



Release Notes: NovaBACKUP 19.0

NovaBACKUP 19.0 (June 2017)

Backup For The Rest of Us

What's new in NovaBACKUP 19.0 ?

- Improved performance of import and restore operations for file-based backups (increased speeds when scanning, indexes are now stored with backup media) to increase restore speeds
- New logic prevents users from incorrectly selecting "overwrite media" on incremental backups
- Removed the check for application updates before each backup runs except when backing up to an xSP storage device
- Certified for Windows 10 and supports Microsoft Windows 10 Creators Update
- Added Korean language support

Fixed Issues / Bugs

- Fixed issues when restoring from xSP where client cannot restore file following DST time change
- Backup no longer hangs on Outlook PST file with VSS OFF (skips locked PST files)
- Fixed localization of reports with text corrections to UI (German; Copy Settings)
- CMon now automatically re-establishes connection to the server should it become disconnected
- CMon now maintains server settings even if .NET 4 is not installed (rather than reverting to default)
- Fixed issue where retention doesn't delete files on a 32-bit Operating System
- Fixed issue where scheduled incremental image backups fail after a full backup is run
- Fixed issue where the setup installer fails to install the ext file system driver if the code signing certificate has expired, which causes the installation to roll back

Known Issues

- Creating boot CDs with the "simple" mode requires the presence of Windows installation files on the system. If these files are missing, use the "extended" mode to create a boot CD.
- A backup client with a newer major version cannot connect to an older NovaBACKUP Storage Server (xSP Device)



Installation Notes

NovaBACKUP PC

System Requirements:

- 1.3 GHz processor minimum
- 1 GB of free RAM minimum
- 3 GB free hard drive available space on OS drive (Full installation size is approximately 300MB)
- Internet Explorer 9 or higher
- TCP/IP network

*Supported Operating Systems (64 and 32 Bit for all versions)**

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7 SP1

** Image Backups do not support Tablet-based devices.*

NovaBACKUP Server

System Requirements:

- 1.3 GHz dual-core processor minimum
- 1 GB of free RAM minimum
- 3 GB free hard drive available space on OS drive (Full installation size is approximately 300MB)
- Internet Explorer 9 or higher
- TCP/IP network

*Supported Operating Systems (64 and 32 Bit for all versions)**

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7 SP1
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 SP2
- Windows Small Business Server 2011
- Windows Small Business Server 2008 SP2

** Image Backups do not support Tablet-based devices.*



NovaBACKUP Business Essentials

System Requirements:

- 1.3 GHz processor minimum
- 1 GB of free RAM minimum
- 3 GB free hard drive available space on OS drive (Full installation size is approximately 300MB)
- Internet Explorer 9 or higher
- TCP/IP network

*Supported Operating Systems (64 and 32 Bit for all versions)**

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7 SP1
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 SP2
- Windows Small Business Server 2011
- Windows Small Business Server 2008 SP2

** Image Backups do not support Tablet-based devices.*

Supported Applications (Business Essentials):

Microsoft SQL Server

- Microsoft SQL Server 2008 SP3
- Microsoft SQL Server 2008 R2 SP2
- Microsoft SQL Server 2012 SP1
- Microsoft SQL Server 2014
- Microsoft SQL Server 2016

Microsoft Exchange Server

- Microsoft Exchange Server 2007 SP3
- Microsoft Exchange Server 2010 SP3
- Microsoft Exchange Server 2013 SP1
- Microsoft Exchange Server 2016



Microsoft Hyper-V Server

- Microsoft Hyper-V Server 2008 R2
- Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2012 R2
- Microsoft Hyper-V Server 2016²

VMware (with vStorage API)

- VMware ESX(i) 5.x
- VMware ESX(i) 6.x
- VMware vSphere 5.x
- VMware vSphere 6.x

Backing up Virtual Machines

Microsoft Hyper-V

- Backing up Microsoft Hyper-V is supported only on Microsoft Server operating systems (not Windows 8 / 8.1). In order to back up Microsoft Hyper-V virtual machines, you will need to have NovaBACKUP Business Essentials installed on the Hyper-V Host Operating System.

VMware ESXi / vSphere

- You will need NovaBACKUP installed on a machine (Physical or Virtual) with a supported operating system and your VMware vSphere installation requires the vStorage API. The machine that NovaBACKUP is installed on needs to have network connectivity to your VMware vSphere server. NovaBACKUP may be installed on a Virtual Machine but will not be able to directly back up its own Virtual Machine.

NovaBACKUP Virtual Dashboard Requirements

NovaBACKUP Virtual Dashboard, Backing up and Restoring Virtual Machines with the ability to restore individual files, and Replication have separate system requirements than other parts of the product.

Supported Hypervisors (Virtual Dashboard):

- Windows Hyper-V Server 2012
- Windows Hyper-V Server 2012 R2
- Windows Hyper-V Server 2016
- VMware ESX(i) 5.x (w/vStorage API)
- VMware ESX(i) 6.x (w/vStorage API)
- VMware vSphere 5.x (w/vStorage API)
- VMware vSphere 6.x (w/vStorage API)



NovaStor Granular Restore Supported Applications

Granular restore of Microsoft Exchange (single mailbox) and Microsoft SQL is handled using the NovaStor Granular Restore application, included with the NovaBACKUP Business Essentials solution. Below are basic system requirements but you can find more by checking our website:

[For more information, visit our support page.](#)

Microsoft Exchange mail store database versions

- 2007 RTM
- 2007 SP1
- 2007 SP2
- 2007 SP3
- 2010 RTM
- 2010 SP1
- 2010 SP2
- 2010 SP3
- 2013 RTM
- 2013 SP1
- 2016 RTM
- 2016 CU1
- 2016 CU2

Microsoft Outlook (PST/OST) version files

- 2007
- 2010
- 2013

Microsoft SQL Server database (MDF/BAK) versions

- 2008
- 2008 R2
- 2012
- 2014
- 2016



Supported Backup Devices and Media:

Local:

- SCSI, IDE (Parallel-ATA), SATA, and SAS Hard Drives
- External Hard Drives – USB 1.1 / 2.0 / 3.0, FireWire
 - Format external drives > 2TB with [GUID Partitions \(GPT\) instead of MBR](#)
 - Microsoft ReFS file systems are unsupported
- Network Storage (SAN or NAS / Network Share with CIFS or SMB Support)
- Single Tape Drives
- Flash Storage (USB)

Offsite:

- NovaStor Service Provider
- FTP (FTP, SFTP, FTPS)
- Amazon S3

Image Disaster Recovery:

- Bootable CD/DVD Recorder and CD/DVD Media is required (Or USB)
- Local / Removable Hard Drives
- NAS Devices

NovaBACKUP Central Monitoring Console (CMon) Server Requirements

- Intel Dual Core CPU or better
- 4 GB of RAM minimum
- 3 GB free hard drive available space on OS drive
- Internet Explorer 9 or higher
- TCP/IP network
- .NET 4
- Microsoft SQL Server 2008 R2 or newer (Optional)
- IIS 7.5 or higher with IIS 6 Management Compatibility (Optional)

Supported Operating Systems

- Windows Server 2008 SP2
- Windows Server 2008 R2 SP1
- Windows Server 2012
- Windows Server 2012 R2



NovaBACKUP Central Monitoring Console (CMon) Client

Client-Side Supported HTML5 Web Browsers (Desktop/Tablet/Mobile Phone)

- Microsoft Internet Explorer 9 or higher
- Microsoft Edge 25.10586 or higher
- Google Chrome 51 or higher
- Mozilla Firefox 47 or higher
- Apple Safari 9.1 or higher
- Apple Mobile Safari 6.0 or higher
- Android Browser 5.0 or higher
- Blackberry 10 browser or higher
- Opera Mobile 10 or higher
- Amazon Silk

Client-Side Browser Requirements

- JavaScript must be enabled
- Cookies must be enabled
- Local storage must be enabled with a minimum size of 10KB
- Internet Explorer specific requirements:
 - Active scripting must be enabled
 - Enhanced Security must be disabled
 - Protected Mode must be disabled
 - Compatibility mode must be disabled
 - Script debugging disabled
 - File downloads must be enabled for downloading reports

Installation Notes:

All installations require an Administrator Account and cannot be installed under a Limited User Account.

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