VERITAS Backup Exec™ 10.0 for Windows Servers

Quick Installation Guide
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VERITAS Backup Exec for Windows Servers
Quick Installation Guide

This guide provides instructions for installing Backup Exec 10.0 for Windows Servers and its options to local servers using the Backup Exec installation program. For instructions on installing Backup Exec from the command line, installing Backup Exec media servers to remote computers, installing Backup Exec remote agents and options on remote servers, or installing Backup Exec Remote Administrator, see the chapter titled "Installing Backup Exec" in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.


System Requirements

The following are the minimum system requirements for running this version of Backup Exec:

Minimum System Requirements

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Microsoft Windows 2000 Server family.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Microsoft Windows XP Service Pack 1 or later.</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Storage Server 2003</td>
</tr>
<tr>
<td></td>
<td>Microsoft Small Business Server 2003 Standard and Premium</td>
</tr>
<tr>
<td></td>
<td>Microsoft Small Business Server 2000</td>
</tr>
</tbody>
</table>

| Internet Browser                         | Internet Explorer 6.0 or later. |

| Processor                                | Intel Pentium, Xeon, or compatible |
System Requirements

Minimum System Requirements (continued)

| Memory | Required: 256 MB RAM  
Recommended: 512 MB RAM (or more for better performance).  
**Note** RAM requirements may vary depending on operations performed, the options installed, and the specific machine configuration. 
Virtual Memory Recommendations: 20 MB above Windows recommended size for total paging file size (total for all disk volumes). To view or set the paging file size:
* On Windows 2000, click **Start**, point to **Settings**, and then click **Control Panel**. Double-click **System**, click the **Advanced** tab, and then click **Performance Options**. Click **Change** to reset the paging file size for all drives.  
* On Windows Server 2003 and Windows XP, go to **Control Panel**, double-click **System**, click the **Advanced** tab, and then in **Performance**, click **Settings**. Click the **Advanced** tab, and then in **Virtual memory**, click **Change** to reset the paging file size for all drives. |
| Disk Space | 350 MB (Typical installation)  
550 MB (Includes all options)  
**Note** Disk space requirements may vary depending on operations performed, the options installed, and the specific system configuration. Backup Exec databases and catalogs will require additional space. |
| Other Hardware |  
* (Recommended if remote activity is to be performed) Network interface card or a virtual network adapter card.  
* CD-ROM drive.  
* (Recommended) A mouse.  
* (Optional for pager notification) Modem supported by Microsoft Windows.  
* (Optional for printer notification) Printer supported by Microsoft Windows. |
The Backup Exec Environment Check

The VERITAS Backup Exec for Windows Server Environment Check is a utility that you run on a computer and that reports the following:

- If the computer meets the minimum requirements for installation, such as the operating system, disk and memory space, sufficient logon account privileges, etc.
- If third-party software that uses Backup Exec ports is configured correctly.
- If required components are installed, and if they are versions that are compatible with Backup Exec.
- If previous versions of Backup Exec and Backup Exec options are installed.
- If storage device hardware and associated drivers are properly installed and recognized by the Windows operating system.

For each item, the Environment Check reports if it passed the check, if additional configuration during the Backup Exec installation will be necessary, or if changes will be required before the Backup Exec installation can be successful.

It is recommended that you run the Backup Exec Environment Check on a computer before you install Backup Exec. You can also run it at any time after installation to check the computer’s configuration.

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**Minimum System Requirements (continued)**

**Storage Hardware**

Backup Exec requires at least one storage media drive and/or single-drive robotic library and the appropriate controller card. Removable storage devices and non-removable hard drives can also be targeted for backups. Refer to the Backup Exec hardware compatibility list (http://support.veritas.com/rd/bews-compatibility.htm) for a complete list of devices that are supported.

Support for a single robotic library drive is available when you purchase Backup Exec. To enable support for additional robotic library drives, you must purchase the Backup Exec Library Expansion Option.
To run the Backup Exec Environment Check:

1. Insert the Backup Exec installation CD into a drive on the computer that you want to review.

2. From the installation CD browser, under Installation, click Backup Exec Environment Check.
   The Welcome screen for the Backup Exec Environment check appears.

3. Click Next to start the check.
   The results that are reported for each item are:
   - **Passed.** There are no incompatibilities that will prevent the Backup Exec installation. For hardware, this result indicates that the hardware configuration is recognized by Backup Exec.
   - **Warning.** An incompatibility with Backup Exec exists, but can be resolved during the Backup Exec installation.
   - **Failed.** An incompatibility with Backup Exec exists, and it will cause the installation to fail. Some action is required before you can successfully install Backup Exec.

   A final summary in the results window on the Backup Exec Environment Check lists recommended and required actions. You can print the results by clicking Print on the Environment Checks screen.
   The results are also saved to:

   C:\temp\VERITAS\EnvironmentChecks.html.

4. Click Finish to exit the wizard.
Installing Backup Exec

Note To make sure that the computer meets the minimum system requirements before installing Backup Exec, run the Backup Exec Environment Check. For more information, see “The Backup Exec Environment Check” on page 3.

When installing Backup Exec, use the installation program on the Backup Exec CD, or install it from the command line, which is referred to as Silent Mode Installation. The silent mode installation uses the `setup.exe` program on the Backup Exec CD.

If you are installing an Evaluation version of Backup Exec, you can install any additional options. To install the Backup Exec Web Administration Console, you must be installing Backup Exec on a server appliance or on a Windows Server 2003 server with the Remote Administration (HTML) components installed.

Please note the following information before installing Backup Exec:

Minimum system requirements

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Make sure that storage device hardware and associated drivers are properly installed and recognized by the Windows operating system.</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Exit all programs before installing Backup Exec.</td>
</tr>
<tr>
<td>Rights</td>
<td>To install Backup Exec, Administrator rights are required, or the account must belong to an Administrator-equivalent group.</td>
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</table>
Installing Backup Exec

Minimum system requirements (continued)

The Backup Exec Service Account

All Backup Exec services on the media server run in the context of a user account configured for the Backup Exec system services. This account can be created during the Backup Exec installation, or an existing user account can be used. To create a service account for Backup Exec during installation, enter the name and password of an Administrator account for the Backup Exec services to use.

If this computer is in a domain, enter a Domain Administrators account, or an equivalent account that is part of the Domain Admins group. In the Domain list, select or enter the Domain name.

If this computer is in a workgroup, enter an Administrators account, or an equivalent account that is part of the Administrators group on the computer. In the Domain list, select or enter the computer name.

The account designated for Backup Exec services - whether it is a new account or an existing user account - will be assigned the following rights:

- Authenticate as any user and gain access to resources under any user identity.
- Create a token object, which can then be used to access any local resources.
- Log on as a service.
- Administrative rights (provides complete and unrestricted rights to the computer).
- Backup operator rights (provides rights to restore files and directories).
- Manage auditing and security log.

Due to security implementations in Microsoft Small Business Server, the service account must be "Administrator."

On a computer running Windows Server 2003 or Windows XP, you cannot install Backup Exec using a service account that has a blank password. If you attempt to do so, the following error message displays when Backup Exec services are created:

"The given password is not correct for account [server]\[username]."

You can configure Windows to allow for blank passwords. For more information, see your Windows documentation.
Installing Backup Exec on a Local Server Using the Installation Program

The Backup Exec CD includes an installation program that guides you through the installation process.

**Note** If you are installing Backup Exec through Terminal Services and the installation media is on a shared drive (CD-ROM or network share), you must install it using a UNC path. Installation via mapped drives is not supported in this situation.

**▼ To install Backup Exec using the installation program:**

1. From the installation CD browser, select the option to install VERITAS Backup Exec. The Welcome window appears.

2. Click **Next** to continue with the installation. The License Agreement appears.

3. Select **I accept the terms of the license agreement**, and then click **Next**.

4. Select **Local Install** and **Install Backup Exec software and options**, and then click **Next**. The VERITAS Backup Exec Serial Numbers dialog box appears.

5. You can type the serial numbers for Backup Exec and any options, or you can import an existing besernum.xml file to enter the serial numbers.
   
   - To manually enter the serial numbers for Backup Exec and any additional options, type the serial number into the field, and then click **Add**. When finished, click **Next**.
   
   - To import the serial numbers from a file, click **Import**, and then browse for and select an existing besernum.xml file. When finished, click **Next**.

**Note** When you click **Next**, the serial numbers you entered are saved to the file besernum.xml, located in the Windows directory.

If a previous installation of Backup Exec for Windows Servers is found on the computer, the serial number appears in the **Existing Serial Numbers** field. To remove an older serial number, select the number and click **Remove**. A serial number is not required for Backup Exec’s fully functional Evaluation version.
Installing Backup Exec

- To install an Evaluation version, click Next without entering serial number information.

  Installing an Evaluation version enables many options that must be purchased separately and are not included as part of Backup Exec.

**Note** For information about clustering Backup Exec, see the topic titled “Installing Backup Exec on a Microsoft Cluster Server” in the *VERITAS Backup Exec for Windows Servers Administrator’s Guide*.

6. Review the local features to be installed.

   You can also select additional features that are available for install when you enter a Backup Exec for Windows Servers serial number. These additional features are:

   - Copy Server Configurations - Enables you to copy server configurations, logon account information, jobs, policies, and selection lists between media servers. You cannot select this feature if you entered a CASO serial number.

   - Tivoli Storage Manager Option - This option enables the TSM server’s storage resources to appear as a tape robotic library in a list of target devices on the Backup Exec server. Backup Exec administrators can then direct the output of any Backup Exec job to the TSM server by selecting the name of the TSM robotic library as the destination when submitting the job. For more information, see the chapter titled "VERITAS Backup Exec - Tivoli Storage Manager" in the *VERITAS Backup Exec for Windows Servers Administrator’s Guide*.

   - Create Clone CD - A clone CD image captures the Backup Exec installation program and your installation settings, such as account information, additional options, and destination directory. After the CD image has been created, it can be copied to a CD. You can then use that CD to install Backup Exec on additional servers using the same settings. For more information, see the topic titled "Installing Locally Using a Clone CD Image" in the *VERITAS Backup Exec for Windows Servers Administrator’s Guide*.

   - Managed Media Server - Makes a standalone media server into a managed media server that is controlled by the central administration server. You cannot select this feature if you entered a CASO serial number.

These features are not selected for install by default, so if you want to use them, you must select them.

All features that are not to be installed have a red "X" displayed in the feature icon. To enable any of these options, click the icon to clear the X, and then follow the prompts to install it. If the feature icon is gray, the option is not available for change.
7. To accept the local features for installation, and to accept the default **Destination Folder** for Backup Exec, click **Next**. To select another destination folder for Backup Exec, click **Change**, and follow the prompts.

**Note** Selecting a mount point as the destination directory is not recommended because the mount point is deleted if Backup Exec is uninstalled.

8. Provide a user name and password that the Backup Exec system services can use (see “The Backup Exec Service Account” on page 6), and then click **Next**.

The VERITAS Backup Exec Database dialog box appears, and you are prompted to select a location on which to store the Backup Exec database.

9. Do one of the following:

- Choose to create a local Backup Exec MSDE instance on which to store the Backup Exec database, and then click **Next**. For more information about creating a local Backup Exec MSDE instance, see the topic titled “Microsoft SQL Server 2000 Desktop Engine (MSDE) Components Installed with Backup Exec” in the *VERITAS Backup Exec for Windows Servers Administrator’s Guide*.

- Choose to use an existing SQL Server 2000 instance (with service pack 3a installed) that is on the network.

  You are prompted to select an instance from a list, or to type the instance name, and then click **Next**.

  Backup Exec will attempt to connect to the instance.

**Note** When Backup Exec is installed into an existing instance, the automated master database restore feature is not available. To recover the Master database, you must replace it with the Master database copy that Backup Exec automatically creates and updates when the Master database is backed up.

When Backup Exec is installed into an existing instance, the Cluster Configuration Wizard is not available.

10. If prompted, select how the VERITAS Device Driver Installer should install device drivers for the tape storage devices that are connected to the server, and then click **Next**.

  It is recommended that you select **Use VERITAS device drivers for all tape devices**.

11. If you are prompted, enter information or choose settings for additional options being installed. Click **Next** after each selection.
12. Read the Backup Exec installation review, and then click **Install**.

   The MSDE 2000 (if selected), VERITAS Update, and Backup Exec program files are installed.

13. When the installation is complete, you can register Backup Exec online, view the readme, create a shortcut to Backup Exec on the desktop, and restart the computer.

   If **Restart System** appears, restart the computer in order for the configuration to take effect.

   An installation job log named *bkupinst.log* is created in the Windows root directory on the computer where Backup Exec is installed. This file lists any errors that may have occurred during installation. The last line of the log indicates if the installation was successful and if restarting the computer is required.

   After installing Backup Exec on the media server, Backup Exec Workstation Agent software can be installed and configured on remote workstations on the network.

### Installing Backup Exec Options to the Local Computer

You can install additional options, such as the Library Expansion Option, when you are installing Backup Exec by following the procedures described in “Installing Backup Exec on a Local Server Using the Installation Program” on page 7. However, if you have already installed Backup Exec and want to install additional options, you should first review the section in the *VERITAS Backup Exec for Windows Servers Administrator’s Guide* on that option to ensure that you have met all minimum requirements and then continue with the following steps.

If you have installed the Evaluation version of Backup Exec or have installed the Not For Resale (NFR) or the Open Option Suite edition, you can install evaluation versions of the additional options.

**Note** If you are installing Backup Exec through Terminal Services and the installation media is on a shared drive (CD-ROM or network share) you must install using a UNC path. Installation via mapped drives is not supported.

The Backup Exec services are stopped while the additional options are installed. If any active jobs are running, you are prompted to stop them, or to wait for the jobs to finish.
Note If the Central Admin Server Option is installed, and you want to install additional options on a managed media server, you can pause the managed media server to disable the central administration server from delegating jobs to it. When the installation is complete, un-pause, or resume, the managed media server.

For more information see the topic titled "Pausing and Unpausing a Managed Media Server" in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.

To install Backup Exec options on a local media server:

1. Start Backup Exec for Windows Servers or verify that it is running.
2. On the Tools menu, click Serial Numbers and Installation.
3. Review the Welcome window, and then click Next.
4. Type the serial number for the option you want to install, and then click Add.
   To import the serial number from an existing besernum.xml file, click Import.
   If a previous installation of a Backup Exec for Windows Servers option is found on the computer, the serial number appears in the Existing Serial Numbers field. To remove an older serial number, select the number and click Remove. A serial number is not required for a fully functional Evaluation version.
5. Click Next, and review the local features to be installed.
6. To accept the local features for installation, and to accept the default Destination Folder for the option, click Next. To select another destination folder for the Backup Exec options, click Change, and follow the prompts.
   All options that are not to be installed have a red "X" displayed in the feature icon. To enable any of these options, click the icon to clear the X, and then follow the prompts to install it. If the feature icon is gray, the option is not available for change.
7. If you are prompted, enter information or choose settings for additional options being installed. Click Next after each selection.
8. Read the Backup Exec installation review, and then click Install.
   The Backup Exec services are stopped while the additional options are installed. If any active jobs are running, you are prompted to stop them, or to wait for the jobs to finish. When the installation is complete, the services are restarted.
9. Click Finish.
Upgrading from Previous Versions of Backup Exec

This version of Backup Exec for Windows Servers replaces any previous versions; no separate migration or upgrade utility is necessary. Most settings and all catalogs and data directories from previous versions of Backup Exec are kept (for example, when the TSM option adds registry settings). At the end of the installation, the upgrade process is summarized. Only Backup Exec version 8.0 and later can be migrated to this release.

The new version of Backup Exec for Windows Servers (including the Evaluation version) will replace any current installation. Separate installations of different versions cannot exist on the same computer.

For information on migrating templates from Backup Exec version 9.0 and 9.1, see the topic titled "Migrating Templates from Previous Versions of Backup Exec" in the VERITAS Backup Exec for Windows Servers Administrator's Guide.

For information on upgrading from VERITAS Network Storage Executive (NSE), see the topic titled "Migrating from Network Storage Executive v8.6 (NSE)" in the VERITAS Backup Exec for Windows Servers Administrator's Guide.

Before upgrading Backup Exec, do the following:

- Delete job histories and catalogs that you no longer need in order to shorten the upgrade window.
- Run a database maintenance job.

To upgrade from Backup Exec version 8.0 or later:

1. Perform steps 1 through 5 in the topic “Installing Backup Exec on a Local Server Using the Installation Program” on page 7.

2. Enter serial numbers for Backup Exec, and for each Backup Exec option that you want to install, and then click Next.

   Read the Installation Review. To add additional serial numbers, click Back until the VERITAS Backup Exec Serial Numbers page is displayed. Enter the serial numbers, and then click Next to continue.

   The default location is C:\Program Files\VERITAS\Backup Exec\NT.

3. On the Back Up Existing Catalog and Data page, enter or browse to a directory to which all existing catalogs and data will be backed up. The default location is C:\Program Files\VERITAS\Backup Exec\NT\DataBackup.

   If you do not want to keep previous catalogs and data, click Do not back up previous data and catalogs.

4. Click Next to continue.
Before Starting Backup Exec

For best results before starting Backup Exec, do the following:

- Make sure your storage devices are connected and configured properly.
- Decide if your backup will be to a tape device or a disk device. You will be able to configure both during the First Time Startup Wizard.
  - If you’re backing up to a tape device, verify that the device is supported. You can install drivers for the devices during the First Time Startup Wizard.
  - If you’re backing up to a disk device using the Backup-to-Disk feature, decide where you can create a backup folder. You should create it on a disk that won’t be included in the backup jobs and that has enough free space to contain the backup job. For more information, see "Using Backup-to-Disk Folders and Files” in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.
- Understand how Backup Exec provides overwrite protection for your media. For more information, see "Media Overwrite Protection Levels” in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.
- Understand the default media set and its infinite overwrite protection period. For more information, see "Default Media Set” in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.
- Learn about creating new media sets with weekly, monthly, or quarterly retention periods. For more information, see "Media Overwrite Protection" in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.
- Decide what Windows credential you want your Backup Exec logon account to use when browsing and making backup selections. You can use an existing account, or create a new one. You’ll be prompted for a default Backup Exec logon account during the First Time Startup Wizard. For more information, see “Configuring Logon Accounts” in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.

Starting Backup Exec

- To start the Backup Exec Administration Console, click Start, point to Programs, and then click VERITAS Backup Exec for Windows Servers.
  
  If you selected the option to add an icon to your desktop when you installed Backup Exec, you can also double-click the icon to start Backup Exec.
Frequently Asked Questions

How do I run a backup job?

There are several ways to run a backup, depending on your backup needs and level of experience with Backup Exec.

◆ If you are new to Backup Exec, you can use the Backup Wizard, which helps guide you through the setup of a backup job.

◆ If you are an experienced Backup Exec user:
  - On the navigation bar, click Backup to set up the options for a backup job.
  - On the navigation bar, click Job Setup to create a policy to use for multiple backup jobs.

◆ To quickly create a backup job to back up the media server, click the one-button backup link on the Information Desk.

◆ Use Windows Explorer to create a backup job. To enable backups from Windows Explorer, on the Tools menu, select Options. Under Settings, select Preferences. Select the Enable backup from Windows Explorer check box.

For details about the various ways to create a backup job, see “Creating a Backup Job” in the VERITAS Backup Exec for Windows Servers Administrator’s Guide.

Where can I find the wizards?

◆ On the Information Desk.
  - On the navigation bar, click Overview, then under View on the task pane, click Information Desk.
  - On the Tools menu, click Backup Exec Assistant, or further down the Tools menu, click Wizards.

Where can I find the Readme file?

◆ On the Information Desk.
  - On the navigation bar, click Overview, then under View on the task pane, click Information Desk.
  - Under Documentation, click View ReadMe file.

◆ In the directory where Backup Exec was installed.

◆ On the Help menu, click View ReadMe File.
Where can I find the online documentation for Backup Exec?

- On the Information Desk.
  - On the navigation bar, click Overview, then under View on the task pane, click Information Desk.
  - Under Documentation, click View VERITAS Backup Exec Administrator’s Guide.
- On the Help menu.
  - On the Help menu, click Topics to see the online help. Or on the Help menu, click View VERITAS Backup Exec Administrator’s Guide to view an online version of the System Administration Guide in the Adobe Portable Document Format (PDF).

How do I get in touch with Technical Support?

From the Information Desk. On the navigation bar, click Overview, then under View on the task pane, click Information Desk. Under Technical Support, click VERITAS Backup Exec support.