



## Release Notes: NovaBACKUP 18.7

NovaBACKUP 18.7 (February 2017)

Backup For The Rest of Us

### What's new in NovaBACKUP 18.7 ?

- Improved backup speed. Actual performance increase varies depending on the hardware and configuration, but is expected to average roughly 10% when backing up to external devices such as USB or NAS drives.
- Advanced Backup Verification of back-up data files (optional). The backup jobs perform double-data reads and comparison at a low-level.
- Single pass image recovery scans the last full image backup, then goes through each subsequent incremental backup to acquire any later file revisions for a seamless System Image recovery process.
- Added ability to specify a custom subject line in existing email notification settings (excluding virtual machine backup jobs)
- 'Shutdown' and 'Restart' options added to backup jobs (excluding virtual machine backup jobs)
- Numerous Stability Improvements

### Fixed Issues / Bugs

- Fixed issue where the time-based restore tab was not showing all the expected tick marks when initially displayed, and was not correctly filtering the file set for the selected date and time.
- Fixed issue when trying to restore data to network locations.
- Fixed issue where a backup could fail if no network is available on systems that use double-byte character sets (for example, Japanese or Korean).
- Fixed issue when trying to import backup if data is encrypted.
- Fixed issue that may have occurred when attempting to span tapes.
- Fixed issue when trying to create Simple Mode Boot disc.
- Fixed issue where Image Backup failed to write boot image directly to optical media.
- Improved error handling to fix issue where error alert was generated by a restore from user with invalid credentials.
- Fixed issue where the wrong default value for backup retention setting is used when creating a new retention job.
- Fixed localization issues for some languages and references to Disaster Recovery versus Image Backup.
- Disabled JavaScript error dialogs that may appear in embedded web browsers.



- Removed analytics, which was causing warnings with some security software products.
- Fixed issues when opening log files that were created in a different date time format than what is currently configured on the system.
- Fixed issue where CMon is not able to show log details of Image Jobs.
- Fixed issue when restoring drive from image backup where the partition drive letters have changed from their original drive letters
- Fixed issue where the Virtual Dashboard may produce an error message after performing an upgrade from or to a custom backup client build
- Fixed issue when the context menu is not displayed properly on Windows 10 when right-clicking in the “Open” dialog

## 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.

## Installation Notes

### NovaBACKUP PC

#### *System Requirements:*

- Pentium 4 or better
- 1 GB of 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 Vista SP2

### NovaBACKUP Server

#### *System Requirements:*

- Pentium 4 or better
- 1 GB of 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 Vista SP2
- 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
- Windows Server 2016<sup>1</sup>

**NovaBACKUP Business Essentials**

*System Requirements:*

- Pentium 4 or better
- 1 GB of 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 Vista SP2
- 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
- Windows Server 2016<sup>1</sup>

*\* 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<sup>1</sup>

### ***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 2012
- Microsoft Hyper-V Server 2012 R2
- Microsoft Hyper-V Server 2016<sup>2</sup>

### ***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 to 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<sup>2</sup>
- 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 Device 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.

<sup>1</sup> Windows Server 2016 Technical Preview 5

<sup>2</sup> Microsoft Hyper-V Server 2016 Technical Preview 5

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