VERITAS Backup Exec™ 9.1 for Windows™ Servers

Quick Installation Guide
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VERITAS Software Corporation
350 Ellis Street
Mountain View, CA 94043
USA
Phone 650–527–8000
Fax 650–527–2908
www.veritas.com
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VERITAS Backup Exec Quick Installation Guide

This guide provides instructions for installing Backup Exec 9.1 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>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Operating System** | Microsoft Windows NT Workstation v4.0 or Microsoft Windows NT Server Operating System v4.0; Service Pack 6a or later.  
 Windows XP Professional (in a domain only). |
| **Internet Browser** | Internet Explorer 5.01 or later; however, version 5.5 is recommended. |
### System Requirements

#### Minimum System Requirements (continued)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>Pentium system.</td>
</tr>
</tbody>
</table>
| **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 NT, click the **Start** button, point to **Settings**, and then click **Control Panel**. Double-click **System**, and then click the **Performance** tab.  
- On Windows 2000 or Windows Server 2003, click the **Start** button, point to **Settings**, and then click **Control Panel**. Double-click **System**, click the **Advanced** tab, and then click **Performance Options**. |
| **Disk Space**  | 550 MB hard disk space required after Microsoft Windows is installed (typical installation). |
| **Other Hardware** | (Recommended if remote activity is to be performed) Network interface card or a virtual network adapter card.  
- CD-ROM drive.  
- (Optional) Printer supported by Microsoft Windows.  
- (Recommended) A mouse.  
- (Optional for pager notification) Modem supported by Windows. |
| **Storage Hardware** | Backup Exec requires at least one storage media drive and/or 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 for a complete list of devices that are supported. Support for multi-drive robotic libraries is available separately. Refer to the Windows Hardware Compatibility list for a complete list of supported SCSI controllers. |
Installation Considerations

Please note the following information before installing Backup Exec:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Make sure that storage device hardware and associated drivers are properly installed and recognized by the Windows operating system.</td>
</tr>
<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>
</tr>
<tr>
<td>The Backup Exec Service Account</td>
<td>All Backup Exec services on the media server run in the context of a user account configured for Backup Exec’s system services. This account can be created during Backup Exec’s installation, or an existing user account can be used. To create a service account for Backup Exec during installation, supply a user name and password when prompted. The account designated for Backup Exec’s services - whether it is a new account or an existing user account - will be assigned the following rights:</td>
</tr>
<tr>
<td></td>
<td>• Authenticate as any user and gain access to resources under any user identity.</td>
</tr>
<tr>
<td></td>
<td>• Create a token object, which can then be used to access any local resources.</td>
</tr>
<tr>
<td></td>
<td>• Log on as a service.</td>
</tr>
<tr>
<td></td>
<td>• Administrative rights (provides complete and unrestricted rights to the computer).</td>
</tr>
<tr>
<td></td>
<td>• Backup operator rights (provides rights to restore files and directories).</td>
</tr>
<tr>
<td></td>
<td>• Manage auditing and security log.</td>
</tr>
<tr>
<td></td>
<td>Due to security implementations in Microsoft Small Business Server, the service account must be &quot;Administrator.&quot;</td>
</tr>
<tr>
<td></td>
<td>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:</td>
</tr>
<tr>
<td></td>
<td>&quot;The given password is not correct for account [server][username].&quot;</td>
</tr>
<tr>
<td></td>
<td>You can configure Windows to allow for blank passwords. For more information, see your Windows documentation.</td>
</tr>
</tbody>
</table>
Installing Backup Exec on a Local Server

**Note** On Windows NT 4.0 Terminal Server Edition, you must install Backup Exec locally on the Terminal Server using Add/Remove Programs, instead of using the Backup Exec installation program. Because the Add/Remove program does not support UNC paths, you will receive an error message if you attempt to install Backup Exec from a Terminal Server Client.

▼ To install Backup Exec using the installation program:

1. Locate the VERITAS Media Kit that contains the Backup Exec for Windows Servers installation CD.

2. Insert the Backup Exec for Windows Servers CD into the CD drive.

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

4. Click **Next** to proceed with the installation. The License Agreement appears.

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

6. Select **Local Install** and **Install Backup Exec software and options**, and then click **Next**.

7. If Backup Exec Setup detects an existing installation of MS SQL Server 2000, you can allow the required Microsoft SQL Server 2000 Desktop Engine (MSDE 2000) components to be installed with Backup Exec and create a default Backup Exec instance, or you can choose to use a SQL Server 2000 instance that already exists on which to run Backup Exec.

**Note** If you choose to install Backup Exec into an existing SQL 2000 instance, make sure that SQL 2000 service pack 3 or later is installed before you continue with the installation.

Select an option, and then click **Next**.

A dialog that requests your serial numbers appears.
8. You can manually enter 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 another 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.

- To install a 60-day evaluation copy of the software, click Next without entering serial number information. Installing an evaluation copy enables many options that must be purchased separately and are not included as part of Backup Exec.

9. Review the local features to be installed.

All features that are not to be installed have an "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.

10. 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.

11. Provide a user name and password that the Backup Exec system services can use (see “The Backup Exec Service Account” on page 3), and then click Next.

12. If prompted, select how to 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.

13. If you are prompted, enter information or choose settings for additional options being installed. Click Next after each selection.

14. Read the Backup Exec installation review, and then click Install.

   The MSDE 2000 (if selected), VERITAS Update, and Backup Exec program files are installed.
15. 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.

If the installation fails, 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. When prompted, click View Installation Log.

If you have trouble installing Backup Exec, see the installation troubleshooting technote at http://seer.support.veritas.com/docs/258576.htm

### Installing Backup Exec Options on a Local Server

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” on page 4. However, if you have already installed Backup Exec and want to install additional options, you should first review the section 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.

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.

**Note** You can also install Backup Exec options using Add/Remove Programs in the Windows Control Panel.

▼ To install an option 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. Click Next when the Welcome window appears.

4. Make sure Local Install and Additional Options are selected, and then click Next.
5. Type the option’s serial number and click **Add**, or click **Import** to import the serial number from an existing besernum.xml file, and then click **Next**.

6. Review the local features to be installed, and then click **Next**.
   
   All features that are *not* to be installed have an “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**.
   
   When the installation is complete, you can choose to restart the computer.

9. Click **Finish**.
   
   If **Restart System** appears, you should restart the computer in order for the configuration to take effect.

   If the installation fails, 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. If prompted, click **View Installation Log**, and check this log.

10. After the computer has rebooted, restart Backup Exec for Windows Servers.

### Upgrading from Previous Versions of Backup Exec

You can upgrade Backup Exec version 8.0 and later to this release. When you install this current version of Backup Exec for Windows Servers, any previous version of Backup Exec 8.0 or later is replaced; no separate migration or upgrade utility is necessary. Most settings and all data from previous Backup Exec 8.0 and later versions (for example, when the TSM option adds registry settings) are kept. At the end of the installation, the upgrade process is summarized.

When upgrading, only the Backup Exec for Windows Servers options for which you have provided serial numbers are upgraded. Components that are already selected in the Backup Exec Install Options dialog box in the install program must remain selected so that all licensed components are upgraded. It is recommended that you add all previous version serial numbers *before* installing the new version of Backup Exec so that these options are automatically upgraded. Evaluation versions of Backup Exec for Windows Servers will replace any current installation. You cannot have separate installations of different versions on the same server.
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.
- 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.
- 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.
- 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 template 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.
Frequently Asked Questions

- 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.