Administration of Veritas Backup Exec™ 16
Exam Preparation Guide

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General Information
This document contains recommended training and preparation suggestions for the Administration of Veritas Backup Exec 16 exam. This exam is based primarily on training content taught in the Veritas Backup Exec 16 Administration course.

Exam Details

• You will have up to 105 minutes to complete the exam.
• You will be presented with 80 - 90 items on the exam.
• You must score 69% correct in order to pass.
• Your final score will be calculated on the number of items you answer correctly so please be sure to answer all questions.
• Passing this exam will result in a Veritas Certified Specialist (VCS) certification and counts towards the requirements for a Veritas Certified Professional (VCP) certification in Data Protection.
• If you do not pass an exam on your first attempt, you must wait at least 3 days (72 hours) before a second attempt. If you do not pass an exam on your second attempt, then you must wait at least 2 weeks (14 days) between each additional attempt. If you need to retake an exam that you have already passed in order to fulfill a certification track requirement, you may do so after 3 months.

Recommended Training and Preparation

Recommended Training:

• Veritas Backup Exec 16: Administration – 5 day (ILT/VA)
Note regarding recommended training course: If you do not have prior experience with this product, it is recommended that you complete an in-person, classroom training or Virtual Academy virtual classroom training class in preparation for the VCS exam. Be cautioned that attendance in a training course does not guarantee passage of a certification exam.

Familiarity with product documentation:

- Veritas Backup Exec 16 Licensing Guide
- Veritas Backup Exec 16 Readme First Release Notes
- Veritas Backup Exec 16 Administrator’s Guide
- Veritas Backup Exec 16 Software Compatibility List
- Veritas Backup Exec 16 Hardware Compatibility List

Other Recommended Websites and Technical Resources:

- Backup Exec Product Documentation
- Backup Exec Product Page
- Backup Exec Technical Support
- Backup Exec Updates, Patches and News
- Veritas Communities

Examples of Hands-on Experience (Real World or Virtual):

- Recommended 3-6 months experience working with Backup Exec in a production or lab environment.
- Have knowledge of the various Backup Exec 16 licensing editions.
- Describe the basic components, devices, terms, and concepts of Backup Exec.
- Install Backup Exec 16 and add additional agents and options on the Backup Exec server after the installation.
- Describe the features of Backup Exec 16.
- Describe the various backup methods available in Backup Exec.
- Configure preferences and global settings.
- Configure storage devices.
- Create jobs to backup, restore, convert, and duplicate.
- Install and configure Agents for Windows.
- Add and manage protected server resources.
- Install Backup Exec updates and apply updates to Windows and Linux agents.
- Run inventory and catalog and other utility jobs.
- Identify agents and options used with Backup Exec in their environment.
- Describe enhanced backup job functionality (e.g., GRT, Instant GRT, Disk Staging, Duplication of backup sets, data encryption, snapshot, and virtual environments).
- Perform basic troubleshooting (e.g., restart services, interpret job logs, check Event Viewer, check Configuration Tasks Widget, run Backup Exec troubleshooting tools, etc.).
- Import, export, and back up the Database Encryption Key.
## Exam Objectives Mapped to Course Topics

### EXAM AREA 1
**Architecture, Installation, and Concepts**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>101: Describe the components, features, and architecture of Backup Exec.</td>
<td>Backup Exec 16 Administration course:</td>
</tr>
<tr>
<td></td>
<td>- The Introduction to Remote Agent, Applications and Databases</td>
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<tr>
<td></td>
<td>- Disk Storage Devices</td>
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<td></td>
<td>- Deduplication option</td>
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<td></td>
<td>Backup Exec 16 Administration Guide</td>
</tr>
<tr>
<td>102: Describe the requirements and procedure for licensing, installing, updating, and upgrading Backup Exec and Backup Exec agents/options.</td>
<td>Backup Exec Software Compatibility List</td>
</tr>
<tr>
<td></td>
<td>Backup Exec 16 Administration Guide</td>
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<tr>
<td></td>
<td>Backup Exec 16 Licensing Guide</td>
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<tr>
<td></td>
<td>Backup Exec 16 Administration Course</td>
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<tr>
<td></td>
<td>- Installing Backup Exec 16</td>
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<td></td>
<td>- Upgrading and Migrating to Backup Exec 16</td>
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<tr>
<td></td>
<td>- Licensing Backup Exec</td>
</tr>
<tr>
<td>103: Describe how to configure application defaults and analyze the effects of the settings.</td>
<td>Backup Exec 16 Administration Course</td>
</tr>
<tr>
<td></td>
<td>- Protecting Microsoft Active Directory</td>
</tr>
<tr>
<td></td>
<td>- Disk Storage Devices</td>
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<tr>
<td></td>
<td>Backup Exec 16 Administration Guide</td>
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</tbody>
</table>

### EXAM AREA 2
**Managing Devices, Media, and Backup Exec Servers**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>201: Describe how to configure and manage Backup Exec devices and storage pools.</td>
<td>Backup Exec 16 Administration Course</td>
</tr>
<tr>
<td></td>
<td>- Disk Storage Devices</td>
</tr>
<tr>
<td></td>
<td>- Tape Devices and Tape Management</td>
</tr>
<tr>
<td></td>
<td>- Simplified Disaster Recovery</td>
</tr>
<tr>
<td></td>
<td>Backup Exec 16 Administration Guide</td>
</tr>
<tr>
<td>VCS Exam Objectives</td>
<td>Course/Lesson/Topic</td>
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<tr>
<td>---------------------</td>
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</tbody>
</table>
| 202: Describe how to manage backup sets and media rotation that use media sets. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Tape Devices and Tape Management |
| 203: Describe how to manage backup sets and media retention that use Data Lifecycle Management (DLM). | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Disk and Network Storage Data Management |
| 204: Explain how to perform device and media operations and storage operation jobs. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Tape Devices and Tape Management |
| 205: Describe media catalog concepts, functionality, and implementation. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Backing Up Data  
- Disk and Network Storage Data Management |

**EXAM AREA 3**

**Protecting Data**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
</table>
| 301: Describe the backup methods, settings, logon accounts, stages, multi-server backup capabilities, and schedules supported by Backup Exec. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Backing Up Data |
| 302: Describe how to protect computers using Simplified Disaster Recovery and convert to virtual options in Backup Exec. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
- Simplified Disaster Recovery  
- Performing Virtual Machine Conversion |
| 303: Describe how to enable backup data encryption and manage the keys. | Backup Exec 16 Administration Guide |
### EXAM AREA 4

**Restoring Data**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
</table>
| 401: Describe different restore methods and the options available to restore data from backups. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
• Restoring Data  
• Protecting Microsoft Exchange Server  
• Protecting Microsoft SQL Server |
| 402: Describe how media catalogs are used in restore operations. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
• Disk and Network Storage Data Management |
| 403: Describe how to recover systems using Simplified Disaster Recovery (SDR) or traditional backups. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
• Simplified Disaster recovery |
| 404: Given a scenario, describe how to restore data from multiple backup sets. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
• Backing Up Data  
• Restoring Data |

### EXAM AREA 5

**Maintenance Tasks**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>501: Describe how to monitor Backup Exec activity using the Job Monitor and other views.</td>
<td>Backup Exec 16 Administration Guide</td>
</tr>
</tbody>
</table>
| 502: Describe how to manage Backup Exec alerts, error-handling rules, notifications, and applying updates. | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course  
• Installing Backup Exec 16 |
| 503: Describe the function and maintenance of the Backup Exec database including the Database Encryption | Backup Exec 16 Administration Guide  
Backup Exec 16 Administration Course |
### EXAM AREA 6

**Backup Exec Agents and Advanced User Options**

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key.</td>
<td>• Working with the Database Encryption Key</td>
</tr>
<tr>
<td>504: Describe how to troubleshoot Backup Exec using the available tools.</td>
<td>Backup Exec 16 Administration Guide Backup Exec 16 help file</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VCS Exam Objectives</th>
<th>Course/Lesson/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>601: Describe how to configure the components of Backup Exec Enterprise Server Option (ESO).</td>
<td>Backup Exec 16 Administration Guide Backup Exec 16 Administration Course • Appendix B (Install and Configure): Central Admin Server Section in the Veritas Backup Exec 16</td>
</tr>
<tr>
<td>602: Describe the function, uses, and administration of the NDMP (Network Data Management Protocol), and Deduplication options as well as the Backup Exec Command Line Interface.</td>
<td>Backup Exec 16 Administration Course • Appendix A (Install and Configure): Storage Devices • Deduplication Option</td>
</tr>
<tr>
<td>603: Describe how to protect remote servers using the appropriate Agents and Options.</td>
<td>Backup Exec 16 Administration Course • Introduction to Remote Agents, Applications, and Databases • Protecting Microsoft Exchange Server • Protecting Microsoft SQL Server • Protecting Microsoft SharePoint Server • Protecting Microsoft Active Directory • Appendix A (Manage and Administer): Agent for Linux</td>
</tr>
<tr>
<td>604: Describe the general, GRT, and Instant Recovery functions of Backup Exec database agents and virtualization agents.</td>
<td>Backup Exec 16 Administration Course • Introduction to Remote Agents, Applications, and Databases • Protecting Virtual Environments</td>
</tr>
</tbody>
</table>
How to register

Exams are administered through Pearson VUE Worldwide Test Centers. Candidates are required to obtain a "CertTracker/Login and Password (ID)" in order to register for any exams.

To schedule a technical proctored exam:
1. Login to CertTracker with your username and password.
2. On the Candidate Landing Page, view the left hand navigation and click “Schedule Pearson VUE Exam” to schedule a proctored exam.
3. On the screen listing the exams, choose your exam and follow the on-screen instructions to complete your transaction.
4. See the detailed step-by-step registration instructions.

IMPORTANT NOTES ABOUT REGISTRATION:
Your name must exactly match what is listed in CertTracker and your identification that is presented at a Pearson VUE test center or you will be unable to take an exam and forfeit your exam fee. Candidate name and company name changes can only be made by submitting a CertTracker Incident or emailing Global.Exams@veritas.com; please allow 24-48 hours for CertTracker updates to reflect in all systems.

You may use a voucher or major credit card (AMEX, MasterCard, Visa, or JCB) to pay for your exam.

For more information on the Veritas Certification Program, visit http://go.veritas.com/certification.