Administration of Symantec Backup Exec™ 2012
Study Guide

The following tables list the Symantec STS Accreditation exam objectives for the Symantec Backup Exec 2012 Technical Assessment and how these objectives align to the Symantec Backup Exec 2012: Administration course. The recommended courses to prepare for this exam include: Symantec Backup Exec 2012: Administration course or Install and Configure + Manage and Administer courses.

The product documentation for this exam is:

- Symantec Backup Exec 2012 Customer Licensing Guide
- Symantec Backup Exec 2012 Readme First Release Notes
- Symantec Backup Exec 2012 Administrator's Guide
- Symantec Backup Exec 2012 Administrator's Guide Addendum
- Symantec Backup Exec 2012 Utility (BEUTILITY) Guide
- Symantec Backup Exec 2012 Differences Guide
- Symantec Backup Exec 2012 Upgrade Guide
- Symantec Backup Exec EOL Items
- Symantec Backup Exec 2012 Software Compatibility List
- Symantec Backup Exec 2012 Hardware Compatibility List

Note: Product documentation can be obtained from https://sort.symantec.com/documents

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

- Describe the components of Backup Exec 2012.
- Identify installation/agent and option prerequisites.
- Install, configure, manage, monitor, maintain, and troubleshoot the components of Backup Exec 2012.
- Configure the Backup Exec services account and database.
- Verify installation and perform basic troubleshooting of installation.
- Perform job management and monitoring.
- Generate reports.
- Create a Simplified Disaster Recovery disk and use it for disaster recovery.
- Configure product updates.
- Manage devices and media/backup sets.
- Manage licensing.

For more information on the Symantec Certification Program, visit http://go.symantec.com/certification.
## EXAM AREA 1
Symantec Backup Exec 2012 Architecture, Installation, and Concepts

<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
</tr>
</thead>
</table>
| Describe the components, features, and architecture of Symantec Backup Exec 2012. | **Course:** Symantec Backup Exec 2012: Install and Configure  
**Lesson 1: Backup Exec Fundamentals**  
**Topics:**  
- Symantec’s backup solution offerings  
- Backup Exec architecture  
**Lesson 2: Installing Backup Exec 2012**  
**Topic:**  
- Launching Backup Exec 2012                                                                                                                                 |
| Describe the requirements and procedure for licensing, installing, updating, and upgrading Symantec Backup Exec 2012 and agents/options. | **Course:** Symantec Backup Exec 2012: Install and Configure  
**Lesson 1: Backup Exec Fundamentals**  
**Topics:**  
- Symantec’s backup solution offerings  
- Backup Exec architecture  
**Lesson 2: Installing Backup Exec 2012**  
**Topic:**  
- Installing the Backup Exec server  
**Symantec Backup Exec 2012: Administrator’s Guide**  
**Lessons:**  
- Installation  
- Symantec Backup Exec Central Admin Server Option  
**Backup Exec Licensing Guide**  
**Symantec Backup Exec 2012 Software Compatibility List** |
| Describe the backup and restore methods available in Symantec Backup Exec 2012. | **Course:** Symantec Backup Exec 2012: Install and Configure  
**Lesson 5: Backing Up Data**  
**Topics:**  
- Backup Job Basics  
- Backup Methods  
- Differential Backups  
- Dynamic System and Application Device Protection  
**Symantec Backup Exec 2012: Administrator’s Guide**  
**Lessons:**  
- Backup strategies  
- Simplified Disaster Recovery  
- Symantec Backup Exec Agent for VMware |
### SCS Exam Objectives

#### Describe how to configure preferences and global settings in Symantec Backup Exec 2012 and analyze the effects of the settings.

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<thead>
<tr>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Symantec Backup Exec 2012: Install and Configure</td>
</tr>
<tr>
<td>Lesson 9: Database Maintenance</td>
</tr>
<tr>
<td>Topic: Backup Exec database</td>
</tr>
<tr>
<td>Symantec Backup Exec 2012: Administrator's Guide</td>
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<tr>
<td>Lessons:</td>
</tr>
<tr>
<td>Backups</td>
</tr>
<tr>
<td>Backup strategies</td>
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<tr>
<td>Virtualization</td>
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</tbody>
</table>

### EXAM AREA 2

**Managing Devices, Media, and Managed Backup Exec Servers**

<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe how to configure and manage Symantec Backup Exec 2012 devices, device drivers, and device pools.</td>
<td>Course: Symantec Backup Exec 2012: Install and Configure</td>
</tr>
<tr>
<td>Lesson 3: Storage Devices</td>
<td></td>
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<tr>
<td>Topics:</td>
<td></td>
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<tr>
<td>Devices and media</td>
<td></td>
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<tr>
<td>Configuring storage devices</td>
<td></td>
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<tr>
<td>Symantec Backup Exec 2012: Administrator's Guide</td>
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<tr>
<td>Lessons:</td>
<td></td>
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<tr>
<td>Tape drives and robotic libraries</td>
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<tr>
<td>Disk-based storage</td>
<td></td>
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<tr>
<td>Legacy backup-to-disk folders</td>
<td></td>
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</tbody>
</table>

<p>| Describe how to manage backup sets and media rotation with media sets or Data Lifecycle Management (DLM). | Course: Symantec Backup Exec 2012: Install and Configure |
| Lesson 3: Storage Devices |
| Topic: Devices and media |
| Lesson 4: Data Management |
| Topic: Managing media |
| Symantec Backup Exec 2012: Administrator's Guide |
| Lessons: |
| Tape and disk cartridge media |
| Introducing Backup Exec 2012 |</p>
<table>
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<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
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</table>

### EXAM AREA 3

**Protecting Data**

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<th>SCS Exam Objectives</th>
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<tbody>
<tr>
<td>SCS Exam Objectives</td>
<td>References</td>
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</tr>
</tbody>
</table>
| Describe high-level procedures for performing GRT-enabled backups.                  | Course: Symantec Backup Exec 2012: Install and Configure  
Lesson 5: Backing Up Data  
Symantec Backup Exec 2012: Administrator’s Guide  
Lessons:  
- Symantec Backup Exec Agent for Microsoft Active Directory  
- Symantec Backup Exec Agent for Microsoft SQL Server  
- Symantec Backup Exec Agent for Microsoft Exchange Server  
- Symantec Backup Exec Agent for Microsoft SharePoint  
- Symantec Backup Exec Agent for VMware  
http://www.symantec.com/docs/TECH179449  
http://www.symantec.com/docs/TECH179363 |
| Describe the procedures and purposes for creating a backup definition including use of data discovery. | Course: Symantec Backup Exec 2012: Install and Configure  
Lesson 5: Backing Up Data  
Topics:  
- Backup job basics  
- Configuring backup jobs  
Symantec Backup Exec 2012: Administrator’s Guide  
Lessons:  
- Backups  
- Symantec Backup Exec NDMP Option |
Lesson 8: Virtual Machine Conversion  
Topics:  
- Virtual conversion workflows  
- Conversion to virtual machines fundamentals  
- Virtual conversion options  
Lesson 7: Simplified Disaster Recovery  
Topics:  
- Using SDR for disaster recovery  
- Simplified Disaster Recovery fundamentals  
- Simplified Disaster Recovery: Backup  
Symantec Backup Exec 2012: Administrator’s Guide  
Lessons:  
- Virtualization  
- Simplified Disaster Recovery |
## EXAM AREA 4

### Restoring Data

<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
</tr>
</thead>
</table>
| Describe how to configure a restore job including available options. | **Course:** Symantec Backup Exec 2012: Install and Configure  
Lesson 6: Restoring Data  
**Topics:**  
- Restore job basics  
- Running restore jobs  
**Course:** Symantec Backup Exec 2012: Manage and Administer  
Lesson 1: Remote Agents  
**Topic:**  
- Installing the Agent for Windows  
**Symantec Backup Exec 2012: Administrator's Guide**  
**Lessons:**  
- Storage operations  
- Restores |
| Given a scenario, determine the restore method and procedures to restore granular and nongranular content | **Course:** Symantec Backup Exec 2012: Install and Configure  
Lesson 6: Restoring Data  
**Topics:**  
- Running restore jobs  
- Restoring Exchange  
**Course:** Symantec Backup Exec 2012: Manage and Administer  
**Lessons:**  
- Agent for Microsoft Exchange Server  
**Topic:**  
- Agent for Microsoft Exchange requirements  
**Symantec Backup Exec 2012: Administrator's Guide**  
**Lessons:**  
- Symantec Backup Exec Agent for Microsoft Exchange Server  
- Restores |
| Describe how to recover systems using Simplified Disaster Recovery (SDR) or traditional backups. | **Course:** Symantec Backup Exec 2012: Install and Configure  
Lesson 7: Simplified Disaster Recovery  
**Topic:**  
- Using SDR for disaster recovery  
**Symantec Backup Exec 2012: Administrator's Guide**  
**Lessons:**  
- Simplified Disaster Recovery  
- Disaster preparation and recovery  
- Restores |
## EXAM AREA 5
### Maintenance Tasks (Monitoring, Troubleshooting, Performance Tuning, and Database Management)

<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
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</thead>
</table>
| Describe how to monitor Symantec Backup Exec 2012 activity. | **Course:** Symantec Backup Exec 2012: Install and Configure  
Lesson 5: Backing Up Data  
Topic:  
- Configuring backup jobs  
Lesson 2: Installing Backup Exec 2012  
Topic:  
- Launching Backup Exec 2012  
**Symantec Backup Exec 2012: Administrator’s Guide**  
Lesson:  
- Reports |
| Describe how to manage Backup Exec 2012 alerts, error-handling rules, patch management, Checkpoint Restart, and notifications. | **Course:** Symantec Backup Exec 2012: Install and Configure  
Lesson 2: Installing Backup Exec 2012  
Topic:  
- Updating Backup Exec 2012  
**Course:** Symantec Backup Exec 2012: Install and Configure: Labs and Appendices  
**Symantec Backup Exec 2012: Administrator’s Guide**  
Lessons:  
- Backup strategies  
- Job management and monitoring  
- Using Backup Exec in cluster environments  
**Symantec Backup Exec Tech centre** |
| Describe the function and maintenance of the Symantec Backup Exec 2012 database. | **Symantec Backup Exec 2012: Administrator’s Guide**  
Lessons:  
- Configuration and settings  
**Tech notes**  
[http://www.symantec.com/docs/TECH176343](http://www.symantec.com/docs/TECH176343)  
[http://www.symantec.com/docs/TECH37752](http://www.symantec.com/docs/TECH37752) |
| Given a scenario, describe basic tuning processes to improve Symantec Backup Exec 2012 performance. | **Symantec Backup Exec 2012: Administrator’s Guide**  
Lessons:  
- Disk-based storage  
- Symantec Backup Exec Archiving Option  
- Backups  
- Reports  
- Symantec Backup Exec Central Admin Server Option  
- Tape drives and robotic libraries  
**Symantec Backup Exec 2012:Tuning Guide** |
<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
</tr>
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</table>
Lesson 7: Simplified Disaster Recovery  
Topics:  
  - Simplified Disaster Recovery fundamentals  
Course: Symantec Backup Exec 2012: Manage and Administer  
Lesson 1: Remote Agents  
Topic:  
  - Installing the Agent for Windows  
Symantec Backup Exec 2012: Administrator's Guide  
Lessons:  
  - Troubleshooting Backup Exec  
  - Configuration and settings  
Symantec Backup Exec Software Compatibility List  
http://www.symantec.com/docs/TECH175581 |

**EXAM AREA 6**  
Advanced Options and Agents

<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
<th>References</th>
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</table>
| Describe the function, uses, and administration of the advanced features of Backup Exec 2012 including, but not limited to, NDMP (Network Data Management Protocol), as well as the Backup Exec Command Line Interface. | Symantec Backup Exec 2012: Administrator's Guide  
Lessons:  
  - Symantec Backup Exec NDMP Option  
  - Symantec Backup Exec Agent for Linux  
  - Symantec Backup Exec Agent for Enterprise Vault  
Backup Exec Software Compatibility List  
http://www.symantec.com/docs/TECH175581 |
| Describe how to protect remote servers using the appropriate Remote Agent.         | Course: Symantec Backup Exec 2012: Manage and Administer  
Lesson 1: Remote Agents  
Topics:  
  - Managing the Agent for Windows  
  - Installing the Agent for Windows  
Symantec Backup Exec 2012: Administrator's Guide  
Lessons:  
  - Symantec Backup Exec Agent for Linux  
  - Installation |
<table>
<thead>
<tr>
<th>SCS Exam Objectives</th>
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<tbody>
<tr>
<td>Describe the general function of Symantec Backup Exec 2012 Agent for application and database as well as virtualization agents.</td>
<td>Course: Symantec Backup Exec 2012: Manage and Administer</td>
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<tr>
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<td>Lesson 2: Agent for Applications and Databases</td>
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<td></td>
<td>Topic: Agent for Microsoft Active Directory</td>
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<td>Symantec Backup Exec 2012: Administrator's Guide</td>
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<td>Lessons:</td>
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<tr>
<td></td>
<td>• Symantec Backup Exec Agent for Microsoft Hyper-V</td>
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<td></td>
<td>• Symantec Backup Exec Agent for VMware</td>
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<td></td>
<td>• Symantec Backup Exec Agent for Microsoft Hyper-V</td>
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<td>• Symantec Backup Exec Deduplication Option</td>
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<td></td>
<td>• Symantec Backup Exec Agent for Microsoft Exchange Server</td>
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<td></td>
<td>Lesson 1: Backup Exec Fundamentals</td>
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<td></td>
<td>Topic: Backup Exec architecture</td>
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<td></td>
<td>Symantec Backup Exec 2012: Administrator's Guide</td>
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<td>Lesson:</td>
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<td></td>
<td>• Symantec Backup Exec Central Admin Server Option</td>
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<tr>
<td>Describe the Backup Exec 2012 deduplication option including how to configure it.</td>
<td>Course: Symantec Backup Exec 2012: Manage and Administer</td>
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<td>Lesson 7: Deduplication Option</td>
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<tr>
<td></td>
<td>Topic: Data deduplication and Open Storage Technology: Fundamentals</td>
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<td></td>
<td>Symantec Backup Exec 2012: Administrator's Guide</td>
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<td></td>
<td>Lesson:</td>
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<td></td>
<td>• Symantec Backup Exec Deduplication Option</td>
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<td></td>
<td>Backup Exec Software Compatibility List</td>
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<td><a href="http://www.symantec.com/docs/TECH175581">http://www.symantec.com/docs/TECH175581</a></td>
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If you have questions about the Symantec Certification Program, send an email to Customer_Certifications@symantec.com.
About Symantec
Symantec is a global leader in providing security, storage and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

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