Release Notes

NovaStor DataCenter
Version 7.3.8
September 2019

Content

What's new in NovaStor DataCenter v7?

NovaStor DataCenter exceeds customer requirements and expectations by efficiently protecting physical and virtual environments running Windows, Linux, and other operating systems with one single application. Support for the storage hardware of your choice, independent of manufacturer or vendor, means convenience and affordability, which will not break the bank.

IT managers in mid-sized organizations are often responsible for the complete IT Infrastructure management. In order to best support IT managers to manage the backup beside the flood of other tasks, we have optimized NovaStor DataCenter for ease of use.

- **Disc Selection for VMware Backups**
    - o "Independent" or "shared" disks can now easily be excluded from VM's selected in a VMware Backup job.
    - o This way, virtual disks used by multiple VM's can be backed up once.
    - o Greatly reduces Backup Windows and required Backup storage space.

- **1-Click --Diagnostic Collector**
    - o 1-Click collects all-important NovaStor and System Logs of the selected system and store it to a handy ZIP file container.
    - o Saves expensive time to identify and solve support requests
    - o NovaStor support can help much faster and systematically take additional measures to quickly resolve the request.

- **Backup Staging**
    - o Automated backup copy creation from all kind of primary backups of physical or virtual environments.
    - o Support for D2D2T, or D2D2D backups for Disk and GIR-Pools.
    - o Now you can also create backup copies of your Hyper-V and VMware VM backups to ensure optimal data security and availability in case of a disaster.
    - o
- **Improved License Management**
    - o With NovaStor DataCenter Version 7 introduces a more flexible and convenient License Management.

Version 7.3.8 (September 2019)

Improvements, Features and Enhancements
- Added support for Microsoft Exchange Server 2019

Notable Resolved Issues
- DC-5803: License usage reporting does not report FET amounts
- DC-5753: The update to 7.3.7 fails under rare circumstances
- DC-5730: The update of older versions is sometimes slow
- DC-5721: DataCenter configuration has wrong memory parameters on some installations
- DC-5641: On some Linux systems the umask of created files is incorrect

Version 7.3.7 (July 2019)

Notable Resolved Issues
- DC-5650: Collect diagnostic information does not work on Windows Server 2019
- DC-5605: Server logs contain confusing error message for numeric conversion
- DC-5561: In some cases the maintenance does not start when the number of backup job executions related to the retention reached a certain threshold
- DC-5492: Retention is deleting files, but not marking files as deleted
- DC-5423: Tape index file is being removed in case of failed backup to tape
- DC-5188: In some cases the an Error 72 was shown when backing up files with Windows

Version 7.3.6 (May 2019)

Improvements, Features and Enhancements
- Added support for RHEL 8

Notable Resolved Issues
- DC-5415/ #309407: Execution Plan results are blocking the UI and never return
- DC-5403/ #308657: Backup server fails to back up on some 32-bit Linux systems
- DC-5396/ #309161: Mail configuration gives no proper hints for misconfigured SMTP gw
- DC-5393: Some minor components missing in release package (ffix, rangen)
- DC-5384/ #308886: File level restore fails when multiple splits are being selected at once
- DC-5367/ #308613: Linux file backups may misinterpret file sets with special characters
- DC-5352/ #309360: Rebuilding the pool DB fails
- DC-5305/ #307412: Linux pipe backups wrongly escape file paths
- DC-4654/ #305817: Execution plan results shown multiple times although plan only executed once

Version 7.3.5 (April 2019)

Notable Resolved Issues
- DC-5386: Querying execution plan results is slow
- DC-5275: Execution Plans start but no item is executed in some circumstances

- DC-5153: Single Tape Pool as clone target removes disk pool configuration

Version 7.3.4 (April 2019)

Improvements, Features and Enhancements
- Hyper-V 2019 support

Notable Resolved Issues
- DC-5091: Hyper-V: It is not possible to browse and backup cluster nodes

Version 7.3.3 (March 2019)

Improvements, Features and Enhancements
- Failed file backups that were able to store at least one file are now restorable

Version 7.3.2 (February 2019)

Improvements, Features and Enhancements
- Improved command server and database performance
- Reduced resource consumption of command server
- VMWare/Hyper-V backups and maintenance job can now run in parallel

Notable Resolved Issues
- DC-5219: On Linux the GUI does not show the full directory tree for restore
- DC-5209: Sometimes maintenance finishes successfully but clones are not visible
- DC-5147: Execution plans: Fetched results sometimes are not shown
- DC-5128: VMWare: Sometimes successful backups are not written to database
- DC-5049: Database runs into out of memory exception for orphaned active job
- DC-4996: Execution plans: script fails but execution plan exits with success
- DC-4991/ [#303545](#): Hyper-V: VM of 1TiB size is shown as 2 TiB
- DC-4985: Web UI: VMWare restore not possible under certain conditions
- DC-4974: Email reporting does not send updated report information
- DC-4938: Hyper-V: Error occurs when destination directory is not empty
- DC-4859: Hyper-V: VM is searched on the wrong volume
- DC-4773: Command server does not handle Unicode characters in path properly
- DC-4634: Command server crashes with out of memory exception
- DC-4609: GIR pool clone target not updated after changing backup server default address
- DC-4528: Dashboard is not notifying that disk pools are not accessible
- DC-3724: Rescanning inventory on VMware job that exists ends up with a Java Exception
- DC-3684: VSS-backups may signal OK to VSS although backup failed
- DC-3457: Change Service Account fails
- DC-3455: Restore loops endlessly when temp director has no space left
- DC-2687: first backup on a single tape pool on new tape always gets deleted

Version 7.2.1 (October 2018)

Improvements, Features and Enhancements

- Improved Speed for Clone Jobs
- Optimized Backup Job Menu for better usability
- Clone operation results are available as a list of cloned backups with corresponding durations, speeds and results.
- VMware Backup Jobs can enable CBT automatically
- Manual Job execution notify the user that the job has been started
- Starting maintenance, will notify the user, automatically update the clone targets and show the configuration summary to the user.
- Added support for LTO8 and LTO9
- Added the ability to maximize the Result Window for Backups, Restores or Maintenance operations

Known Issues

- DC-3648   SQL: Backup/Restore may fail with DBs named with special-characters
- DC-4728   Windows Defender SmartScreen might prevent Installer execution

Version 7.2 (July 2018)

Improvements, Features and Enhancements

- Backup Staging for GIR Pools.
- Several enhancements for Hyper-V and VMware.
- Fixes and enhancements to make the new licensing most stable and accurate.

Notable Resolved Issues

- DC-3366   Hyper-V Backup: In some cases 2nd and 3rd of 3 selected backups failed
- DC-3301   Hyper-V Backup process got stuck when trying to back empty VM's
- DC-4428   Hyper-V Backup failed with "exvmconf" failed to get virtual machine for query ..."
- DC-3921   Hyper-V Cluster Cross Restore could have failed due to Ethernet switch issues
- DC-3919   Hyper-V Cluster Restore sometimes had an unexpected error warning
- DC-3639   Hyper-V Restore of VMs from disk-pools sometimes failed on Server 2016
- DC-3256   Hyper-V Restore failed when having quotes in the name
- DC-3059   Hyper-V: Error message after the attempt to start a restored VM
- DC-3197   Hyper-V Restart during VM backups caused wrong exit code on job restart
- DC-3153   Hyper-V Granular Item Restores didn't work anymore after30 timeout exceeded
- DC-3147   Hyper-V: "mount Volumes" for GIR restores didn't provide scripts on the Desktop
- DC-3107   Hyper-V: When selecting "All VM's" sometimes not all VM's showed selected
- DC-3191   Hyper-V: Cancelling the restore of locked Volumes failed
- DC-3713   Hyper-V on Windows 10 showed up as being able to be backed up
- DC-4438   VMware GIR restore from diff restores state of full
- DC-3166   VMware: Snapshots were not removed when backup pool ran out of disk space

- DC-4382   Restore from alternate media pool sometimes failed.
- DC-3204   Restore: Disk pool was not shown when backup server was addressed via IP
- DC-4256   Restore: NTFS Permissions (ACL's) for files & folders wasn't restored
- DC-3517   Retention Management: Retention didn't delete list-files
- DC-3063   Execution Plan: Scripts might have failed without reporting it.
- DC-2695   Execution Plan: Modifying an interval schedule converted it to a standard schedule
- DC-3487   File Backup: Excluding files on UNC paths backups didn't work
- DC-3494   Storage Management: Disk-pool maintenance finished without a trace
- DC-4752   Upgrading from 7.0 or earlier sometimes caused the RCMD services not starting.
- DC-4322   Cancel GIR retention during a running clone job, provided confusing information.
- DC-2560   Network location backups didn't allow to exclude files & folders
- DC-3679   Running a lot of small jobs simultaneously, caused some jobs to fail.
- DC-4734   Snapshots of UNC path give VSS warning now instead of an backup error
- DC-3310   Special characters in a network-share name lead to backup errors
- DC-3792   Notes Backup: DBs with character "ß" in the name couldn't be backed up
- DC-3419   Linux (CentOS): Installer showed unnecessary warnings
- DC-3788   Desktop icons got new names to better distinguish

Known Issues
- DC-3648   SQL: Backup/Restore may fail with DBs named with special-characters

Version 7.1.1 (April 2018)

Notable Resolved Issues
- DC-4438   VMware GIR restore treated differential backups like incrementals
- DC-4521   Datacenter GUI crashed when storage counter limit was exceeded
- DC-4489   Split Backup Jobs had wrong data volume reporting
- DC-4388   Virtual Server which is used as Hyper-V Host pulled 2 licenses
- DC-4346   Physical server node required a free VM Host license to be added.
- DC-3772   Expired license didn't alert the user about license expiration

Known Issues
- DC-3713   Windows 10 Hyper-V showing up as being able to backup VMs
- DC-2560   Unable to exclude folders & files when backing up from network location

Version 7.1 (January 2018)

Improvements, Features and Enhancements
- DC-3778   Added GIR Backup support for Hyper-V 2008R2 / 2012
- DC-4330   Added data usage overview dialog to report manager
- DC-4327   Optimized License Server handling
- DC-4282   Mark old Nodes with too low RCMD version in nodes management
- DC-3709   Added hostname for the maintenance info in the dashboard

Notable Resolved Issues
- DC-3703   Resolved insufficient error messages when using library already in use
- DC-4293   Resolved failed Cluster VM`s Backups
- DC-4276   Fixed Execution plan CMD scripts to properly convert during version upgrades
- DC-4275   VMware: "Edit job" may claim that VMs not existing anymore / Not all VMs listed
- DC-4268   VMware: Adding vCenter Host to proxy may fail with "Could not add VMware proxy"
- DC-3467   VMware backup to standard pools: Transport mode cannot be chosen
- DC-3456   VMware: selection list for restore into VM is in an old state
- DC-2939   VMware: backup/replication/restore will fail if data store name contains an "&"
- DC-4265   Layout problem in error dialog
- DC-3787   Jobs in execution plan sometimes wasn't be triggered correctly
- DC-3700   Resetting of table filter criteria in reports fails
- DC-3609   Hyper-V restore to different server: Pre-check missing if selected destination folder is empty
- DC-3540   CentOS7: Executor start error
- DC-3477   Storage Mgmt: Null Pointer exception while attaching Tape Library
- DC-3413   TLM LNX: Impossible to label scratch pool
- DC-3377   TLM: Casting error when creating library partition
- DC-3376   Storage Mgmt: NullPointerException when reattaching Library
- DC-3251   Security code should be logged into server side account.log instead of client Hiback.log

- DC-3213   Backup with 2 Media Pools: switch to 2nd Media Pool not working
- DC-3122   dc-ejb.log full of <EXCEPTION>
             [de.novastor.dc5.ejb.PeriodicalServiceEJB.taskPlanExecutor] null
- DC-2817   Exchange Backup: Hiback gets SIGSEGV and vssdba takes 100% CPU

Known Issues
- DC-4302   VMware: Disk selection not available when connected to an ESX(i)
- DC-4300   DataCenter installation/uninstallation is recognized as Ransomware by BitDefender
- DC-3594   Storage Mgmt: Merge backups do not create synthetic savefiles

Version 7.0 (November 2017)

Improvements, Features and Enhancements
- Web-based User Interface
- Disc Selection for VMware Backups
- 1-Click --Diagnostic Collector
- Improved License Management

Notable Resolved Issues
- NBKENGINE-3128   Installation: CmdSvr Installer throws a warning regarding firewall
- NBKENGINE-3605   DC7 display error when configuring a firewall on w2008 with firewall OFF
- NBKENGINE-3635   Nodes Mgmt: UpdateNode->ShowInstalledVersions shows version UNKNOWN
- NBKENGINE-3564   Backup File: 2nd Media Pool is not selectable for Full Backup Target in case of "Backup Scheme = 'Full-Inc' or 'Full-Diff' "
- NBKENGINE-3567   After starting a VMware backup job with a lot of sub jobs, it is not possible to cancel them.
- NBKENGINE-3627   Installation: Install of DC submodules into custom folders may fail on Ex2010/W2008
- NBKENGINE-3635   Nodes Mgmt: UpdateNode->ShowInstalledVersions shows version UNKNOWN
- NBKENGINE-3652   Duplicate Job Not Grayed Out When Selecting Blank Space
- NBKENGINE-3656   VMware GIR diff backup fails: An unexpected error occurred (0xC000002C)
- NBKENGINE-3658   dc-ejb.log shows remote install password
- NBKENGINE-3661   VMware backups end prematurely, but vmware.exe still runs
- NBKENGINE-3662   File job ends prematurely, Hiback still runs and ends without error
- NBKENGINE-3664   Make mail report template more flexible
- NBKENGINE-3704   Corrected global file set FULL_LINUX_localdrives
- NBKENGINE-3739   HUI: very slow restore browsing
- NBKENGINE-3542   Installation: Got an error message at Startup Wizard
- NBKENGINE-3543   VDDK Log File Size
- NBKENGINE-3534   BMR: Support ADK for Windows 10 (1703) added

- NBKENGINE-3390 DataCenter Linux (GUI): several error messages
- NBKENGINE-3469 VMware: Restore to origin destination fails if VM name is >= 80 chars and origin VM exists
- NBKENGINE-3480 VMware: Restore fails if target VM name, containing an %, already exists
- NBKENGINE-3482 VMware: Restore mounted volumes with InvocationTargetException
- NBKENGINE-3490 Installation: Client Installer uses wrong port for Web GUI
- NBKENGINE-3499 Restore: User needs unexpected right to restore from backup server via alias
- NBKENGINE-3510 GUI: "Restore" buttons erroneously activated
- NBKENGINE-3544 Dashboard: Optimize media pool loading mechanism
- NBKENGINE-3511 Restore File: Missing exit code and error message
- NBKENGINE-3516 Configuration: Test emails or Report emails are not sent
- NBKENGINE-3531 GUI: Integrate new icons
- NBKENGINE-3429 BMR: ISO to USB conversion does not work
- NBKENGINE-3554 Storage Mgmt. LNX: Retention jobs may cause hanging DC Systems under Linux
- NBKENGINE-3257 Problems with CRP
- NBKENGINE-3500 Nodes Mgmt.: Adding a new node will not fill out the virtual server flag
- NBKENGINE-3446 Describe OpenEJB audit.log configuration
- NBKENGINE-3314 TaskExecutionPlans wrong handling missing exit codes
- NBKENGINE-3334 File Restore: original media pool not shown in source options
- NBKENGINE-3176 Hyper-V: Custom path starting with "C:\tmp" parsed incorrectly
- NBKENGINE-3205 TLM LNX: Retention deletes list file regardless of retention time
- NBKENGINE-2624 The report sent by email is malformed.
- NBKENGINE-2366 NodeManagement and Execution Plans: hostname mismatch leads to malfunction
- NBKENGINE-2539 Restore: very slow browsing of backups with SPL=8 and SkipMountpoint=no

Known Issues
- NBKENGINE-3751 Collection of diagnostics fails with trying to download the zip file from a 127.x.x.x address.
- NBKENGINE-3676 Installation: Login not possible when DC has been installed in a directory containing special characters.
- NBKENGINE-3648 SQL: Backup/Restore may fail with DBs named with special-characters
- NBKENGINE-3579 Hyper-V backup to standard pool: "Saved State" shown as "offline" instead of "online". Please use GIR pools.

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