Release Notes

NovaBACKUP® Network Version 6.2.1

October 2016

Content

What's new in NovaBACKUP Network v6.2.1?

NovaBACKUP Network exceeds customer requirements and expectations by efficiently protecting Windows networks. Support for the storage hardware of your choice, independent of manufacturer or vendor, means convenience and affordability.

Do you believe that network backup should work logically and reliably? Do you want to take advantage of the latest Microsoft technologies? Would you like to secure physical and virtual environments with a single application? Then NovaBACKUP Network is the right data protection software for you. The new functionality in version 6.2.1 is designed to provide rock-solid stability across heterogeneous networks with first class support by experienced engineers.

- **NovaBACKUP Granular Restore**
  NovaBACKUP Granular Restore (NBGR) is a granular data extraction software for offline SQL databases and Microsoft Exchange Server mailbox stores and Outlook files. The utility provides direct access to unmounted database tables and mail store contents, displaying file structure and its contents with selective export functionality. With a search query tool, users are able to export specific queries rather than large tables or files.

- **Remote installation of Windows Clients**
  The new function to remotely install Clients on a Windows machine directly from the GUI reduces the steps to a minimum. It removes the need to connect to each machine via remote desktop connection, and calling the installer from a central share drive.

- **NAS user rights**
  Assigning access rights for backup services is much easier, and thus the process of setting up a connection to a NAS device as a storage target is easier as well.

Version 6.2.1 (October 2016)

Improvements, Features and Enhancements

- NBF-83   NovaBACKUP Granular Restore
- NBF-60   NAS Target

Notable Resolved Issues

- NBKENGINE-3047   function runlist.destroy in libvhd.dll crashes apllication.
- NBKENGINE-3076   Hyper-V: DBA-restore needs description of import-procedures
- NBKENGINE-3086   Hyper-V: almost complete restore fails due to false "VM already exists" message
- NBKENGINE-3145   Hyper-V: Backup fails due to WMI System.MethodAccessException
- NBKENGINE-3157   Hyper-V: GIR Pool Restore fails
- NBKENGINE-3049   GIR-restore fails if the VM is completely lost, eRors creating .VHDX-files.
- NBKENGINE-3070   Hyper-V: Restore Ubuntu in state "saved" fails
- NBKENGINE-3098   DiskPool: Restore to other directory failed
- NBKENGINE-3105   DiskPool: Restore fails due to path issue
- NBKENGINE-3108   Hyper-V: GIR Restore fails, VM exists, but DCWMI says no
- NBKENGINE-3118   Hyper-V: Restore fails due to missing file with save-state information
- NBKENGINE-3138   Hyper-V: DBA restores not possible because of missing meta-data
- NBKENGINE-3139   Hyper-V: Incremental backup must be disabled in DC
- NBKENGINE-3143   Hyper-V: Cannot import VM after DBA restore (due to attribute)
- NBKENGINE-3149   Hyper-V: Backup: DCWMI complains about VM-target-info
- NBKENGINE-3158   Hyper-V: DiskPool - manual import throws an eRor message
- NBKENGINE-3178   Adapt rcmd build scripts for jenkins pipeline cd
- NBKENGINE-3140   Storage Management: Potential nullptr access in libnbsa/nbksrv
- NBKENGINE-3119   Hyper-V: "All VMs" jobs to GIR remains in "pending" state
- NBKENGINE-3156   Update: Command Server update on an Ubuntu Linux x64 bit machine may fail
- NBKENGINE-3167   Monitoring: DC monitoring kill does not work, rcmd cannot find WAT-file
- NBKENGINE-3073   Solaris: RCMD: ERor loading core plugin
- NBKENGINE-3180   Exchange backup is marked as HyperV-backup
- NBKENGINE-3190   Diskpool drops clonetarget with edit (default address is ip)
- NBKENGINE-2984   TLM: Remove mediapool fails
- NBKENGINE-2962   Hyper-V: Cluster 2008: VM hv-menu service is not member of cluster
- NBKENGINE-3094   VMware: VMs stored via "All [active/inactive]" aren't available for restore
- NBKENGINE-3148   Multiplexer: set restart on eRor as default setting
- NBKENGINE-3137   SQL: Restore: Try using absolute path for pipedump command
- NBKENGINE-2969   User Manual: no german language available
- NBKENGINE-3103   Media import fails with "user is not logged in" for user with limited rights
- NBKENGINE-3174   vssdr.exe: VSS provider choice
- NBKENGINE-3175   vssdr.exe: ignore volume bitmap mismatches
- NBKENGINE-3182   Storage Management: create GIR pool on Linux fails
- NBKENGINE-3187   Nodes Management: activation of Linux as a backup server impossible

- NBKENGINE-3023   Installation: Solaris/SPARC installer names
- NBKENGINE-3036   Hyper-V: Restore from GIR-pool fails when pool is locked
- NBKENGINE-3112   delete VM-dir after backup because it can use considerable disk-space
- NBKENGINE-3135   SQL Restore: restore button missing when BAK file destination directory is doesn't exist
- NBKENGINE-3074   DCWMI with vm-info fails at customers-site
- NBKENGINE-3084   Hyper-V: Vsshyv does not create DBA-files with a unique pipename
- NBKENGINE-2920   Hyper-V: vsshyv backup fails, but is committed
- NBKENGINE-3051   Hyper-V: DCWMI cannot export a VM with names containing special characters like (: |\?)
- NBKENGINE-2857   TLM: tapemac --mmcheck dies unexpectedly
- NBKENGINE-2938   STP: Wrong tape label (volser) when cloning to STP (Single Tape Pool)
- NBKENGINE-2885   MediaCheck: single tape and STP clones are not shown
- NBKENGINE-2674   Installation: Command Server install fails on Ubuntu 15.04+ as systemd is default (instead of upstart)
- NBKENGINE-2681   Hyper-V: Restore still fails under some conditions, import VM throws eRors
- NBKENGINE-2609   TLM: Unable to create media pool in linux GUI
- NBKENGINE-2506   Hyper-V: Restore with destination (non-GIR)
- NBKENGINE-2725   hijacc hiserv has no socket connection in a upstart service environment
- NBKENGINE-2538   Hyper-V: DC cannot edit schedule for HyperV-job when node is down
- NBKENGINE-2097   When one changes the media type of an unassigned volume, it does not update the media type until the entire feature is refreshed.
- NBKENGINE-2392   ReportManager does not show column BackupObject by default with useful content
- NBKENGINE-2416   EJB logs contains massive "java.lang.OutOfMemoryError: Java heap space" entries since April 27
- NBKENGINE-2503   Cannot Restore from Backup Server using Alias
- NBKENGINE-2845   Organizations of differential depending jobs can not be reset to No_Organization
- NBKENGINE-2906   Setting a clone target to 'none' gives an unhandled exception in the window
- NBKENGINE-3013   Vsshyv cannot restore using BSA-compression (on eqlhost)
- NBKENGINE-3025   VMware Granular Item Restore to a powered off VM fails with a NBSA error
- NBKENGINE-3029   Vsshyv does not respond to DC-kill
- NBKENGINE-3031   Snappy.dll crashes Vsshyv
- NBKENGINE-3035   DCWMI export with check of NICs fails
- NBKENGINE-3038   DC tries to mount "HostComponent" of HyperV for GIR-Restore
- NBKENGINE-3041   Remote Install button greyed out
- NBKENGINE-3042   Client, installed via "Remote install" feature cannot be uninstalled
- NBKENGINE-3075   HyperV DBA-restore over an existing VM leaves VM in a ctritical state
- NBKENGINE-3081   Schedule: Single Date starts again one year later
- NBKENGINE-3102   User with limited perms still gets welcome panel with ability for configuration
- NBKENGINE-2506   HyperV restore with destination (non-GIR)
- NBKENGINE-2681   HyperV-restore still fails under some conditions, import VM throws errors.
- NBKENGINE-2857   tapemac --mmcheck dies unexpectedly

- NBKENGINE-2885   MediaCheck: single tape and STP clones are not shown
- NBKENGINE-2920   vsshyv backup fails, but is committed
- NBKENGINE-2938   Wrong tape label (volser) when cloning to STP (Single Tape Pool)
- NBKENGINE-2954   Fehler Hyper-V Cluster
- NBKENGINE-2962   HyperV Cluster 2008: VM hv-menueservice is not member of cluster
- NBKENGINE-2975   HyperV Cluster 2012R2: missing component
- NBKENGINE-2983   Linux: create multiplexer runs into NullPointerException
- NBKENGINE-2984   Remove mediapool fails
- NBKENGINE-3023   Solaris/SPARC installer names
- NBKENGINE-3044   A "Online" backup of a VM on w2012r2 cannot be restored, wrong VM-config
- NBKENGINE-3048   DCWMI import VM fails if Destination-dir for VHDs does not exist.
- NBKENGINE-3061   RCMD thread usage and deadlock
- NBKENGINE-3062   Importing a VM saved to a GIR-pool complains about missing "Saved State"
- NBKENGINE-3074   DCWMI with vm-info fails at customers-site
- NBKENGINE-3079   User management: monitoring misses active jobs (organization)
- NBKENGINE-3212   VMware backup to GIR pool via HOTADD: vmware.exe may crash

Known Issues

Version 6.1 (June 2016)

Improvements, Features and Enhancements

- NBF-36   Default Configuration
- NBF-38   SQL 2016
- NBKENGINE-2149   VMware backup: Allow to choose transport mode for backups (to GIR pool) and replication

Notable Resolved Issues

- NBKENGINE-2871   VMware backups leave VM guests in need of disk consolidation.
- NBKENGINE-2764   Running a maintenance operation on a GIR pool fails
- NBKENGINE-2931   Hyper-V direct GIR backup fails
- NBKENGINE-2964   Unable to restore VMware backup jobs from 5.x after update
- NBKENGINE-2951   Unable to attach library to backup server, error No SCSI drives found.
- NBKENGINE-2954   Fehler Hyper-V Cluster
- NBKENGINE-2975   HyperV Cluster 2012R2: missing component
- NBKENGINE-2417   Scheduler stopped working / EJB hardly responsive: "Unable to acquire a new connection from the pool" in EJB logs
- NBKENGINE-2682   Failures when handling a disk pool with blanks in its name
- NBKENGINE-2710   Cannot save files/restore files from a gir pool that has umlauts in its name
- NBKENGINE-2761   GIR pool maintenance fails having 'merge' option set
- NBKENGINE-2872   BMR restore fails.
- NBKENGINE-2884   DC 6.0: openejb.log files are not in C:\ProgramData\Novastor\DataCenter\openejb\logs
- NBKENGINE-2919   Alias field is not cleared when a different media pool is selected from the list
- NBKENGINE-2958   DC allows host names containing underscore ("_")
- NBKENGINE-2959   Unable to backup VMware machines from a 2008 proxy.
- NBKENGINE-2963   rcmd-executor takes too much memory
- NBKENGINE-2981   HyperV GIR backups fail
- NBKENGINE-2920   vsshyv backup fails, but is committed

Known Issues

Version 6.0 (April. 2016)

Improvements, Features and Enhancements

- NBKENGINE-2108   Clear archive bit option for files backed up from VSS snapshot
- NBKENGINE-2114   Identification of tape library and drives by hardware id
- NBKENGINE-2128   When creating a backupserver, make exception in the windows firewall
- NBKENGINE-2158   backup of hyper-v host component
- NBKENGINE-2191   Robustness improvement for tape mediapool maintenance
- NBKENGINE-2219   Standard Compliant Job Reporting Artifacts
- NBKENGINE-2221   Memory / Throughput Performance / Robustness / Scalability
- NBKENGINE-2237   Scheme based GIR pool retention/synthetization
- NBKENGINE-2240   notesbu.c: incremental backup date filter check
- NBKENGINE-2247   Tape Media Pool Check
- NBKENGINE-2294   Derby DB: increase width of specific columns
- NBKENGINE-2378   Support non-default vCenter server HTTPS port
- NBKENGINE-2544   Support replicating/restoring to a datastore cluster
- NBKENGINE-2554   Doing 'Attach library' a user should activly set the media type
- NBKENGINE-2597   Performance tuning: Network traffic performance tuning
- NBKENGINE-2670   Shared utility library for standard DC backup clients
- NBKENGINE-2762   Create a vmware function to get host information like #cores
- NBKENGINE-2763   Allow to restore from alternative device
- NBKENGINE-2810   NBSA Mount Improvement
- NBKENGINE-2821   NBSA Robustness Improvement
- NBKENGINE-2255   Obtain correct IP of Windows client by resolving hostname
- NBKENGINE-2886   Support ADK for Windows 10
- NBKENGINE-2896   hui: check Hiback.log entry for path+listfile

Notable Resolved Issues

- NBKENGINE-2258   log/results/nodename: map nodename to lowercase
- NBKENGINE-2339   Update disk mediapool config "clonetarget" when multiplexer port has changed
- NBKENGINE-2354   Updating a node does not give any error messages if the user does not have the required rights
- NBKENGINE-2374   Using Organizations with schedules and edit media pools throws null pointer exceptions
- NBKENGINE-2389   rcmd-executor appcrash c0000005/0000000000018653
- NBKENGINE-2406   xml export of reports contains illegal characters in tags
- NBKENGINE-2408   VMware restore: Selecting an alternative datastore may fail with "Error receiving data"
- NBKENGINE-2410   VMware Proxy Configuration: Change credentials / Add server may fail with "Could not add VMware proxy..."
- NBKENGINE-2414   ExecutionPlanResults: panel takes ages to display results
- NBKENGINE-2418   BMR Backup and executable does not start causing EJB Exception
- NBKENGINE-2421   Script Job hangs in Monitoring - EJB exception

- NBKENGINE-2422   A very big Disk-savefile (>2 TB) cannot be restored.
- NBKENGINE-2438   "An error occurred while reading the Datamover logs"
- NBKENGINE-2443   Warning in libnbsa shutdown
- NBKENGINE-2444   Return code request: Storage pool not found or misconfigured
- NBKENGINE-2476   hiscsi: detect adapters above #9
- NBKENGINE-2481   Multiple/Single update node via nodemanager hangs if a node is unreachable
- NBKENGINE-2482   Network GUI does not start under Solaris
- NBKENGINE-2515   "Connectivity Test" issues if VM job has 1st and 2nd Media Pool configured and one of them is a GIR pool
- NBKENGINE-2523   Retention doesn't remove remnants - list and tape index files, files anymore
- NBKENGINE-2529   User is able to create Single Tape Pool with spaces in name
- NBKENGINE-2530   User can not edit Disk Pool with spaces in the name
- NBKENGINE-2550   5.3.4: vm restore starts, reads, fails with dba_read fails
- NBKENGINE-2553   notesbu: Hiback\tmp\notesbu.log contains corrupted entries from log backups
- NBKENGINE-2569   Hyper-V Virtual machines listed in the backup job configuration are not sorted.
- NBKENGINE-2613   Client installation on x86 version of Debian Linux does not install correctly
- NBKENGINE-2623   Failed to make CentOS 6 x64 to a Backup Server
- NBKENGINE-2625   Trying to add a tape library or look at the tape library MM tab if there is a tape with no label in the library fails.
- NBKENGINE-2631   Connectivity Test in Backup Jobs ignores 'Multiplexing' option
- NBKENGINE-2641   Createpool command does not set in poolname in poolfile
- NBKENGINE-2650   hiserv/multiplexer ignores EOT in set_nt_filemark
- NBKENGINE-2651   vmware.exe fails to read vmware.ini and <host>.ini
- NBKENGINE-2652   MediaCheck does not work when all media are exported
- NBKENGINE-2655   Result of erraneous tape retention is not shown in SystemMessages
- NBKENGINE-2658   Wrong default image format for Hyper-V backups
- NBKENGINE-2664   Failed ReaR backup is shown as successfull
- NBKENGINE-2665   change function VHDGetDiskChains() in LIBVHD.dll
- NBKENGINE-2667   Client registering with IP 127.0.1.1 will change command server default address
- NBKENGINE-2671   vmware backup from vCenter fails with "Cannot connect to the host"
- NBKENGINE-2677   VMware backup to non-GIR pool fails if using non-default vCenter server HTTPS port
- NBKENGINE-2678   HostIniConverter fails because cannot find libstorage.dll
- NBKENGINE-2679   VMware backup, replication, restore doesn't work if HiBack isn't installed in DC home
- NBKENGINE-2680   When upgrading to 5.3.1+ the installer log contains existing VM host passwords
- NBKENGINE-2688   hiserv 32 does not run on Win2003
- NBKENGINE-2690   Single tape as clonetarget: SCSI address is missing
- NBKENGINE-2693   vmware.exe crashes when backing up to GIR pool
- NBKENGINE-2705   Cannot remove VMware server having a port assigned

- NBKENGINE-2706   VMware server shown as offline if a port is assigned
- NBKENGINE-2707   Restore of a Mac VM fails with "config.hardware.device not found"
- NBKENGINE-2715   Linux backup server: monitoring of maintenance does not stop
- NBKENGINE-2716   VMware backups to GIR pool where always run using full scheme
- NBKENGINE-2722   rcmd-executor runs out of threads
- NBKENGINE-2723   Linux backup server: Mail reporting of disk pool maintenance end is missing
- NBKENGINE-2727   Trying to restore a VM job gives an error
- NBKENGINE-2759   rcmd_executor: AppCrash
- NBKENGINE-2766   GUI restore: restore-only permission is not allowed to browse for alternate destination
- NBKENGINE-2767   BMR Backup fails on systems with MS Storage Pools
- NBKENGINE-2768   TapeLibraryManagement: attach mux fails with GUI exception
- NBKENGINE-2777   SFR from hyperv shows as failed when it actually did the restore
- NBKENGINE-2778   GIR pool description when creating a disk pool says GIR pool is only for VMware.
- NBKENGINE-2779   Trying to create a GIR disk pool with backup gen per node fails with an error of input string.
- NBKENGINE-2780   GIR pool details does not show what type of 'retention' is used.
- NBKENGINE-2783   Unable to select GIR pool for VMware backup if the vmware proxy is not the backup server.
- NBKENGINE-2807   Restore of HyperV VM from GIR pool fails.
- NBKENGINE-2809   Reporting: restart failed backup job fails
- NBKENGINE-2811   notesbu: correct Hiback\tmp\notesbu.log date is read wrong
- NBKENGINE-2819   rcmd-executor tmp files will not deleted
- NBKENGINE-2820   Connectivity test to gir pool failed
- NBKENGINE-2824   Trying to restore a VMware job will fail and exit with an error
- NBKENGINE-2831   HyperV backup to non GIR pool fails with build_v560_20160218_b742_beta
- NBKENGINE-2833   notesbu.exe: notesbu.log entry appendix missing when backup is successful
- NBKENGINE-2837   vsshyv createdbas should delete content of target folder
- NBKENGINE-2718   HyperV backup job: NPE when trying to save job having "All VMs" selected
- NBKENGINE-2852   reporting should show the status line colored, also if not restorable
- NBKENGINE-2853   saving multi vm/dba results missing complete overview
- NBKENGINE-2866   vmware.log wrong stamp entry
- NBKENGINE-2812   VMware Replication: Column "Name" empty in reporting
- NBKENGINE-2502   MediaManagement: retention expiration is shown wrong
- NBKENGINE-2731   Adding Organization to backup job: diff job looses full/diff relationship
- NBKENGINE-2906   Setting a clone target to 'none' gives an unhandled exception in the window
- NBKENGINE-2908   "About" tooltip contains unexpected character

Known Issues

- NBKENGINE-2568   Multiple simultaneous Hyper-V jobs from a cluster or single server fail to backup more than one job at a time.
- NBKENGINE-2839   Hyper-V cross-restore fails if Network-switch-names are different.
- NBKENGINE-2838   Hyper-V restore of VMs with snapshots fails on Win2008.

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