

# System Requirements

## *"NovaBACKUP 19.6"*

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## NovaBACKUP PC, Server & Business Essentials

### System Requirements

- 1.3 GHz processor minimum
- 4 GB RAM minimum for NovaBACKUP PC and Server and 8 GB RAM minimum for NovaBACKUP Business Essentials
- 10 GB free hard drive available space on OS drive. (Full installation is approximately 500MB)
- Internet Explorer 11 or higher
- TCP/IP network
- \*All installations require an Administrator Account and cannot be installed under a Limited User Account.

### Supported Operating Systems

NovaBACKUP supports both 32 and 64 bit versions of the following Operating Systems\*:

- Windows 10, version 2004 (also known as the Windows 10 May 2020 Update)
- Windows 8.x
- Windows 7 SP1
- Windows Server 2019 (NovaBACKUP Server and Higher)
- Windows Server 2016 (NovaBACKUP Server and Higher)
- Windows Server 2012 R2 (*NovaBACKUP Server and Higher*)
- Windows Server 2012 (*NovaBACKUP Server and Higher*)
- Windows Server 2008 R2 SP1 (*NovaBACKUP Server and Higher*)
- Windows Server 2008 SP2 (*NovaBACKUP Server and Higher*)
- Windows Small Business Server 2011 (*NovaBACKUP Server and Higher*)
- Windows Small Business Server 2008 SP2 (*NovaBACKUP Server and Higher*)

\*Image backups do not support any Tablet-based devices

### 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 Operating Systems (Virtual Dashboard)

#### VMware

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows 10

### *Hyper-V*

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012

### **Supported Hypervisors (Virtual Dashboard)**

- Windows Hyper-V Server 2019
- Windows Hyper-V Server 2016
- Windows Hyper-V Server 2012 R2
- Windows Hyper-V Server 2012
- VMware vSphere 6.x (w/vStorage API)
- VMware vSphere 5.x (w/vStorage API)
- VMware ESX(i) 6.x (w/vStorage API)
- VMware ESX(i) 5.x (w/vStorage API)

Note: VMware 7 is not yet supported.

### **NovaBACKUP Granular Restore**

Granular restore of Microsoft Exchange (single mailbox) and Microsoft SQL is handled using the NovaBACKUP Granular Restore application, included with the NovaBACKUP Business Essentials solution.

Below are basic system requirements and the list of items that Granular Restore supports.

#### **Microsoft Exchange mail store database versions**

- 2016 RTM, CU1 - CU17
- 2013 SP1, CU1 - CU23
- 2010 SP3, Update Rollup 30

Note: Microsoft Exchange 2019 is not yet supported.

#### **Microsoft Outlook (PST/OST) version files**

- 2016 - OST file of 2016 version is not supported.
- 2013 - OST file of 2013 version is not supported.
- 2010

## Microsoft SQL Server database (MDF/BAK) versions

- 2019
- 2017
- 2016 SP1
- 2014 SP2
- 2012 SP3

## Supported Applications (NovaBACKUP Business Essentials)

### Microsoft SQL

- Microsoft SQL Server 2019
- Microsoft SQL Server 2017
- Microsoft SQL Server 2016 SP2
- Microsoft SQL Server 2014 SP3
- Microsoft SQL Server 2012 SP4

### Microsoft Exchange

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

Note: Microsoft Exchange 2019 is not yet supported by NovaBACKUP.

### Microsoft Hyper-V

- Microsoft Hyper-V Server 2019
- Microsoft Hyper-V Server 2016
- Microsoft Hyper-V Server 2012 R2
- Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2008 R2

### VMware (Licensed with vStorage API)

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

## Backing up Virtual Machines (VMware 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.

## Supported Backup Devices and Media

### Local Devices

- SATA, SCSI and SAS Hard Drives
- External Hard Drives formatted NTFS - USB 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
- USB flash drives formatted NTFS

### Offsite

- NovaBACKUP Service Provider
- NovaBACKUP-Hosted Cloud
- Amazon S3

### System Image

- Bootable media requires a USB flash drive (up to 32GB) or CDROM
- Local drive
- Local network share
- Local NAS devices

## NovaBACKUP Central Monitoring Console (CMon)

### Server System Requirements

- Intel Dual Core CPU or better
- 4 GB of RAM minimum (up to 5 backup agents) / 8 GB of RAM minimum (if more than 5 backup agents)
- 10 GB free hard drive available space on OS drive
- TCP/IP network
- Microsoft .NET Framework 4.x
- CMon uses a built in SQLite database by default, or Microsoft SQL Server for all Windows editions including Express, Standard, Enterprise. If more than 5 backup agents, use Microsoft SQL Server.

- Supported versions of Microsoft SQL Server are 2019, 2017, 2016, 2014, and 2012. Note: 2012 may have less performance and is not recommended for CMon. SQL 2017 and 2019 are recommended for CMon. Note: SQL Server Express edition is limited to a database size of 10 GB.
- CMon uses a built in web server by default, however it can use IIS 7.5 or higher with IIS 6 Management Compatibility (Optional). We strongly recommend using IIS for CMon combined with SQL Server 2017+.

### *Supported Operating Systems*

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 SP2

### *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

## Note for all installations

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

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