service Layer issue.
2740977	In Device Configuration Wizard when selecting a media server and just one NDMP host to scan, resulting screen shows robots connected to all NDMP hosts.
2741249	No data is restored from a network data management protocol backup. The bptm process exits with a status code 0.
2742272	Virtual machine backups with parentheses in the display name fail with a status code 26 when block level incremental backups are enabled in the policy.
2742386	High CPU utilization occurs because multiple nbproxies wait for a response from the bprd process. The process gets stuck while it parses the version file contents of a client host.
2743111	After an upgrade to 7.5, Exchange granular activity logs more at a bpconfig debug level of 0. The issue occurs even when the ncflbc folder does not exist.
2744371	The backup history cannot be browsed after a backup of MS SQL with special multiple FILESTREAM data containers.
2744407	LIMIT_BANDWIDTH does not work as expected for Windows clients.
2744480	Drive unloads may be unsuccesful when the drive is not ready in time. The access bit is still 0 at that time.
2744563	After an upgrade to 7.1.0.4, snapshot completions are slower.
2745114	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2745523	Fixed the issue of Day window filter selection criteria not working correctly for some combinations for custom report.
2746427	Calendar schedules run multiple times if retry after run day is set and backup window spans midnight.
2747595	A one-time script was created to clean up orphaned storage lifecycle policy images. The script is not included in any other release.
2748575	bpbkar crashes when mapping a Linux VM

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2748607	For Solaris, a Veritas Volume Manager disk group fails to map because of a lack of available space.
2748951, version 1	Bundle of fixes for NetBackup 7.1.0.4 SAN Client Fibre Transport media server issues.
2749290	No data is restored from a network data management protocol backup. The bptm process exits with a status code 0.
2750023	Several NetBackup commands that execute during installation return unexpected status codes.
2750024	Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut fail to restore from the NetBackup-Java Administration Console.
2750798	The 7.5 NetBackup Windows installers are unable to import hosts from a list on Windows 2008 and later.
2751496	bpnbaz individually set permissions do not always work as expected
2751543	Root users on UNIX and the users that belong to local administrator groups on Windows can modify NetBackup Security settings. They can modify the settings even when they are not in the NBU_Security Admin group.
2752620	In a DAG with three nodes A1 (prod), P1(prod), and P2(DR), if passive then active is selected as the database source for backups, and if the P1 node is down, than backups would occur from P2, which is at a DR site, resulting in WAN traffic.
2752754	The NetBackup resource broker (nbrb) process does not honor the customer-specified nbrb settings. Instead it uses the default settings.
2753077	Restores of 2.5 million files are processed for 17+ hours in bpdbm before going active - APP_2.0.2 code.
2754057	An Exchange restore fails with status code 37 if a fully qualified domain name is used. The problem can be seen in the bpbkar and the bpfis process logs during the backup time where the fully qualified domain name gets appended twice.
2754142, version 6, 5, 4, 3, 2, 1	Backup using SQLINSTANCE $ALL on SQL2008R2 server fails; Master database restore fails on MSSQL cluster setup,"Error encountered trying to read database images" while browsing images; TRXLOG backup aborted when TRXLOG and diff backup run simultaneously.
2754186	NetBackup Enterprise Vault Migrator has improved migration performance. NetBackup Enterprise Vault Migrator backups are 22 times faster than the previous NetBackup Enterprise Vault Migrator.
2754769	Attempt to change vault 'media access port to use' gives status 42

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2755281	OpsCenter data collection for Fat Pipe data collector fails for some NetBackup servers with the error "Unknown reason".
2757013	VMware backups appear to hang after 'Begin Writing' in the job details.
2760065	Nbcatsync does not recognize images stored somewhere other than a directory named db/images.
2760478	On Windows platforms, a performance issue occurs when backups are run with a number of bpdbm processes with NetBackup Access Control set to ON.
2761973	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2762120	Full Text (FT) catalogs in databases that are skipped by dbbackup cause the restore image browse session to fail.
2762728	If the Windows Remote Administration Console does not connect to the first server on the list, it gives the following error message: '(46) server not allowed access'.
2762849	The nbsl process fails during a shutdown.
2763529	On a Linux client with an encrypted file system, a Bare Metal Restore backup fails with a status code 1.
2764452	7.5 Upgrade fails due to bpup delays starting Sybase
2765089	AIX master server and media servers send DNS queries to the top-level www domain.
2766310	An Exchange GRT restore failed to restore user mailbox with a display name containing '[' and ']'.
2767301	The media server name is not displayed after a tape mount request alert.
2767420	VMware jobs fail with a status code 1001. XML files that exceed 256 kilobytes truncate when retrieved from a Sybase database. The Sybase odbc driver sets the default maximum data size to 256 kilobytes. If the data is too large, the limit is overridden.
2768959	A part of the Windows registry backup can fail but still report a status code 0.
2769014	In NetBackup 7.5, an OpenStorage Direct Copy to a tape no longer works.
2769435	If a stream finishes more than 30 minutes before the parent job terminates, the policy execution manager may fail.
2769723	On an AIX client with a volume group that has multiple disks, and logical volumes spanning multiple disks, a restore may fail after all disks are unmapped and then mapped back again with the "Keep original disks" option enabled.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2769725	During VMware backups, the nbpem process fails because an assert consistence check fails.
2769877, version 1	This is a bundle of Windows Client fixes for 7.1.0.4.
2769890	A part of the registry backup on a Windows client can fail but still report a status code 0.
2769980	Virtual machine data collection creates an additional entry for clients, even if the client already exists in the database.
2770016	An SQL query for retrieveDSSUMigrationState needs to be case-insensitive.
2770628	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2770725	VxMS does not map one of the two volumes in a Linux virtual machine.
2771250	nbgre.exe dumps in while restoring a document in 7.5.0.1
2771679	VMware incremental backups fail with status 13,84 to MSDP STU only, because of reading same byteoffset for the same file more than once.
2772323	A non-root user cannot perform VM restores from the Java GUI with NBAC enabled.
2772490	The NetBackup Access Control configuration is erased after a 7.5.0.1 patch installation on Windows.
2774914	Bpbkar32.exe faults on rvpntfs.dll during Mapped FullVM backup.
2776037	Active Directory Granular Backups fail when performing Cumulative or Differential backups.
2776057	Incremental DFSR backups via Windows Shadow Copy Component path are forced into FULL backups.
2776250	The last file of an OpenStorage Direct Copy duplication of a non-NDMP image can be corrupt under certain tuned buffer size settings.
2776251	The last file of OpenStorage Direct Copy duplications of non-Network Data Management Protocol images can be corrupt under certain tuned buffer size settings.
2776319	The Restore buttton within the Java BAR does not open the 'Restore Marked Files' when using Menu Option Active/Search or icon 'binoculars' unless the resulting directory structure is expanded.
2776387	Percentage option not available for Success Rate calculation in Custom Report
2776687	LIMIT_BANDWIDTH does not work as expected.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2777580	The OpsCenter-generated 'Mount Request' alert does not show the Media server name.
2777715	NetBackup Enterprise Vault agent leaves the Vault Stores in backup mode for the entire duration of backup.It should be unquiesced as soon as snapshot is taken
2777756	Incomplete VMs in VIP result query.
2778989	This EEB has a modified nbftsrv_config script for cases when the script creates duplicate entries in driver_aliases. The issue causes excessively long configuration times on a Solaris 10 SPARC Fibre Transport media server.
2779140, version 1	NetBackup 7.5.0.1 SAN Client Fibre Transport Media Server EEB bundle
2780489	Modifying SLP parameters GUI does not pick up previous retention values.
2780624	A Sybase engine fails to use all physical processors that are available on the machine.
2780752	This EEB will resolve an issue with the verify of Exchange images on a Unix media server when the Exchange images contain total log files for a database over 1 GB in size.
2780818	Netbackup SQL Agent backed up images not by sorted by date.
2780825	Corrupt .f file causes bpflist to consume CPU/memory until bpdbm process is killed.
2782219	After an upgrade to 7.1.0.4, snapshot completions are slower.
2782418	NetBackup Service Layer issue.
2782546	Unable to renew credential obtained by bpnbat -login Fix provides new option bpnbat -RenewCred [-cf file]
2782621	Bpbkar sends incorrect file size to bpbrm which results in Media Manager waiting for additional blocks to be sent by bkar while bpbkar waits for bpbrm to send completion status. This results in a hung backup job.
2782901	Performance and scalability issues with the PureDisk Deduplication Option (PDDO) metabase.
2783537	bpstsinfo -comparedbandstu not detecting images confirmed to be ONLY ON STORAGE because it is unable to handle PureDisk MB db basename structure.
2783940	A VMware backup hangs if the virtual machine is behind a firewall.
2785439	Image Cleanup fails with Status 174 when 'incompatible segment size 1' is found on a corrupt DO.
2785499	DSSU Relocation jobs end with a Status 190; Skipping backup id 'it does not contain data'

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2785535, version 7, 6, 4, 3, 2, 1	NetBackup Policy Execution Manager (NBPEM) crashes when it runs VMware Intelligent Policy (VIP) backups.
2786954	The NetBackup 7.5 bpimagelist CLI omits automatic images for stream-based backups that lack fragments. The Netbackup image listing code was fixed to allow the listing of 0 fragment images created by the automatic schedule of stream-based DB backups.
2787723	No data is restored from a network data management protocol (ndmp) backup with remote ndmp. The bptm process exits with a status code 0, but the job freezes.
2788379	Handle the migration to the 7.5 NetBackup relational database (NBDB) of archived images correctly. Correct bpcatlist logic to properly report the images that are online or offline.
2788495	Due to the SF limitation of 18 maximum characters on Windows, unique import DG name functions end up careting the same name for almost matching hostnames on different source clients.
2788622	If bpexpdate -recalculate is executed without an additional -d or -ret command line switch after changing retention levels, NetBackup might incorrectly recalculate the new expiration date to occur some time in the past, and immediately expire the image.
2789162	Netbackup report 'Images on media' does not show images as encrypted when KMS-based encryption is used.
2790067	Jobs updates missing during data collection by OpsCenter.
2790719, version 1	When a transaction log backup image for restoring from the SQL Agent is clicked on, the agent crashes.
2792244	Attempt to change vault 'media access port to use' gives status 42
2792286	Solaris iSCSI host bus adapters (HBAs) do not work with NetBackup.
2792621, version 4, 3, 2, 1	OpenStorage Technology (OST) DirectCopy duplication jobs from Quantum DXi-series to tape fail with status 85 on the second fragment. The last file of OST DirectCopy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2792733	The nbftsrv_config script does not check for EFI partitions when it looks for grub.conf and does not use correct image file when running the mpp kernel.
2792796	KMS backups do not update the KMS tag field in the image header in the catalog. bpimagelist of KMS encrypted backup image show KMS key tag as NULL
2794722	The nbsl process fails during a shutdown.
2795138	Orphaned .po files in the catalog generate false 'fakeFPCheck' messages.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2795505	'Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut do not restore properly from the NetBackup-Java Administration Console on a Windows client.
2796691	Prepare To Restore fails to properly load drivers for lsi_sas2.sys and megasas2.sys.
2796777	Cannot restore folders or files with non-ASCII characters (UTF8), such as German letters with an umlaut.
2796782	Cannot restore folders or files that have non-ASCII characters (UTF8), such as German letters with an umlaut.
2797031	7.5.0.1 VMware Backups give Status 84 when sent to MSDP storage
2797547	The 'PEM_USE_SAME_HOST_BY_NAME' environment variable is not honored. After the fix, the 'PEM_USE_SAME_HOST_BY_NAME' environment variable can be disabled to stop the alias name lookups.
2797723	A tmp file for Sybase grows too large.
2798823	OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.
2798954	Tabular Backup Report doesn't filter on Active Policies
2799152	The behavior of Expiration Manager (expmgr) was fixed so that it now takes into account all the nodes of the cluster which has the Disk Staging Storage Unit (DSSU) attached for the disk clean-up activity.
2799891	When using the NetBackup Administration Console to decrease the 'job priority' of active/queued jobs, the console loses job details and shows a "Not connected, check if services are up" message.
2800657	Thread unsafe code in the Initialize() function of the xerces parser causes the NetBackup Job Manager (nbjm) to core dump.
2800797	OpenVMS backups fail with status: 229: 'events out of sequence - image inconsistency' for bpcd and bpbrm.
2802239	The NetBackup nbdecommission utility can core dump when bad characters are found in a disk pool name.
2802242	A SharePoint 2010 backup fails with the following error: "status 13. ERR - failure reading file: Microsoft SharePoint Resources:\Services\SPUserCodeV4/Metadata".
2803245	Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut do not restore properly from the NetBackup-Java Administration Console on a Windows client.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2804973	Deadlock detected in SQL Anywhere leads to BPDBM core dump
2805156	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2806900	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2806917	NetBackup OpsCenter issue.
2807345	Oracle partial rman restore on Solaris is failing after sending the data due to a timeout waiting for the final server status.
2807509	Storage lifecycle policy (SLP) duplications do not use Network Data Management Protocol (NDMP) direct copy.
2807759	nbgre.exe crashes while doing granular restore for a document.
2808183	Exchange Granular Recovery Technology (GRT) backups end with a status code 1.
2808424	The SharePoint 2010 granular backups failed with status 1.
2808669	NetBackup OpsCenter Reports issue.
2809569	Ops Center incorrectly invokes bpretlevel CLI while collecting data from a NetBackup 6.5.x master server
2809760	The NetBackup job daemon (bpjobd) tags successful catalog image cleanup jobs as ABANDONED with status activity monitor status 50.
2810453, version 1	EEB bundle of ETs 2780818 2410258 2182602 2653114 2762120 2687832 2249223.
2810891	Active Directory Granular Backups fail when performing Cumulative or Differential backups.
2811230, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2811916	Creation of logical volume never completes on RHEL6.2 client during BMR recovery time.
2812351	NetBackup OpsCenter issue.
2813345	When MS SQL server database batch files are run, at least one database fails on each server when the VDI timeout is reached.
2814178	NetBackup OpsCenter Alerts issue.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2815287	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2815395	NetBackup OpsCenter issue.
2815601	Restores of 2.5 million files are processed for 17+ hours in bpdbm before going active.
2815697	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2817435	Fix for short read returned by Quantum Plug-in when a read is issued on a offset that is not aligned to 256K boundary.
2817753	Problem creating an ATT cloud storage server when the Logical Subunit (LSU) object is not available.
2818069	This EEB addresses memory leaks in the NetBackup Enterprise Media Manager (nbemm) process.
2818297	NetBackup Java User Interface issue.
2818305	NetBackup Agent for UNIX Client issue.
2818929	Active Directory Granular Backups fail when doing Cumulative or Differential backups.
2819788	KMS encrypted backups do not update the KMS tag field in the image header in the catalog. bpimagelist of KMS encrypted backup image show KMS key tag as NULL
2819853	This is a fix for Fibre Transport component of a NetBackup Appliance version 2.5. Without this fix, AIX cfgmgr may fail to discover FT ARCHIVE Python target devices presented by the Appliance.
2820447, version 2, 1	OpsCenter shows wrong tape drive state for drives which are attached to an inactive cluster node of Veritas Cluster Server (VCS)
2820840	In NetBackup 7.5, a differential incremental catalog backup may not backup all data that it should
2823072	On Windows, SAP backups of files larger than 4GB fails.
2823451	VMware Intelligent Policy (VIP) VMware jobs failing with 196 or 200 errors when the parent starts before midnight, and the child attempt to run after midnight.
2823643	Expiring compressed images fail to remove the compressed files file data.
2823784	NetBackup OpsCenter View Builder issue.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2824058	NetBackup Java User Interface issue.
2824075	VMware Backups failing since upgrading to 7.5.0.x with Status 6 because of not giving the VDDK path to pick dlls
2824098	communicating issue between PureDisk and NetBackup sts API.
2824456, version 1	Detection of the exit status after client initiated MS SQL jobs. Allow users to add a keyword to MS-SQL-Server backups
2824762	Active Directory Granular Backups fail when performing Cumulative or Differential backups.
2825320	nbgre.exe dumps in while restoring a document in 7.5.0.1
2825411	The GRT restores of emails that have been archived using Enterprise Vault are not restored with the correct Message Class property.
2825590	VMware backups that use multiplex with load balancing option fail with status 58.
2825685	In NetBackup 7.5, a differential incremental catalog backup may not backup all data that it should
2825785	Restores of Hitachi NDMP data from Quantum Dxi device using OST solution fail to read image. Status 85 occurs
2827326	Restoring to an alternate database causes a check for the original file system drive letter on the target system. This check is not needed and can fail the job.
2827460	When a listing of backups is performed with the NetBackup MS SQL Client, a pop-up message is presented that states "Error encountered trying to read database images". When the date range is shrunk, a list of backup images is presented.
2827485	Duplication jobs end with a Status 190; Skipping backup id 'it does not contain data'
2827505, version 2, 1	The NetBackup Policy Execution Manager (NBPEM) core dumped as one of its components waited for the last backup data call to finish and another component terminated the child job.
2828281	Status 84 errors fixed and client-specific debugging provided.
2829051	An Exchange 2010 GRT restore does not correctly set the attributes of messages. That occurs because the EAS stub is not set.
2829119, version 3, 2, 1	A differential incremental catalog backup may not backup all data that it should. Expiration of catalog compressed images will not delete the compressed catalog data.
2830369	When the nbdeployutil Capacity report is run against multiple master servers the Summary tab has incorrect values for capacity figures.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2831181	nbjm dumps cores sometimes when operating with nbac enabled
2832342	After upgrade to NB 7.5.0.3 (from 7.1.0.4) multiple bpdbm processes appear to be using excessive CPU time.
2832647	'Images on media' report not showing correct information when KMS/drive encryption is used.
2833122	During Windows push installs, specifying a custom service account causes the account to not be granted the 'log on as a service' privilege on remote hosts. As a result, services do not come up following installation.
2833187	On Windows with NBAC enabled, anyone who is a part of local security administrators groups gets rights automatically to modify Netbackup security settings
2833456	Some VMware Backups to MSDP are failing with Status 13 and 84s
2833549	Disk storage units are not cleaned up properly, even though image duplications are done and the images are swept.
2834231	'Images on media' report not showing correct information when KMS/drive encryption is used.
2834734	Capacity licencing report shows wrong size after upgrade to OCA 7.5.0.1
2834967	NetBackup Java User Interface issue.
2835124	bpbkar on alternate client reads from local drive instead of snapshot volume in case of offhost alternate client backup, if the source client and alternate client have same drive letter to data volume.
2835941	bpVMreq does not run under a non-root account - need 7.1.0.4 EEB for ET2717097
2836252	NetBackup Service Layer issue.
2836564	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2836629	Issue with low deduplication rates on Network Data Management Protocol (NDMP) EMC client backups that have files with an Alternate Data Streams (ADS) header type.
2836642, version 1	OpenStorage (OST) direct copy duplication jobs from Quantum DXi storage devices to tape fail with status 85 on the second fragment. The last file of OST direct copy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2837588	Exchange DAG granular [GRT] restore for certain mailboxs fails with can't find e-mail addr
2837758	NetBackup Java User Interface issue.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2837865	NetBackup OpsCenter Custom Reports issue.
2838857, version 4, 3, 2, 1	Problems with '196 error' even though backup window is not closed. Calendar schedules rerun multiple times within the backup window.
2839225	STS reset has issues of event from PureDisk.
2839340	AIX 5.3 and 6.1 see unusual DNS queries to the top domain when NetBackup is running.
2839925	bpfis on alternate client fails with socket error. fixed bpfis to not send 'BACKUP START' message when on alternate client.
2841676	When using the NetBackup Administration Console to decrease the 'job priority' of active/queued jobs, the console loses job details and shows a "Not connected, check if services are up" message.
2842356	nbac_cron -SetupCron failing with "nbuadm.crat: No such file or directory"
2842604	When you attempt a restore of a virtual machine, the NetBackup Java Administration Console fails to browse the data stores and does not return any data.
2842657	On Linux, if an extended partition is present, then after an 'unmap all and map' operation, the partition gets set to W95 Ext'd (LBA).
2842910	Storage lifecycle policy (SLP) duplications do not use Network Data Management Protocol (NDMP) direct copy.
2843138	NetBackup OpsCenter Alerts issue.
2845277	Stops image Cleanup from failing with Status 174 when 'incompatible segment size 1' is found on a corrupt DO associated with the .info file.
2845830	The NetBackup capacity licensing report displays wrong size.
2846239	When FULL type MS-SQL server database batch files are run, at least one database fails on each server when the VDI timeout is reached.
2846809	Multiple jobs hanging when using fiber transport. The jobs will hang with 'Enter into sessionFCSetup: CR session ip xxx.xxx.xxx.xxx' being seen in bptm or plugin log. Eventually the concurrent job limit will be reached and block all jobs.
2847177	NetBackup OpsCenter Custom Reports issue.
2847745	On a Linux client that has an encrypted file system, a Bare Metal Restore backup fails with status code 1.
2848043	bpvmutil crashes while browsing vCenter to select VMs for the policy

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2848281	NetBackup OpsCenter issue.
2848883	NetBackup OpsCenter Data Collection issue.
2848890	SQL Server backups are successful, however, bphdb reports errors and dbbackex.exe crashes with c0000005 (access violation).
2849844	Synthetic backups using SLP storage do not use the correct image retention period.
2851012	Backup images with KMS encryption enabled does not list 'Encryption Key Tag' in reports
2851032	'Images on media' report not showing correct information when KMS/drive encryption is used.
2851412	Issues can occur with TIR fragment duplication if a fragment is larger than 2 GB in size.
2851888	Current Wildcard expansion does not sort the file list. Hence a checkpoint restart job would skip files that get sorted before CPR but not backed up.
2851981	Thread unsafe code in the Initialize() function of the xerces parser causes the NetBackup Job Manager (nbjm) to core dump.
2852225	Memory unaligned data members in structure caused a SIGBUS failure.
2853179	Bpdbm crashes on certain corrupt catalog files.
2853409	Setting 'snapshotprovidertype' on a 32bit Windows client does not change the provider at backup time.
2854954	Issue with low deduplication rates on Network Data Management Protocol (NDMP) EMC client backups that have files with an Alternate Data Streams (ADS) header type.
2855910	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2856434	Backups will fail if the file size is between 2032 - 2047 MB for accelerator backups.
2856652	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console incorrectly shows all backup media instead of showing only the media that is required to restore the selected files or directories.
2857559	Modifying SLP parameters in GUI does not pick up previous retention values.
2858130	Optimized duplications failing with error code 174 because of two .info files being present. The second .info file appears due to a case-sensitivity issue on the duplication resulting entries on the destination pool being stored in upper and lowercase.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2858615	This fix allows an ALT READ server to be included in a SLP with Opt Dupe capable devices even though the ALT READ server is not utilized. This is by design. MDS will determine which media server will run the Optimized duplication.
2860243	lifecycles using 'expire after copy' restart nbstserv,initial recovery session,'couldn't find source copy'; fault soon after The log entry couldn't find source copy, not an error; processing following is the problem
2860482	The LIMIT_BANDWIDTH parameters do not limit as expected for Windows clients.
2861752, version 1	When a transaction log backup image for restoring from the SQL Agent is clicked on, the agent crashes.
2862297	NetBackup Service Layer issue.
2862841	NetBackup Service Layer issue.
2863127	Restores of 2.5 million files are processed for 17+ hours in bpdbm before going active.
2863709	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange.
2863834	Policy views are not listed in the view filter for OpsCenter Custom Reports.
2864075	With NBAC enabled, anyone who is a part of local security administrators groups gets rights automatically to modify Netbackup security via the CLI by logging in as localhost.
2864629	An Exchange 2010 GRT restore does not correctly set the attributes of messages. That occurs because the EAS stub is not set.
2864713	Backups fail when a file '*NULL*' exists on the file system.
2864973	Hyper-V backups would fail with a status 156 and a status 1542.
2865123	6.5.4 bpdbm -inconsistency core dumping when encountering image corruption.
2865313	An incorrect RMLIB is being loaded by 64-bit NetBackup due to hardcoded libpaths used during dlopen(). The path was modified to refer to 64-bit Solaris version of RMLIB.
2865861	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
2866591	bpsetconfig does not preserve symbolic link path to bp.conf.
2867207	Network Data Management Protocol (NDMP) restores hang when using media server drives.
2867910	Module rvpntfs.dll or ntdll.dll causing bpbkar to fault during VM backups.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2868293	Long-running image cleanup jobs (more than 60 minutes) get flagged as abandoned in the job activity monitor, even though cleanup was successful.
2868381	A one-time script was created to address an issue with image cleanup. The script will not be included in any other release vehicle.
2869070	The NetBackup Administration Console for Windows shows an incorrect number of unique clients.
2869708	A one-time script was created to address a negative Disk Pool size.
2869805	The bmrprep process creates an empty diskdata file for a RedHat 4.8 client.
2870110	If simultaneous duplications of Exchange GRT backups are initiated from a staging disk storage unit (DSU), one of them fails with status 191.
2871441	Added SLES 10 SP4 drivers for Fibre Transport Media Server.
2871476	Solaris SAS-2 host bus adapters (HBAs) do not work with NetBackup.
2872233	Optimized duplications failing with error code 174. The issue appears to be a case-sensitivity issue on the duplication. Results in component entries on the destination pool being stored in upper and lowercase.
2873363	PDDE package is not upgraded when 7.5.0.3 is installed.
2873735, version 1	NetBackup Policy Execution Manager (NBPEM) bundle: contains various fixes related to performance issues and process crashes.
2873943	When backing up a UNC path on a NAS device from a Windows 2003 NetBackup client, performing an incremental backup immediately after a full backup results in another full backup when True Image Restore with Move Detection is enabled.
2874026, version 1	The NetBackup Policy Execution Manager (NBPEM) core dumps during an Exchange backup for an Application Protection-enabled job.
2874098	Tabular reports show columns in a different order every time when they are emailed.
2875138	AIX Master server and Media servers are sending DNS-queries to the top- www.domain.
2875719	Duplications for FULL VMware backup images are partially successful and reporting 'Error unlocking backupid'.
2876244	This EEB corrects issues where VMware incremental backups to MSDP storage unit would fail with status 13 and 84 due to saving extents on an embedded file.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2876322	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console incorrectly shows all backup media instead of showing only the media that is required to restore the selected files or directories.
2876501, version 1	SLP bundle for 7.5.0.3
2878491	Hyper-V backups would fail with a status 156 and a status 1542.
2878591	Optimized duplications failing with error code 174 because of the case-sensitivity issue for duplication. The issue results in component entries on the destination pool being stored in upper and lowercase.
2879211	Windows push installations fail during Virtual File Filter (VFF) driver installation.
2879821	On a UNIX client, Bare Metal Restore fails when the media server is on a subnet other than that of the master and client servers.
2879881, version 1	Synthetic backup will now be scheduled and job will fail by default when previous backups needed to form synthetic backups are not found.
2880341	NetBackup OpsCenter Reports issue.
2881600	NetBackup OpsCenter Data Collection issue.
2882171	On a Windows x86-32 master server, processing of very large Network Data Management Protocol (NDMP) image (greater than 50 million files) for verification, duplication fails with status code 220 and "memory map failed."
2882702	Restart jobs action is looking for permission 'delete'. Restart fails if permission 'delete' is not granted to jobs object even though a restart permission is granted.
2883301	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2883669, version 3, 2, 1	The backup jobs that queue across the midnight hour (calendar schedule) that then fail, do not retry.
2884702	When several state files are present on the master server, snapshot cleanup takes a long time to complete.
2884775	NetBackup Policy Execution Manager core dumped as one of its components waited for the last backup data call to finish and another component terminated the child job.
2886224	In some cases during a Network Data Management Protocol (NDMP) restore, a NetBackup Tape Manager (bptm) core dump issue occurs after end of tape is detected.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2886257	SAP backup of files larger than 4GB fail.
2886696	VMware backups to deduplication storage fail with Status 13/84. Type 6 84/13 on VMware backups to MSDP/any deduplication option.
2886785	NetBackup Service Layer issue.
2886811	A one-time script was created to address an issue with machine configuration. The script will not be included in any other release vehicle.
2887060	The Variance Reports are enhanced to support incremental jobs, deduplication jobs, and fractional variance values.
2887372	NetBackup 7.5 bpimagelist omits automatic images for stream-based backups that lack fragments.
2892912	An option is requested to set the number of times a snapshot is re-attempted.
2893439	Cannot browse the backup history after a backup of the MSSQL is performed with special multiple FILESTREAM data containers.
2895055, version 1	There are issues with VSS snapshots and 156 errors.
2895476	A backup of an Enterprise Vault partition that resides on a volume mount point fails with status code 71.
2896008	Windows\SYSVOL files do not get properly restored during Bare Metal Restore recovery.
2896508	This EEB addresses memory leaks in the NetBackup Enterprise Media Manager (nbemm) process.
2897157	This binary causes bpfis to communicate with bpbrm with every retry. If a job is canceled on the master server, the next attempted snapshot causes bpfis to start to shut down.
2897642	Database backups fail in bpdbm with the following message: "16 ReadVxDBMS_ConfFile: Cannot acquire lock path_to_lock vxdbms_conf.lock, problem:-1, error:(No such file or directory) 2".
2898214	OpsCenter database process (dbsrv11) is consuming nearly 100% of CPU on multiple processors.
2898741	In NetBackup 7.5.x, if retain snapshot is enabled and a snapshot exists from previous backup, when bpfis verify is triggered due to a policy change, the policy validation operation may fail.
2899844	The job daemon service (bpjobd) tags successful catalog image cleanup jobs as ABANDONED with the status activity monitor status 50.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2901119	A catalog cleanup job that runs for more than 60 minutes is flagged as abandoned (status 50) in the activity monitor.
2902839	NDMP restores are failing consistently with 'unimplemented error code 114'.
2903182, version 1	When attempting to browse backup images from one virtual SQL server, dbbackup.exe crashes with an access violation.
2903307	7.1.0.4 EEB for ET2692868 that create snapshot takes long time with non-default port.
2903596	OpsCenter's 'runstoredquery.bat' command line utility adds an extra trailing comma to the output when the report data gets exported in the Comma Separated Value (CSV) file format.
2903819	NetBackup OpsCenter issue.
2904606	When the priority of a queued or active job is changed, the STATE field of the job becomes blank and gets updated only when the job moves to the next STATE.
2906025	If BATCHSIZE is set to larger than 2, dbbackex.exe crashes with an access violation.
2906797	Auto Image Replication duplications do not import properly. The issue causes orphan images by looking for the event payload in the metabase if not found in the cache and eliminating extra cache refreshes.
2907417	STS reset has issues of event from PureDisk.
2909247	Bpdbm crashes after failed synthetic backups.
2909871	The tapes are not imported into the robot and inventoried automatically when the AUTO_UPDATE_ROBOT touch file is set.
2910415	Memory corruption occurs in bpbkar during media server copy. The issue is identified through out of scope memory access or a dangling pointer that is accessed and initialized after a free call in a previous iteration.
2911731	NetBackup Service Layer issue.
2912729	An unexpected error was encountered when the 'nbac_cron -SetupCron' command was run.
2912901	Windows push installations fail during Virtual File Filter (VFF) driver installation.
2915992	The image cleanup job is marked as abandoned in the Activity Monitor if it runs more than 60 minutes.
2916230	Attempts to restore some individual files from a Hyper-V backup fail.
2916262	The bpvmutil process crashes during a VMware backup.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2916430	A 'BUS_ADRALIN' core dump issue occurs with the backup and archive manager (bpbkar) due to unaligned memory access.
2917618, version 1	NetBackup Policy Execution Manager (NBPEM) bundle: multiple fixes related to VMware intelligent policy (VIP) backup failures and others.
2917706	The Backup, Archive, and Restore interface does not show the volume path if the volume has a period (.)in name.
2917954	Cleaning tapes will not unload after cleaning is complete if the robot does not set the drive access bit to 1.
2918205	The KMS tag is not displayed in the Windows or Java interfaces, even though it is displayed in bpimmedia/bpimagelist.
2918691	On startup, the SQL Agent interface is unable to retrieve SQL server properties from the registry to create an Open Database Connectivity (ODBC) connect string.
2920362	After an upgrade to 7.1.0.4 with NetBackup Access Control (NBAC) enabled on Windows, access denied errors are presented.
2920972	Linux media boot restores fail if ICMP is disabled on the network.
2921761, version 1	Contains fixes for MSDP package not being properly installed when 7.5.0.3 is applied and PDDO reliability improvements.
2921811, version 1	Backups with multiple copies can have the wrong expiration date when copy 1 has a later expiration date than the other copies.
2921893	The command bpexpdate -deassignempty -force fails if one of the media fails to deassign, which then causes all to fail to deassign.
2924638	On startup, the SQL agent interface is unable to retrieve the SQL server properties from the registry in order to create an Open Database Connectivity (ODBC) connect string.
2924806	1. path validation fails if we have wildcards, directives or key words for share point or exchange and those entries are skipped. 2. Index/backup from snapshot fails for alternate host scenario.
2924809	NetBackup Java User Interface issue.
2925091	Credentials containing '\Xyy' get converted to special characters (hex equivalent) in bpVMutil and therefore they fail authentication.
2925102	When you attempt a restore of a virtual machine in the NetBackup Java Administration Console, the 'Change' button fails to bring up a list of ESX servers. Instead, it shows an error message.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2925327	Bpdbm and nbstserv run slow and/or consume 100% CPU.
2926164	High cpu consumption by bpdbm when lot of user jobs are initiated at same time with NBAC enabled.
2926499	STS reset has issues of event from PureDisk.
2926500	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2926582	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2926792	Addresses regression where AIR imports consistantly fail with a status 191 in the 0904 build of NetBackup .
2926887	The 'Tapes Expiring Now' report displays an error when it is run after you remove a column from the reports display.
2927983	Duplicate mount points in an NDMP policy can lead to failed restores.
2928051	Multiplexed Network Data Management Protocol jobs hang.
2928342	Excessive Accelerator track log growth on 32-bit Windows clients when resuming a suspended checkpoint-restart job.
2929433, version 5, 4, 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.
2929594	The Virtual Client Summary Report incorrectly displays virtual machine IP addresses instead of host names.
2931076	Improvements were made to image fragment query performance.
2931422	VMware backups for various Red Hat Enterprise Linux servers fail with error 'db_FLISTsend failed'.
2931949	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange.
2932703	An Exchange database availability group (DAG) redirected restore to recovery database fails with the error 'MS-Exchange-Server policy restore error(2810)' because the restore looks for the path from where the backup was done.
2933044	VMware Backups are hung up in the beginning during the 'IsSystemBootedUsingEFIFirmware()' call, causing backups to fail with Status 41.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2934089	Bpbkar sends incorrect file size to bpbrm which results in Media Manager waiting for additional blocks to be sent by bkar while bpbkar waits for bpbrm to send completion status. This results in a hung backup job.
2934312	VMware backups fail with status 196 due to delays in getting the last backup data.
2935511	Setting a storage lifecycle policy (SLP) storage unit across multiple policies appears successful but it has changed to empty. When you change the storage unit from SLP to disk STU, the interface shows error: "status:223 an invalid entry was encountered".
2935722	In some cases when a snapshot job is canceled, the snapshot process continues on the client.
2935809	Catalog backup runs much slower than a standard backup of the same data
2936080	Retention Level is reported incorrectly by the NetBackup Administration Console for inline copy when the copy spans to another tape.
2936258	An attempt to create a point in time configuration for a Windows client fails with status 114.
2936380	Allows restores of VMs even if there are no networks returned from the VM query.
2936555	An Exchange 2010 DAG directive that uses an asterisk wildcard selects too many databases via bpresolver.
2936751	Unable to create an ATT cloud storage server using the wizard.
2937175	A clustered NetBackup 7.5 master server installation fails on Windows 2003 x86 within a Microsoft Cluster Server (MSCS) environment.
2937818	Status 1001 on VMware backups using VIP policy due to the failure in NetBackup Policy Execution Manager (nbpem) in reading XML message of length greater than 256KB from Sybase database.
2938527	NetBackup Service Layer issue.
2939805	The disk storage units are not cleaned up properly even though the image duplications are done and the images are swept.
2939816	The job daemon service (bpjobd) tags successful catalog image cleanup jobs as ABANDONED with the status activity monitor status 50.
2940636	Bpjobd tags successful catalog image cleanup jobs as ABANDONED with status activity monitor status 50 when the job runs for more than 60 minutes.
2941256, version 7, 6, 5, 4, 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2941748	ZFS config prevents recovery of the entire system if the mount point value is 'legacy' or 'none'.
2942560	On the RHEL6U3 client, due to changes in the lvdisplay and dmsetup command output, BMR backup (and sometimes restore) fails.
2943335	VMware backups that use multiplex with load balancing option fail with status 58.
2943386	Unable to create an ATT cloud storage server using the wizard.
2944946	On NetBackup 7.1.0.4, bpfis gets stuck intermittently in WaitForFilterUpdates and never finishes.
2945098	Storage Unit Group round-robin selection algorithm does not perform as round-robin.
2946053	Phase 2 of the import using the 'fix_encrypt' option fails in tar with status code 13.
2946684	The bpverify command reports failure on UNIX media servers when the backed-up file names include carriage returns.
2946704	If, while one component of the Policy Execution Manager (nbpem) waits for the last backup data call to finish, and another component terminates the child job, nbpem ASSERTs in CompoundJob::run.
2946718	Network Data Management Protocol (NDMP) restores fail consistently with 'unimplemented error code 114'.
2946947	Network Data Management Protocol (NDMP) restores fail consistently with 'unimplemented error code 114'.
2947555, version 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.
2947677	The NetBackup Job Manager binary service (NBJM) does not select the cluster interface to communicate from when certain media servers request resources, which causes status 811 failures.
2948427	After the upgrade to OpsCenter 7.5.0.3, various OpsCenter reports show the IP addresses of virtual machine clients instead of the host names.
2948522	A Network Data Management Protocol (NDMP) tapes import ends with error 220.
2948740	A Storage Lifecycle Policy with snapshots fails if the client is at back level (before 7.5).
2949567, version 3, 2, 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2950203	The bmrprep process creates an empty diskdata file for the RedHat 4.8 client.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2950392	On the RHEL6U3 client, due to changes in the lvdisplay and dmsetup command output, BMR backup(and sometimes restore) fails.
2950460	The Virtual Client Summary Report incorrectly displays virtual machine IP addresses instead of host names.
2950805	A Single File Restore of a FlashBackup did not restore with status 0 in a certain condition.
2951479	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.
2951780	The bpresolver process takes a long time to respond when backing up an Exchange 2010 Database Availability Group.
2951943	An Exchange 2010 DAG directive using an asterisk wildcard selects too many databases via bpresolver.
2951960	When you attempt a restore from a Distributed File System Replication (DFSR) backup, the NetBackup Java Administration Console does not browse or show files correctly.
2952065	The bpbkar process sends incorrect file size information to the bpbrm process which results in Media Manager waiting for additional blocks to be sent by bpbkar while bpbkar waits for bpbrm to send completion status. This results in hung backup job.
2952408	In OpsCenter version 7.5.0.3, 'Add comment' pop-up window for adding a comment to alerts, does not focus the text box inside it by default.
2954084	ZFS config prevents recovery of the entire system if the mount point value is 'legacy' or 'none'.
2954511, version 5, 3, 2, 1	Some Automatic Image Replication imports fail with the error 'fragment already exists'.
2954551	Incremental backups fail with status 84 on Linux virtual machines when Media Server Deduplication Pool is used.
2954756	This binary fixes memory leak issues reported in the NetBackup Enterprise Media Manager (nbemm) process.
2954958	Fixes the compaction issue in crchk where compaction fails if CRC error .bin file. Also fixes Content Router Queue Processing race condition between DEL and MARK_CORRUPT spooler entry causing 'fingerprint doesn't exist' errors in cache during the CRQP.
2955271	Oracle backups intermittently hang after they are activated and write data for 10+ minutes, which results in the bptm receive queue filling up and not emptying.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2955469, version 1	The bpbkar process crashes doing an Oracle proxy copy VxVM snapshot backup. An SLP-based off-host snapshot fails with status 49 and 43. Snapshot creation fails with 'pfi_find_active: Cannot find available snapshot'.
2956198, version 1	VMware backups fail with 'status 196' nightly due to a very long backlog of requests to get the last backup data.
2956310	OpsCenter data purging is changed so that it purges image records based on the expiration date of images. In previous versions of OpsCenter, image data purges were tied to job data purge settings.
2957733	An issue with AUTO_UPDATE_ROBOT where the robot mailslot changes would not be recognized.
2957751	Backups can fail due to Error Database (errordb) .lock contention on a busy Master server.
2957776	NetBackup Service Layer issue.
2958278	When several VMware snapshot state files are present on the Master server, snapshot cleanup takes a long time to complete.
2959750	In the tabular reports that are created using the Custom Reports Wizard, the 'Image Fragment Size' column always displays 0 (zero), even when the corresponding backup job is successful.
2961274	Image cleanup is not able to clean up the backup images that reside on the node of 'APP_CLUSTER'.
2961697	Multiplexed backups of VMware clients import as 'VM_Type 0' instead of 'VM_Type 2'.
2961971	On HP/UX IA64 11.31 clients, the bmrsavecfg process changes the owner/group settings of existing disk special files.
2962424	At source if the retention is set to 3 days for replication to remote master, at the target the retention is always set to 1 week.
2962480	The KMS tag is not displayed in NetBackup Administration Console reports.
2962978	With NetBackup Accelerator enabled, all backups of Shadow Copy Components (SCC) are forced as full backups. A Distributed File System Replication (DFSR) backup by SCC path is always a full backup.
2966213	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2966256	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2966284	With NBAC enabled, some jobs fail intermittently and the JobID does not appear in the Activity Monitor. The NetBackup Policy Execution Manager (nbpem) logs indicate that the JobID may be lost due to communication problem with NetBackup Job Manager (nbjm).
2966680	Unable to recover Linux clients with a bnx2x adapter (Broadcom NetXtreme II 5771x/578xx 10/20-Gigabit).
2966787	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2966954	A one-time script was created to address grant EMM_MAIN permissions to update DBM_MAIN Client keys. The script is not included in any other release vehicle.
2967364	OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.
2967780	Backups can fail due to Error Database (errordb) .lock contention on a busy Master server.
2967948, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2968146	A one-time script was created to address an issue with deleting a disk pool. The script will not be included in any other release vehicle.
2968147	Issues with 100% CPU utilization on Linux when virtual machines are restored.
2969026	For NetBackup 7.5.0.4, if a customer tries to perform a Prepare To Restore operation on SFW clients using the FastBoot Shared Resource Tree on a Windows 2008/2008R2 system, an error occurs during disk discovery.
2969133	Microsoft SQL restores fail with the following error if the media server is running Windows and the restore takes longer than one hour: "restored image image_name - (socket read failed (23))".
2970130	Browsing images in the Backup, Archive, and Restore interface is slow. The interface takes lot of time to load images.
2970466, version 9, 8, 7, 6, 5, 4, 3, 2, 1	Increases the performance of Auto Image Replication imports on the destination server when you use Media Server Deduplication Pool (MSDP).
2970741	SharePoint cross-farm redirected restore fails.
2974228	NetBackup OpsCenter issue.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2975594	Backups with multiple copies can have the wrong expiration date when copy 1 has a later expiration date than the other copies. The issue was fixed so that the expiration date of the image record is set to the lowest expiration date of the copies.
2977342	A one-time script was created to address an issue with SLP duplications on a cluster. The script is not included in any other release vehicle.
2977659	A fix for an Accelerator issue where Accelerator-enabled backups fail to verify.
2977914	OpsCenter data collection for storage lifecycle policy (SLP) causes the NetBackup Enterprise Media Manager (EMM) process of the NetBackup server to become unresponsive.
2978501	All VMware block-level incremental backups were expired prematurely when Copy 1 of FULL was removed and if all copies of FULL were created by Inline Tape Copy(ITC).
2979563, version 2	When multistream policies are present, NetBackup Job Manager (NBJM) can get deadlocked. Backups jobs stop running and the jobs that were running appear to be hung.
2979618	A Single File Restore from a FlashBackup image of a Linux client fails to restore a selected file if a FIFO file and the affected file are gathered in one file header block.
2980240	Solaris SAS-2 host bus adapters (HBAs) do not work with NetBackup.
2980571	Restore of a client having VxVM version 5.1 SP1 RP2 results in failure with shared resource tree (SRT) having VxVM 5.1 installed.
2980919	Incremental backup of UNC path backs up all files when True Image Restore with Move Detection is enabled.
2981390	Restores of virtual machines are allowed even if there are no networks returned from the virtual machine query.
2982308	Virtual Machine Disk (vmdk) bitmap files are not removed from /tmp following a VMware backup cancellation.
2982803	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
2982809	Improves the reporting accuracy in Capacity and Traditional reports.
2982810	Improves the reporting accuracy in Capacity and Traditional reports.
2982811	Improves the reporting accuracy in Capacity and Traditional reports.
2982812	Improves the reporting accuracy in Capacity and Traditional reports.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2982813	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
2982814	Improves the reporting accuracy in Capacity and Traditional reports.
2982815	Improves the reporting accuracy in Capacity and Traditional reports.
2982816	Improves the reporting accuracy in Capacity and Traditional reports.
2982817	Improves the reporting accuracy in Capacity and Traditional reports.
2982818	Improves the reporting accuracy in Capacity and Traditional reports.
2982819	Improves the reporting accuracy in Capacity and Traditional reports.
2985032	On NetBackup 7.1.0.4, bpfis gets stuck intermittently in WaitForFilterUpdates and never finishes.
2985395	During Distributed File System Replication (DFSR) backups, bpbkar32.exe can cause an application fault issue.
2987107	VMware backups fail to map the NTFS Dynamic Disk of a Windows 2008 virtual machine.
2987333	During a backup, the NetBackup Tape Manager (bptm) gets timed out with the underlying error in spad '[_handle_find] catalog is busy' caused by a large number of backups in a client and policy combination.
2988317	When using a custom retention level configured for 30 years resulting in an expiration date after 2038, the SLP expires duplicate copies after the duplication completes.
2990106	The command bpexpdate -deassignempty -force fails if one of the media fails to deassign, which then causes all to fail to deassign.
2990617	When you click on a transaction log backup image for restoring from the SQL Agent interface, the agent crashes. This issue occurs when you click on images under the *DATABASE PLACEHOLDER* node.
2991238	BMRsavecfg fails with status 26 for a few clients after an upgrade to NetBackup 7.5.0.4.
2991262	OpsCenter data collection for Fat Pipe (FT) Data collector fails with 'Unknown reason' as error for some NetBackup servers.
2996317	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2996468	A one-time script was created to address Auto Image Replication import failure for 13 images. The script is not included in any other release vehicle.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
2996548	The Apache Tomcat package that is bundled with OpsCenter was upgraded to version 6.0.35 to address the security vulnerabilities 'CVE-2012-2733' and 'CVE-2012-3439'.
2996766	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange (PBX).
2996859	During a Granular Recovery Technology (GRT) browse, the modified timestamp of mail items in the Backup, Archive, and Restore interface show 5 hours off.
2998135	A one-time script was created for Automatic Image Replication images exiting with a status 83 because the Image Cleanup could not find the Volume. The script is not included in any other release vehicle.
2999074	When you browse for backups in the NetBackup for SQL Agent you get a pop-up that displays 'error encountered trying to read database images'.
3001723	Reports that are generated using the Custom Report Wizard do not show failed jobs in the report output when Image Expiration is selected as one of the columns in the report.
3002231	The bpfis process hangs during a Hyper-V backup due to a stale snapshot.
3002480	VMware backups for various Red Hat Virtual Machine servers fail with the error: db_FLISTsend failed.
3003371	Numerous backups failed due to /usr/openv/netbackup/db/error/errordb.lock contention and O_SYNC performance.
3003719	Exchange GRT restore failed to restore user mailbox when display name contains '[' and ']'
3004512	Disabled the User Account Control (UAC) pop-up on LiveUpdate that runs on the NetBackup 7.5.0.4 maintenance release.
3005312	Cannot restore from a Network Data Management Protocol backup image of more than one path - it is a duplicate copy that was written by EMC DL4200 embedded media server.
3006448	Disk Staging Storage Unit (DSSU) staging fails with status code 228 due to the NetBackup Enterprise Media Manager (nbemm) returning too many entries.
3006964	A backup fails because the SQL Agent can't get the SQL Server backup timestamp from the SQL system database within the default wait timeout window.
3008786	A one-time script was created for Auto Image Replication images exiting with status 83 because the image cleanup could not find the volume. The script will not be included in any other release vehicle.
3008907	A one-time script was created to address an SLP issue after an upgrade to NetBackup 7.5.0.4. The script will not be included in any other release vehicle.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3009921	Starting with NetBackup 7.5.0.4, media which has expired can get deassigned even when it is frozen. In NetBackup 7.1, frozen media never gets deassigned. Frozen media should not get deassigned.
3010049	The GRT restores of emails that have been archived using Enterprise Vault are not restored with the correct Message Class property.
3011949	The NetBackup Enterprise Media Manager database encounters issues on a ZFS file system.
3011950	When the SQL images get browsed for restore using the SQL Agent interface, a pop-up message is presented that states "Error encountered trying to read database images".
3012205	Linux media boot fails with the following message: "ERROR: No device listed in /proc/sys/dev/cdrom/info".
3012773	The virtual machine with P2V conversion cannot boot up after a restore and displays 'Error loading operating system'.
3013157	Use the pass-through driver to determine if a tape has been successfully mounted and is ready to use.
3013181	Setting w2koption -backup -ignore_unresolved_volumes does not prevent Status 156 errors during Windows backups.
3014874	OpsCenter data collection for storage lifecycle images from NetBackup version 7.1.0.4 causes NetBackup Enterprise Media Manager (EMM) process to become unresponsive.
3016551	The NetBackup Administration Console does not allow the editing of media type mappings.
3016768	During backup, the backup tape manager (bptm) times out with the following underlying error in the deduplication manager (spad): [_handle_find] catalog is busy. This error is caused by a large number of backups in a client/policy combination.
3016776	If the /etc/vx/VxICS/VxPBX.cfg file is modified, a Private Branch Exchange (PBX) upgrade fails during an upgrade from NetBackup 7.1 to 7.5.
3017201	When trying to do a Bare Metal Restore (BMR) dissimilar disk restore of a Solaris client, the mapping utility is unable to map the system disk.
3017765	During a backup of a client that has a symbolic link in the database and images directory, the NetBackup Database Manager (bpdbm) fails to get the image key. That causes the backup to fail with status code 227.
3018058	The NetBackup Service Layer (nbsl) process unexpectedly stops and exits because of a memory leak issue on the HP-UX IA64 platform.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3019161	Using the NetBackup Administration Console to browsing for the backup images that are written to certain media servers takes too long.
3019163	Browsing images is very slow in the NetBackup Backup and Restore Console. Its takes long time to load images.
3019537	A corrupt '.f' file causes the NetBackup Database Manager (bpdbm) to consume a lot of memory.
3019944	A bmrrep core dump issue for a Prepare to Restore operation.
3020859	The bpverify command reports failure on UNIX media servers when the backed up file names include carriage returns.
3021832	Added Capacity-based Licensing Data Collection support for appliance Master servers.
3022030, version 1	nbdecommission utility is failing to decommission a media server, due to some backup image fragments still exists for that media server.
3024221	A Network Data Management Protocol (NDMP) restore of a backup that was taken with NetBackup 6.5.4 and earlier fails with status code 27 and a NetBackup Tape Manager (bptm) core dump issue.
3024932	On a NetBackup Appliance with Software version 2.5.1, VMWare backups sometimes fail with an error code 62 or 130.
3024983	Improves the reporting accuracy in Capacity and Traditional reports.
3025947	LBC and or BPCD may cause an exception during granular restore from duplicated backup images. This is due to certain special characters that the NetBackup client is not handling correctly when sending to catalog.
3026132	Issues reading images from the PureDisk Deduplication Option (PDDO) disk pool where the characters in a client or a policy name has had a change in case. This issue can affect backups, restores, and duplications.
3026227	Some Windows client logs have an extension which ends in uppercase 'LOG'. The UNIX log gathering program (bpgetdebuglog) expects and only sees lowercase 'log' extensions. Therefore, uppercase logs cannot be found.
3026290	Block-level backup (BLIB) incremental jobs back up as a full backup if the virtual machine has spaces in the name.
3026624	NetBackup Policy Manager (nbpem) crashes if NetBackup is upgraded from 7.5.0.3 to a later release while jobs are active at the time of upgrade.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3026930	A SharePoint GRT backup of databases that have non-English characters fails with status code 13.
3027395	BMR client discovery fails on passive node of a cluster if it encounters unmounted volumes.
3027562	Improves the reporting accuracy in Capacity and Traditional reports.
3028111	Restore and verify operations for large SharePoint content databases fail with the following error: "Raw partition size gigabytes does not match".
3028468	Unable to switch from one NetBackup domain to the other using the Windows NetBackup Administration Console, NetBackup Access Control, and VxSS.
3028881	Restores of the databases that have curly braces can fail.
3031070	Lotus restore takes a very long time on NetBackup 7.5.x.
3033625	Backup of EV databases fail with status 72 and 1542 when the EV SQL Server is configured to use a non-default port number.
3034022	The 'Initialize' option for a BMR client configuration causes the interface to enter an unresponsive state.
3034648	Duplications for FULL virtual machine backup images are only partially successful and reporting 'Error unlocking backupid'.
3034651	Lotus restore takes a very long time on NetBackup 7.5.x.
3035621, version 1	Backup jobs dependent on a snapshot cause multiple queries for storage server details. Large numbers of this type of backup job cause many queries to Disk Service Manager (DSM), which can lead to all DSM threads working that task.
3038049	OpsCenter MeteringCollector sync fails with AgentException: ErrorCode - 228
3038944	'A one-time script was created to remove decommissioned media server from EMM database. The script will not be included in any other release vehicle.'
3039453	The current NetBackup command line interface is limited in its ability to modify a VIP policy. Two new options have been added to the command line interface.
3040627	An issue for OpenStorage Technology (OST) DirectCopy where the true image restore (TIR) fragment file is not closed.
3041436	BMR experiences occasional problems where 'bpbrm -collect_bmr_info' hangs on Windows media servers.
3042003, version 1	Cluster, AppCluster, and bprd credential requests can overwhelm Disk Service Manager.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3042170	A VMware backup with a display name ending in a dot (.) causes all '.f' files to be deleted and results in the inability to restore from the backup.
3042184	Database backups fail due to a race condition of locking a configuration file. This EEB is a 7.5.0.4 compatible version of ET 2897642.
3042624	After it reads the cloudstore.conf file, the NetBackup Cloud Storage Service Container service (nbcssc) creates a log file under the root directory.
3044188	Unable to recover from copy 2 of a catalog backup that was taken on tape created by a storage lifecycle policy.
3044819	An Exchange GRT restore that is redirected to a different folder in the original mailbox fails with server status = 2810, but still works correctly when restored to the original mailbox location.
3044870	After caching was enabled in the configuration file that was passed to the Virtual Disk Development Kit (VDDK) API VixDiskLib_InitEx(), the backup speed of VMware virtual machines decreased.
3045792	The bpmount utility reports duplicate mount point entries on a UNIX server if one or more mount points are excluded through an entry in the exclude_list file.
3047391	An issue for OpenStorage Technology (OST) DirectCopy where the true image restore (TIR) fragment file is not closed.
3047514	Issues reading images from the PureDisk Deduplication Option (PDDO) disk pool where the characters in a client or a policy name has had a change in case. This issue can affect backups, restores, and duplications.
3048461	Containers (.bin files) that are 4 GB or larger can affect performance and not allow the containers to shrink. In addition, data can become lost or corrupted when container hits the 4GB boundary.
3048499	The NetBackup 7.5 bpimagelist CLI omits automatic images for stream-based backups that lack fragments. The Netbackup image listing code was fixed to allow the listing of 0 fragment images created by the automatic schedule of stream-based DB backups.
3048813	Attempts to create a client alias fail when the alias name is already assigned to a real client.
3049680	A one-time script was created to delete Fujitsu OST diskpool becuse unable via GUI or command line. The script will not be included in any other release vehicle.
3050260	A defunct bpfis process is created when the parent bpfis process does not read the status of the exited child process.
3050708, version 1	Bundle that contains fix for a ZFS and a VxVM issue.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3051191	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3051344	A custom retention level that is less than seven days does not get honored by the Auto Image Restore target master.
3051747	Reports that are generated using the Custom Report Wizard do not show failed jobs in the report output when Image Expiration is selected as one of the columns in the report.
3051990	A one-time script was created to delete a disk pool. The script will not be included in any other release vehicle.
3052029	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange (PBX).
3052163	Segmentation fault occurs during spoold startup when large amounts of RAM are present on the system. Startup trace shows bits setto 29 or higher Trace [47913141226430]: CacheInit: bits = 29 Segmentation fault
3052288	Unnecessary string conversions during the creation of the preview list can cause large delays in NetBackup Vault jobs.
3053132	Intermittent deadlock in bpdbm which result in backup/dup jobs failures
3054391	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.
3055194	Due to the fixed length of the 'Select Configuration for Restore' dropdown of a generic restore, the user is unable to see some lengthy client names and cannot select the desired configuration to proceed with the restore.
3055227	A one-time script was created to delete a Network Data Management Protocol (NDMP) server which cannot be deleted by using the nbemmcmd -deletehost command. The script will not be included in any other release vehicle.
3055370	A Microsoft SharePoint node is not visible during enumeration.
3056622	OpsCenter does not generate 'Job Finalized' alerts when Job ID is reset in NetBackup. The Job ID reset happens in NetBackup as part of disaster recovery (DR) testing, Catalog restore, or manual edit of the Job ID file.
3058293	SAP backups of the databases are taken from an ext4 file system fail to restore with the error 'Read access to .LoNg_VaLuEs.2 was denied'.
3058395	The Job Details dialog in Activity Monitor does not save the size of the dialog after it gets closed.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3058454	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3059678	An SQL server backup fails because the agent cannot get the backup timestamp within the default timeout period.
3060445	An incremental backup of a universal naming convention (UNC) path backs up all files when true image restore (TIR) with Move Detection is enabled.
3060629	On AIX box running turkish locale, scheduled SAP backups fail with status 13 as bphdb core dumps.
3062543	NetBackup OpsCenter Data Collection issue.
3063654	An update of the DBM_MAIN.DBM_ImageFragment table takes a long time. It blocks all other exclusive access to the NetBackup relational database (NBDB) in the Enterprise Media Manager database (nbemm).
3065140	The Bare Metal Restore (BMRDB) relational database fails to validate because of invalid or duplicate index entries in tables, which cause dbsrv11 to abort with "Attempting to normalize a non-continued row".
3065633	When backing up Windows 2008 Virtual Machines in a VMWare policy the backups will sometimes hang if the Windows 2008 Virtual Machine boots using a EFI partition.
3066838	For NetBackup 7.5, the NetBackup Administration Console does not show the Media server tab in the Host Properties interface for media server and client hosts.
3066904, version 1	SQI Agent crashes when the restore job fails.
3067967	NetBackup Service Layer issue.
3068763	Vmware and Hyper-V policy types are missing from the 'Capacity by Policy Type' section on the Summary tab.
3069121, version 1	Bundle fix for storage lifecycle policy and Auto Image Replication performance.
3070024	A one-time script was created to delete a disk pool which cannot be removed. The script will not be included in any other release vehicle.
3071572	A self-restore fails on a Sun Fire X4270 M2 server with 'ERROR Incorrect Label information for $diskLocation is written in PREP_DISKDATA File'.
3073489	Importing images containing sparse files can result in incorrect size information.
3073850	GRT restore of a message that has empty attachments may fail if the Microsoft Exchange attachment table does not have the standard name. For example, this issue could occur if there has been a database schema change for a local configuration.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3074196, version 1	The NetBackup Deployment Utility (nbdeployutil) report fails with the error 'Can't locate utf8.pm'.
3074804	OpsCenter generates a 'master server unreachable' alert even when the master server's connectivity is only momentarily affected because of transient network issues.
3076505	NetBackup OpsCenter issue.
3076793	Linux clients with non-system VxVM disks fail to be recovered using system-only restores.
3078609	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3079370	Error messages 'JFS log was not found in volume group (vgName)' and 'A JFS log must exist in volume group (vgName) before a JFS logical volume can be created' seen when PTR or DDR are performed on AIX client's configuration with VG not having JFSlog LV.
3079378	Catalog cleanup deletes image folders when there are still images in them.
3079476	-Optimized Synthetic failing with status 84 -Image cleanup job running more than 60 mins is abandoned.
3079971	During VMware backups, snapshots occasionally fail with a status code 3014 after 10 attempts.
3080574	OpsCenter does not generate 'Job Finalized' alerts when Job ID is reset in NetBackup. The Job ID reset happens in NetBackup as part of disaster recovery (DR) testing, Catalog restore, or manual edit of the Job ID file.
3081314	Replicated image fails to import bmr configuration of windows clients on a Unix/Linux master server.
3082881	A Client Direct backup fails when the media server is set to 'USE_VXSS = AUTOMATIC' and 'VXSS_NETWORK = media_server_name REQUIRED' when the client is set to 'USE_VXSS = PROHIBITED'.
3083269	Application faults in Setup.exe and/or VxLogServer.exe during installation of NetBackup 7.5.
3083558	Estimating the size of backups during image validation takes a long time.
3084976, version 4, 3, 2, 1	NetBackup Relational Database issue.
3086344	NetBackup OpsCenter Custom Reports issue.
3087760, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3090552	Dbbackup.exe is unable to retrieve SQL server properties from the registry in order to create an Open Database Connectivity (ODBC) connect string.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3091012	The NetBackup Database Manager (bpdbm) fails to connect to the database with the following connection error: "Found server but communication error occurred".
3092156	A corrupt image file causes the NetBackup Database Manager (bpdbm) process to consume CPU and memory until the bpdbm process is killed.
3092283	For Microsoft Cluster Server(MSCS), NetBackup Cluster API enumerates node ids from 1. If NODE ID 1 is not present Cluster API fails to detect nodes in cluster and returns with error 30014.
3092538	An issue occurs when incremental backups of large multi-terabyte VMs are performed using the VMware policy type to a deduplication location, which causes bptm to fault (core dump) due to an error in the pdplugin regarding a negative number in the memory.
3093057	The OpsCenter user interface is very slow and the database process (dbsrv11) consumes nearly 100% of CPU on multiple processors.
3093205	EEB bundle addressing storage lifecycle policy and Auto Image Replication performance, as well as a problem with frozen media that is deassigned in error.
3093882	Restores of images written with the NetBackup Key Management System (NBKMS) enabled may fail with a status code 85.
3093976	VMware backups for various Red Hat Virtual Machine servers fail with the error 'db_FLISTsend failed.'
3095239	On Windows 2008 R2, restores change directory case naming from upper to lower case when using Fast Boot SRT.
3095961	The Exclude Data Disks option in a VMware policy does not work correctly for some virtual machines.
3096214	Mapped Full VM backups ending with Status 0; cannot restore individual files.
3097439, version 1	A backup fails because the SQL Agent cannot get the SQL Server backup timestamp within the default wait timeout window, and Dbbackup.exe is unable to retrieve SQL server properties from the registry to create an ODBC connect string.
3098858	VMware Application State Capture image expires before the parent image expires.
3099258	During backups of Distributed File System Replication (DFSR) data, bpbkar32.exe experiences faults.
3099662, version 1	NetBackup OpsCenter issue.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3101514	A restore or duplication of a Network Data Management Protocol (NDMP) image fails with an error reading: 'create_ndmp_frag_info: The size of this backup image (n) xxx has been modified' or 'create_ndmp_frag_info: Internal error - count mismatch Error.'
3102190	When a VMware guest has many IPv6 addresses associated with it, backups sometimes fail due to a limitation.
3103018	Image collection eventually stops and the OpsCenter web interface becomes unresponsive.
3104818	A one-time script was created to remove an MSDP setup on the master server that cannot be deleted by using nbemmcmd -deletehost and instead fails with error (Please Delete Disk Objects First). The script will not be included in any other release vehicle.
3105184, version 1	Backups of Windows virtual machines with a 5220 2.5.1 appliance backup host fail with a status code 130.
3105316	On a RedHat 6.X client, Bare Metal Restore enters the discovery phase with the following error: "The disks in this system do not meet the minimum requirements for recovery."
3105408	During a backup, the NetBackup Tape Manager (bptm) gets timed out with the underlying error in spad '[_handle_find] catalog is busy' caused by a large number of backups in a client and policy combination.
3106076	Importing images containing sparse files can result in incorrect size information.
3106104	Importing images containing sparse files can result in incorrect size information.
3106690	A cancellation or failure of a VMware backup job leaves temporary VMDK files in /tmp.
3106719	The Activity Monitor reports inconsistent results of backups and restores. It shows less than 100% completed, but the Detailed Status tab shows processes closed with a status code 0. The Job State remains Active.
3108240	A VMware Exchange GRT browse fails when volumes are required on a system with more than 10 volumes on the system.
3108642	Incremental backups are not marked eligible for true image restore (TIR) pruning.
3108661	The Exclude Data Disks option in a VMware policy does not work consistently for Windows 2008 virtual machines.
3111591	The pbx_exchange service aborts with a core dump if a pbx-dependent service with a heavy load from incoming client connections is terminated.
3112672	The dbbackup.exe process crashes while browsing backup images on an SQL mirroring configuration setup.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3113092	The NetBackup Backup and Restore Java Console gives 'Invalid destination Path' error message while restoring data at alternate location for Windows clients.
3114155	Setting a storage lifecycle policy (SLP) storage unit across multiple policies appears successful but it has changed to empty. When you change the storage unit from SLP to disk STU, the interface shows error: "status:223 an invalid entry was encountered".
3114741	Cannot modify OpenVMS client host properties through the client Host Properties utility. Selecting OK causes a socket disconnect error.
3114977	The Exclude Data Disks option in a VMware policy does not work consistently for Windows 2008 virtual machines.
3115248	NetBackup OpsCenter data collection for images fails with a communication exception.
3117236	The 'nbdevquery -listdv' command did not show potential free space available for a given disk volume.
3117858	Attempts to browse images for a client result in the database system error code 220.
3118240	During multistreamed or Volume Snapshot Service (VSS) backup jobs, a Bpfis.exe core dump is seen on Amazon virtualized Windows hosts running on Red Hat Enterprise Linux (RHEL) machines.
3119164	Duplicate image cleanup events can cause duplicate backup image entries in the indexing queue, resulting in problems in processing further indexing requests.
3119197	The 'bpnbaz -q -showbackuplist' command fails when you perform a hot catalog backup.
3122425	PureDisk side repair tool for addressing NetBackup/PDDO case sensitivity issue. Requires NetBackup 7.5.0.6 to be installed.
3123001	Request for NetBackup Service Layer (nbsl) process memory leak issue fix on NetBackup version 7.5.0.5 for all the platforms.
3123414	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
3123528	Sybase hangs because of internal table growth.
3124098	A one-time script was created to remove a media server from the Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3125103	The current command line interface (CLI) is limited in its ability to modify VIP policy. Two new options have been added to the CLI.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3126195	Client side backup fails when a media server is set to USE_VXSS = AUTOMATIC and VXSS_NETWORK = 'media server name' REQUIRED, when the client is set to USE_VXSS = PROHIBITED.
3126218	Network Data Management Protocol (NDMP) restore jobs from tape fail a status code 5. The bptm log shows the following: 'read_data: unknown ndmp_task 3; EXITING with status 5.'
3127522	When the previous snapshot is not cleaned up from the catalog, subsequent snapshot creation fails with the following error: 'pfi_find_active: Cannot find available snapshot mirror.'
3128448	SCSI pass-through driver scripts for SAS-2 drive on Solaris.
3130147	The registry entries are ignored.
3131418	VMware backups fail with a status code 41. The logs show that the process hangs on the function IsSystemBootedUsingEFIFirmware.
3131900	MPX restore job may hang due to timing issues.
3132521	When cluster node names starts with CLUSTER in all upper case, the user is unable to browse for Hyper-V virtual machines.
3133654	During VMware backups, snapshots occasionally fail with a status code 3014 after 10 attempts.
3133752	After an upgrade of an Open Virtual Memory System (VMS) client from version 6.5.5 to version 7.5, modifying and saving the client properties results in the error 'file read failed (23)'.
3134161, version 2, 1	Bundle of fixes to resolve the various issues of jobs status not being reflected correctly in the Activity Monitor.
3134396	On AIX media servers that use load balancing, MPMS avg_freemem is calculated properly while load_avg is calculated as 0 regardless of the actual load.
3134510	SQL Server backups fail because the SQL Agent cannot get the SQL Server backup timestamp within the default wait timeout window.
3135460	The bpnbaz -q -showbackuplist command fails when performing hot catalog backup.
3135774	When performing a cold backup using the NetBackup Oracle Intelligent Policy with the database in a MOUNTED state - shutdown and startup mount commands are issued even though the database is already in a MOUNTED state.
3136591, version 1	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3136787	Unable to save 'Scheduled Jobs' filters in the 'Planning Activity - Scheduled Job - All Jobs' report.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3138156	The NetBackup robot daemons may miss unit attentions, which causes AUTO_UPDATE_ROBOT to fail.
3139464	The registry entries are ignored.
3139674, version 1	SQL backups not seen in the SQL agent but seen by bplist and After updating to 7.1.0.4, SQL Agent displays backed up images not by date.
3139802	For virtual machines with greater than 10 disks, VMware Virtual Disk Development Kit (VDDK) returns unordered disk IDs. The disks are added to the catalog in an incorrect order and cause an issue when a restore to multiple datastores is performed.
3139929	Browsing for backups with the SQL Agent skips backups and fails with the following error: "because it contains metadata not recognized by the current version of NetBackup".
3141193	After clicking OK for browsing SQL backups for restore, a pop-up appears with the following message: "error encountered trying to read database images."
3142128	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3142388	A DB2 restore fails with 'SQL2062N' if the backup spans three days or more.
3142588	An OpsCenter Capacity Licensing Report does not display data for VMware policies in the summary tab.
3142835	Allows Common Object Request Broker Architecture (CORBA) communications across a static Network Address Translation (NAT) firewall without requiring a FIREWALL_IN configuration entry.
3142846	Allows Common Object Request Broker Architecture (CORBA) communications across a static Network Address Translation (NAT) firewall without requiring a FIREWALL_IN configuration entry.
3143477	A DB2 restore fails with 'SQL2062N' if the backup spans three days or more.
3143716	Linux clients with non-system VxVM disks fail to be recovered using system-only restores.
3144564	VMware incremental sometimes backs up all data like full.
3144618	The GRT phase of an Exchange backup fails if a database name contains a colon (:) character.
3145524	Issues with the 'nbdecommission' utility for decommissioning media servers.
3146318	Increases the performance of Auto Image Replication imports on the destination server when you use Media Server Deduplication Pool (MSDP).

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3146364, version 1	NetBackup Agent for Windows Client issue.
3147647	Intermittently, media server name and media server ID values are not passed to OpsCenter for the jobs that retry.
3147711, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3147730	The bpvmutil.exe application faults intermittently.
3147934	After it reads the cloudstore.conf file, the NetBackup Cloud Storage Service Container service (nbcssc) creates a log file under the root directory.
3148160	nbstserv may core sometimes while stopping.
3149106	Amazon cloud backup jobs periodically fail with potentially retryable HTTP code 500 2060022 error
3149184	The dbbackup.exe process crashes while browsing history.
3150238	A combination of performance problems on the master server result in a failure to return the media server name during resource request processing. This error is a retryable error, but a defect causes it to not be retried.
3150274	Filters in the NetBackup Backup and Restore Java Console do not display the correct files when browsing for restore.
3151347	The bpVMutil process fails to completely restore a virtual machine; only two of the three disks are created. The tar32 process core dumps when it tries to restore data to the third disk.
3153058	A one-time script was created to address thousands of storage lifecycle policy (SLP) images that are stuck in state 10 - inactive. The script will not be included in any other release vehicle.
3154497	In the NetBackup 7.5.0.4 NetBackup Administration Console Host Properties tab, the 'Add to All' button goes missing from the media server tab after an EEB for Host Properties missing media server tab is installed.
3155662	BMR Client Configuration Backup Failure report in OpsCenter is not always accurate. Failed backups are either missing or are reported as a status -999.
3155722	On AIX NetBackup master servers, the 'Test Query' button for 'VMware Intelligent Policy (VIP)' does not return any result.
3155728, version 1	User is unable to browse images from the restore SQL GUI. 'Error encountered trying to read database images' is displayed.
3155883	A restore fails with the error 'Failed to create ZFS file systems' when the same hot spare disk is assigned to two different ZFS pools.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3155981, version 1	NetBackup OpsCenter issue.
3156174, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3156212, version 1	EEB bundle: A Network Data Management Protocol (NDMP) restore hang problem; an NDMP restore problem with restoring from disk and tape.
3156374	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3156426, version 1	Incremental backups are not marked eligible for true image restore (TIR) pruning.
3156468	A one-time script was created to mark old backups eligible for pruning. The script will not be included in any other release vehicle.
3157563	A one-time script was created to address the disk pool deletion issue. The script will not be included in any other release vehicle.
3157844	Corrects and changes the NetBackup Storage Lifecycle Manager (nbstserv) recovery session processing.
3158041	Corrects nbstlutil report for: 1) copy count 2) size of copies to be created 3) performance
3160753	Corrects and changes Storage Lifecycle Manager service (nbstserv) recovery session processing.
3161604	Under certain conditions, FlashBackup problems occur following 7.5.0.5 patch installation on Windows, due to VxMS binaries being moved during installation.
3162773	A mapped full virtual machine backup completes with a status code 0, but the VxMS log shows: buildLdmPartitions:pLdm.cp:235 - File Recovery is not possible after backup.
3162955	The NetBackup Domain Network Analyzer (nbdna) is unable to execute with some versions of sudo.
3163213	OpsCenter report emails with PDF format show incorrect time frame.
3163522	The bpvmutil process crashes.
3163701	PureDisk side repair tool for addressing NetBackup/PDDO case sensitivity issue. Requires NetBackup 7.5.0.6 to be installed.
3165589	Cloud data collector fails, ErrorCode - 228 : unable to process request ()
3177454	After a Hyper-V backup, the virtual hard disk (VHD) file fails to show up in the browser and cannot be restored. Backup is successful and other files can be browsed and restored.
3177858	An Oracle snapshot backup fails with status code 31.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3178628	A one-time script was created to remove an old MSDP disk pool. The script will not be included in any other release vehicle.
3178727	SharePoint resources are not visible in the Backup, Archive, and Restore interface during a backup.
3179023	The NetBackup Domain Network Analyzer (nbdna) is unable to execute with some versions of sudo.
3179698	A one-time script was created to remove a media server and the records that are related to it from the user's master server database. The script will not be included in any other release vehicle.
3180682	On AIX NetBackup master servers, the 'Test Query' button for 'VMware Intelligent Policy (VIP)' does not return any result.
3180805	A redirected Exchange granular restore fails if the Client Access Server (CAS) is not also a mailbox server.
3182935, version 2, 1	Bundle of fixes to resolve the various issues of jobs status not being reflected correctly in the NetBackup Activity Monitor.
3182981	A pipe is always granted the physical node. However, when a backup with the app_cluster is registered with Enterprise Media Manager (EMM), the backup always goes by local area network (LAN).
3184036	The NetBackup Policy Execution Manager (nbpem) stops scheduling jobs, but immediate and user backups still work. The nbpem process must be restarted to get scheduling started.
3184319	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3184662	True image restore (TIR) fragment files are not closed during OpenStorage (OST) Direct Copy.
3184773	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3185297	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3185299	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3187365	When VMware backups are run a message will be seen in the Activity Monitor stating that the snapshot will not be deleted.
3187590	This EEB fixes the a race condition while adding and removing container references. We are providing additional scripts to verify that this situation is no longer occurring.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3188793, version 1	bpfis does not call VixDiskLib_EndAccess() to unlock the VM if snapshot creation fails.
3189047	A one-time script was created to remove a disk pool with the name 'dp_pddo_poc' from Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3189560	Backups for a Windows client experience delays in the call to 'IsSystemBootedUsingEFIFirmware()' in bpbkar, which causes the backup jobs to fail with a status code 41.
3189770	The NetBackup Robot Inventory screen shows duplicate robot entries when NetBackup is clustered.
3191336	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3191915	The NetBackup Java Administration Console in NetBackup 7.5.0.x takes very long time to load NetBackup policies.
3192221	If snapshot creation fails, bpfis does not call VixDiskLib_EndAccess() to unlock the virtual machine.
3192581	NetBackup OpsCenter View Builder issue.
3193376	Attempts to restore some individual files from a Hyper-V backup fail.
3194916	The Front-End Terabytes (FETBs) report shows the same value for multiple master servers.
3195135	Granular Recovery Technology (GRT) restores do not correctly restore Enterprise Vault (EV) archived stubs of messages that had attachments.
3195197	Under certain conditions, FlashBackup problems occur following 7.5.0.5 patch installation on Windows, due to VxMS binaries being moved during installation.
3195296	Fix for data loss issue in CRS
3195398	Amazon cloud backup jobs periodically fail with potentially retryable - HTTP code 500 2060022 error - HTTP code 400 with 'RequestTimeout'.
3195573	A one-time script was created to delete a media server and all related data records from the NetBackup database. The script will not be included in any other release vehicle.
3195705	A one-time script was created to remove MSDP defined on the master server. The script will not be included in any other release vehicle.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3195898	Alternate and self-restores of a Bare Metal Restore (BMR) Windows client in Citrix guest fail with the error message "Failed to create partition". This issue results from an incompatibility with Citrix Xen drivers in a BMR recovery environment.
3197166	Catalog cleanup deletes image folders when there are still images in them.
3197333	Adding a NetBackup 7.5 client to a Solaris 10 Update 11 shared resource tree (SRT) fails.
3198816	Incremental backups of 'EFI System Partition' failing with status code 1.
3198891	With NetBackup Accelerator enabled, all backups of Shadow Copy Components (SCC) are forced as full backups. A Distributed File System Replication (DFSR) backup by SCC path is always a full backup.
3200294	Running the bpchangeprimary command by pool name and policy name fails to change images.
3200840	Need secure version of Apache Tomcat.
3201791, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3202205	A SharePoint document library restore succeeds, but the associated informational columns are missing.
3203364	Fix issue with individual VMware job restarts in 7.6 BETA2.
3203750, version 2, 1	Inconsistent job data is shown in the Activity Monitor.
3204057	Content router performance enhancements to address issue when a large number of images were expired at the same time.
3204568	A one-time script was created to delete disk volume entries from AdvancedDisk pool. The script will not be included in any other release vehicle.
3204762	SharePoint child backups fail with status code 196 when a new stream is added.
3205042	There are millions of "vfm_extract_frag_info_VxFIv5: input_frag_id" messages in the NetBackup Database Manager (bpdbm) log file with VERBOSE = 0 or at default levels.
3206406	A one-time script was created to address a specific condition where a disk pool could not be deleted by NetBackup commands. The script will not be included in any other release vehicle.
3206889	BMR restores of Windows Server 2008 and newer clients fail with error messages in the bmrrst log that are similar to the following: "butils.cpp:RestoreASRData() Failed to move file [C:\BMR\SCC\Automated System Recovery\e\bootmgr] --gle=2."

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3208619	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3209796	A Network Data Management Protocol (NDMP) restore fails with a status code 27, and the NetBackup Tape Manager core dumps after end of tape is detected.
3210601	Attempts to create a client alias fail when the alias name is already assigned to a real client.
3212208	A one-time script was created to address a condition where the deletion of a disk pool was not possible when the storage server was already removed. The script will not be included in any other release vehicle.
3212393	EV database snapshots fail with status 130 when EV is configured to communicate with SQL on a non-standard port.
3212481	Various components are slow to load and appear to hang when broken Network File System (NFS) mounts are present. This issue can cause backups to fail with status code 2106.
3214313	A one-time script was created to remove a Media Server Deduplication Pool (MSDP) storage server from a failed configuration attempt. The script will not be included in any other release vehicle.
3214359	A large Oracle database (13TB) backup failed with status code 6 and the following error message: "ORA-27192: skgfcls: sbtclose2 returned error - failed to close file".
3215794	A one-time script was created to address the removal of disk pool. The script will not be included in any other release vehicle.
3216828	VMware Backups of Linux servers using EXT4 may fail with a status code 12: db_FLISTsend failed: file open failed (12).
3216862	A one-time script was created to remove disk pools from an environment. The script will not be included in any other release vehicle.
3217089	An Oracle Volume Shadow Copy Service (VSS) snapshot SLP fails to rotate.
3217366	VMware backups experience long delays during the 'IsSystemBootedUsingEFIFirmware()' call, which causes backups to fail with a status code 41.
3218048	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3218773, version 1	Improvement in the caching technique of the NetBackup Job Monitor (bpjobd).
3219871	The Fibre Transport client process (nbftclnt) on AIX does not discover the 'ARCHIVE' Python devices that are associated with /dev/rmtXX device paths when XX is greater than 99.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3221316	A one-time script was created to address the condition where deletion of a disk pool was not possible when the storage server was already removed. The script will not be included in any other release vehicle.
3221651	In the NetBackup Backup, Archive, and Restore interface under the 'Restore' tab, the 'Source client for restores' list only contains the master server.
3222277, version 1	Dbbackex.exe is left running on the SQL client after a backup has failed and subsequent backups will fail.
3223163, version 2, 1	NetBackup for VMware issue.
3225647	A one-time script was created to remove a disk pool and deleted image fragments for a customer environment. The script will not be included in any other release vehicle.
3225929	A one-time script was created to remove a media server from the NetBackup database. The script will not be included in any other release vehicle.
3226695	Restoring to original location does not restore the hardware version when the box is checked in Backup, Archive, and Restore interface.
3227126	The nbdecommission utility failed to delete the media server.
3228489, version 2, 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3228809	On cluster installs when there is '-u' in the hostname the install fails.
3231114	A combined EEB fix for: 1. The NetBackup Java Administration Console takes very long time to load policies; and 2. An override of the policy storage unit in a schedule of a policy causes the retention level to reset to Level 1 (default 2-weeks).
3231391	The media server that is reported in top-left interface does not match with the job details. The job details have the correct media server information.
3234808	A one-time script was created to delete a PureDisk disk pool. The script will not be included in any other release vehicle.
3235139	A one-time script was created to remove MSDP setup on the master server. The script will not be included in any other release vehicle.
3236302	An Oracle Volume Shadow Copy Service (VSS) snapshot SLP fails to rotate.
3236304	An Oracle snapshot backup fails with status code 31.
3237136	There are millions of "vfm_extract_frag_info_VxFIv5: input_frag_id" messages in the NetBackup Database Manager (bpdbm) log file with VERBOSE = 0 or at default levels.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3237452	A one-time script was created to delete old disk pool. The script will not be included in any other release vehicle.
3238501	The Front-End Terabytes (FETBs) report displays incorrect data.
3238535	A one-time script was created to address a specific condition where NDMP entry can not be removed using nbemmcmd command. The script will not be included in any other release vehicle.
3238748	Image lock files have world-writable permissions.
3240050	In some cases VMWare backups would cause semaphores to be left open.
3240151	A one-time script was created to address the media server deletion issue with the nbdecommission utility. The script will not be included in any other release vehicle.
3244927	The capacity report for the NetBackup Deployment Utility (nbdeployutil) does not show the correct 'Flagged Capacity Figures' when reporting against multiple master servers.
3245196	The Java Windows Administration Console is unable to browse the backup history on master servers running earlier versions of NetBackup.
3245388	Cleaning tape is not unloaded following tape drive cleaning operation.
3248534	A one-time script was created to remove an incorrectly decommissioned media server of type 'foreign_media'. The script will not be included in any other release vehicle.
3253362	A one-time script was created to delete a disk pool because image fragments still exist. The script will not be included in any other release vehicle.
3253473, version 1	Catalog backups fail after several hours with status codes 25 and 50 due to the image expiration of a client that is no longer configured in the policy, or in the event of a policy change.
3255000	A Linux system shows a leak of one semaphore per backup job on the backup host.
3255087	Single file restores of an NDMP policy type from and OST_FIM snapshot fail with the following: 'DUMP: somefile.txt: No such file or directory'.
3256506, version 7, 6, 5, 4, 3, 2, 1	No error is reported, yet the virtual machine backup or restore operation may have failed when doing a VMware backup of an offline LUN or a read-only LUN. http://www.symantec.com/docs/TECH208628
3257184	A one-time script was created to remove a disk volume. The script will not be included in any other release vehicle.

Table 1-1   NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3259441	Following an installation of the NetBackup 7.5.0.6 x64 client package for Windows 8/Server 2012, an alert displays that the NetBackup Bare Metal Restore (BMR) boot server service is not running.
3260582	Single file restores of an NDMP policy type from and OST_FIM snapshot fail with the following: 'DUMP: somefile.txt: No such file or directory'.
3260932	Apache Tomcat upgrade for security.
3262659	On an AIX client, if the lslv command output contains the 'DEVICESUBTYPE' value, then Bare Metal Restore (BMR) records the wrong file system type during backup which causes the restore to fail with invalid temporary mount point.
3262796	Restoring to original location does not restore the hardware version when the box is checked in Backup, Archive, and Restore interface.
3263461	NetBackup Fibre Transport issue.
3264408, version 1	NetBackup Service Layer issue.
3265176	There are millions of "vfm_extract_frag_info_VxFIv5: input_frag_id" messages in the NetBackup Database Manager (bpdbm) log file with VERBOSE = 0 or at default levels.
3270115	NetBackup Service Layer issue.
3273745	Running the bpchangeprimary command by pool name and policy name fails to change images.
3275166	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3277737	An Oracle backup fails which causes the removal of unwanted images.
3281743	Enhancements made to content router queue processing so will complete more quickly in MSDP.
3282224	NetBackup OpsCenter Reports issue.
3282256	Restore of System State on a Windows 2012 system fails with a FS_RECOVERY_PARTITION_NOT_FOUND error.
3282319	The dbbackup.exe process crashes when the user tries to browse the backup with the SQL server agent interface.
3284692	A one-time script was created to delete a PureDisk disk pool and one remaining image. The script will not be included in any other release vehicle.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3286399	A catalog cleanup runs while a catalog recovery is active, causing newly restored catalog files to be deleted prematurely.
3286500	A catalog cleanup runs while a catalog recovery is active, causing newly restored catalog files to be deleted prematurely.
3288413	A one-time script was created to address an issue where an MSDP storage server could not be deleted. The script will not be included in any other release vehicle.
3289804	Failed to remove a disk pool, media server, and NDMP server through commands.
3289890	True image restore (TIR) pruning fails due to fetching invalid image information from the NetBackup database (NBDB).
3290013	Windows push installations fail during Virtual File Filter (VFF) driver installation.
3292295	VMware backups leak semaphores on Linux backup hosts.
3294558	A number of data collectors show a 'Not Started' status in NetBackup OpsCenter.
3299072	Snapshot backups on a Windows Server 2008 R2 computer with an EFI partition fail with status code 1.
3299739	A one-time script was created to delete an incorrectly decommissioned media server of type 'foreign_media'. The script will not be included in any other release vehicle.
3300058	Job status not being reflected correctly in the NetBackup Activity Monitor.
3304711	Shared Resource Tree (SRT) creation fails for Solaris SPARC 10 Update 10 with the following error message: "[Error] V-125-447 Unable to install Symantec NetBackup Client software into the SRT."
3307842	Support for GUID partition table (GPT) boot disk. This support addresses an issue with the error "Found 0 Virtual Volumes".
3310421	A one-time script was created to remove three disk pools. The script will not be included in any other release vehicle.
3311757	Enhancements to the content router queue processing so that it completes more quickly in MSDP.
3316858	A one-time script was created to delete MSDP storage server. The script will not be included in any other release vehicle.
3321055	Unable to browse backup images using the MSSQL agent interface for clustered MSSQL databases that are configured for mirroring.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3325351, version 1	Bundle of fixes to address TIR (True Image Restoration) catalog data pruning and the NetBackup Database Manager (bpdbm) failing to connect to the database.
3325584	Unable to browse virtual machines for selection. The following is displayed in the bpVMutil logs: "CREATE_CONTAINER_VIEW_ERROR".
3327987, version 1	NetBackup OpsCenter issue.
3330467	When hosting a volume on an EMC array and attempting to perform a FlashBackup, a failure occurs if the EMC Volume Shadow Copy Service (VSS) provider is not installed.
3331462	A one-time script was created to remove a disk pool that is no longer associated with any storage server. The script will not be included in any other release vehicle.
3332354	Unable to browse or discover virtual machines on vCenter 4.1.
3332510	NetBackup Bare Metal Restore issue.
3333575	Restores fail if the job ID is over 65534.
3333826	Failed to retrieve virtual hard disk (VHD) file during restore. However, file browsing available through Normal backup type.
3336238	A one-time script was created to remove an orphaned disk pool. The script will not be included in any other release vehicle.
3338332, version 1	A long-running pruning phase of a cleanup job prevents catalog compression from running.
3339508	Unable to browse or discover virtual machines on vCenter 4.1. The error "CREATE_CONTAINER_VIEW_ERROR" is seen in the bpVMutil logs.
3354892	GRT VMWARE Browse failing with 220 database error and FilterConnectCommunicationPort FILE_NOT_FOUND error.
3356167	A one-time script was created to address a problem with decommissioning media servers when disk objects still exist. The script will not be included in any other release vehicle.
3356355	A one-time script was created to remove an MSDP NDMP storage server from three servers. The script will not be included in any other release vehicle.
3357356	A one-time script was created to address an issue where a host could not be deleted. The script will not be included in any other release vehicle.
3357437	A one-time script was created to remove an orphaned disk group and disk volume. The script will not be included in any other release vehicle.

Table 1-1 NetBackup 7.6 EEB Listing *(continued)*

Etrack Number	EEB Description
3357862	A SharePoint 2010 GRT backup fails with status code 13 on the host running the Chinese locale.
3358176	If a system has more than 25 IPv6 interfaces, then the Private Branch Exchange (PBX) server protocol in the PBX C library fails.
3358533	Backups may become inaccessible if the nbdecommission command is run incorrectly for the removal of an MSDP server.
3363393	During a backup, the NetBackup Tape Manager (bptm) gets timed out with the underlying error in spad '[_handle_find] catalog is busy' caused by a large number of backups in a client and policy combination.
3366160	NetBackup OpsCenter Custom Reports issue.
3376380	Turn the Sybase ASA monitor off.
3385159	NetBackup Installation for Windows issue.