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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VERITAS Veritas Backup Exec 22: Administration

| CODE: | LENGTH: | PRICE: | |
|------------|-------------------|--------------|--|
| VER_BE22-A | 40 Hours (5 dage) | kr 25,100.00 | |

Description

Acquire the skills to make your data protection strategy successful with the Veritas Backup Exec 22: Administration course. The course is designed for the data protection professional tasked with deploying, configuring, maintaining, and managing a Backup Exec environment. The course covers Backup Exec concepts, how to back up and restore critical data, configure storage devices and media, and work with various Backup Exec agents and options, which protect applications like Microsoft Exchange, Microsoft SharePoint, Microsoft SQL, Microsoft 365, Active Directory, Cloud, Oracle, and Virtual environments.

Objectives

By the completion of this course, you will be able to:

- Describe the functionality and architecture of Backup Exec.
- Install and upgrade to Backup Exec 22.
- Configure storage devices Cloud-based storage and Network storage.
- Backup data to and restore data from disk, network, and the Cloud.
- Perform tape devices and tape management.
- Manage servers and jobs.
- Set backup and recovery settings and methods.
- Work with the Database Encryption Key.
- Perform online Disaster Recovery.
- Install the SDR disk creation wizard, create an SDR disk image and recover a server with SDR.
- Back up a physical machine and convert to a virtual machine either simultaneously or on a schedule.
- Install, configure, and manage the Backup Exec Central Admin Server feature.
- Configure Backup Exec Deduplication Storage.
- Protect remote servers using the appropriate remote agents, applications, and databases.
- Use Backup Exec to protect databases and applications, including;
- o Microsoft Hyper-V
- o Microsoft SQL Server
- o Microsoft Exchange
- o Microsoft SharePoint
- o Microsoft 365
- o Active Directory
- o Oracle
- Protect virtual environments.
- Perform virtual machine conversions.

Audience

This course is designed for system administrators, system engineers, technical support personnel, consultants, backup administrators, backup operators, and others who are responsible for installing, configuring, managing, and monitoring Backup Exec 22.

Prerequisites

You must have a basic working knowledge of administrating and configuring Windows Server 2016 and later platforms. Basic working knowledge of the following applications is beneficial, but not required:

- Microsoft SQL Server
- Microsoft Exchange Server
- Microsoft SharePoint Portal Server
- Microsoft Hyper-V

- VMware virtual infrastructure.
- Oracle
 Cloud Technologies
 Microsoft 365

Programme

| Flogramme | | | | | |
|---|--|---|---|--|--|
| Backup Exec Fundamentals • Data Backup Basics • Backup Exec Solution Offering • Backup Exec Architecture Labs • Exercise A: Installing Veritas B • Exercise B: Verifying the Verita • Exercise C: Adding Backup Ex • Exercise D: Configuring and R • Exercise E: Viewing the Backu Labs • Exercise A: Installing the Backu | Trialware and Upgrade Capacity and subscrip Updating Licensing Inf Capacity Widget and C Maintenance and Externation Backup Exec Backup Exec Installation ec Licenses unning Veritas Update p Exec License up Exec Remote Administ | al, and Custom Licensin es tion license enforcemer formation Capacity Metering ended Support Licensing Working with the Back • Installing and Config • Using the Backup E: • Exploring the Backup • Introduction to Backu • Introduction to BEMO ration Console | p Exec Administration Console up and Restore CLI Disk Storage Devices | | |
| | | Administration Console | Backup Exec Storage Devices | | |
| • Exercise C: Working with the C | | | Viewing disk storage: Storage View | | |
| • Exercise D: Exploring the Back | | onsole | Disk Cartridge Devices | | |
| Exercise E: Creating a Configu Exercise F: Creating a Disk Sto | | | Deduplication Disk Storage | | |
| • Exercise G: Creating a Basic B | • | | Importing a Legacy Backup-to-disk Folder Backup Exec Storage Pools | | |
| • Exercise H: Creating a Basic B | | | Windows Storage Pool and Spaces | | |
| Labs | | | windows otorage r oor and opaces | | |
| • Exercise A: Creating a Disk Sto | orage Device Using the Co | onfiguration Wizard | | | |
| Exercise B: Viewing the Disk S | storage in the Backup Exe | c Management Commar | nd Line Interface | | |
| Exercise C: Viewing Disk Stora | | | | | |
| Exercise D: Creating a Storage | Pool | | | | |
| Cloud-based Storage Devices | | | | | |
| Basics of Cloud storage Support | | | | | |
| Amazon S3 Cloud-based Stora | ige | | | | |
| Google Cloud-based Storage | N4 | | | | |
| Microsoft Azure Cloud-based S Backup Exec Cloud Deduplica | | | | | |
| Configuring a Cloud-storage D | | | | | |
| Managing Cloud-storage in Ba | | | | | |
| Labs | | | | | |
| Exercise A: Configuring Gener Storage in Backup Exec | ic S3 Compatible Cloud | | | | |
| • Exercise B: Backing up data to | | | | | |
| Exercise C: Configuring Dedup | Disk a • Data | nd Network Data Manag Lifecycle Management | gement | | |
| Network Otara - D | | Rules: Overview | | | |
| Network Storage Devices | | endent Backup Sets | | | |
| Network Storage Devices | | Dependent Rules | ntion | | |
| OpenStorage Devices (Third-p Backup Exec Remote Media A | | d-only Setting | nuon | | |
| NDMP Servers | | a Catalogs | | | |
| ADIVIL DELVEIS | | a Jalaloys | Tape Devices and Tape Management | | |
| | | | Tape Storage | | |
| Labs | | | Managing Tapes | | |
| • Exercise A: Manually Performin | ng Two Sets of Full and In | cremental Backups | Robotic Libraries | | |
| • Exercise B: Manually Expiring | | • | Tape Storage Operations | | |
| • Exercise C: Retaining Backup | | piration Date of a Back | | | |
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| | | | | | |

Labs

- Exercise A: Inventorying Robotic Libraries when Backup Exec Services Start Adding a Server
- Exercise B: Configuring Barcode Rules for a Robotic Library
- · Exercise C: Assigning a Cleaning Slot to a Robotic Library
- Exercise D: Understanding Storage Default Values
- Exercise E: Viewing Default Media Sets
- · Exercise F: Creating a Media Set
- · Exercise G: Creating a Media Vault
- · Exercise H: Assigning a Media Set to a Media Vault
- Exercise I: Assigning Tapes to a Media Set
- Exercise J: Backing up to Tape
- · Exercise K: Restoring from Tape
- Labs
- · Exercise A: Adding a Server
- · Exercise B: Backing Up Files and Folders
- · Exercise C: Creating a One-time Backup Job
- · Exercise D: Creating a New Backup Job Using the Settings from an Existing Backup

· Exercise C: Tagging a Resource as Business-critical and Backing it up

- Exercise E: Backing up Multiple Servers
- · Exercise F: Backing up System State

· Exercise A: Creating a Server Group

· Exercise B: Viewing Server Details

- · Exercise G: Working with Backup Methods
- · Exercise H: Adding a Stage to a Backup

- Backing Up Data
- Preparing for Backups
- · Creating a Backup Job
- Multi-server Backups
- · Accounts and Credentials in Backup Exec
- Managing Server Selections
- Backup Selections
- · Excluding Files from the Backup
- Backup Settings
- Backup Stage Basics
- Job Name Fundamentals
- Manually Running Backup Jobs

Managing Servers and Jobs

- Backup and Restore View Server Groups
- Tag as Business-Critical **Restoring Data**
 - · Contents of a Backup Set
 - Restore Job Basics
 - Restore Settings
 - Granular Restore Technology (GRT)
 - · Restoring Data
- Exercise D: Tagging a Resource as Business-critical from the Include/Exclude Window Online Disaster Recovery
 - Restoring System State
 - Shadow Copy Components

 Exercise F: Viewing Job Log Details Labs

Labs

• Exercise A: Viewing the Contents of a Backup Set

· Exercise E: Examining Pre-defined and Custom Reports

- · Exercise B: Restoring Data to the Default Location
- Exercise C: Restoring Data to an Alternate Location
- Exercise D: Restoring File and Folder Permissions
- · Exercise E: Restoring Data Using the Search Wizard
- · Exercise F: Restoring Data to a VHD
- Exercise G: Restoring Data Directly from a Disk
- · Exercise H: Restoring Data from a Tape Backup
- Exercise I: Restoring a Business-Critical Resource

• Exercise A: Viewing the Database Encryption Key

Exercise C: Exporting the Database Encryption Key

Protecting the Database Encryption Key (DEK) Simplified Disaster Recovery

- · Simplified Disaster Recovery Fundamentals
- · Simplified Disaster Recovery: Backup
- Installing the SDR Disk Creation Wizard
- Exercise B: Viewing the Database Encryption Key and Attempting to Back it up Creating an SDR Disk Image (.iso) file
 - Recovering a Server with SDR
 - Windows Storage Pools and Spaces
- Exercise D: Backing Up and Restoring the Database Encryption Key Labs

Labs

- · Exercise A: Adding a Server
- Exercise B: Viewing and Identifying Critical System Devices
- Exercise C: Creating a Simplified Disaster Recovery Enabled Backup Job
- Exercise D: Performing a Complete Online Restore of a Computer Walkthrough
- Exercise E: Creating a Simplified Disaster Recovery Disk
- Exercise F: Recovering appsrv1 Using the SDR Disk
- Upgrading Backup Exec
- Basics of Upgrading the Backup Exec Server
- Standard and Rolling Upgrade Backup Exec Labs
- Agent for Windows Upgrade
- Migration Report

- Exercise A: Upgrading Veritas Backup Exec
- · Exercise B: Upgrading the Agent for Windows

Working with the Database Encryption Key

Auto-generated AES-256 Encryption Key

Backup Exec Database Sensitive Data Components

Central Admin Server Feature

- Backup Exec CAS: Overview
- Installing the CAS
- Installing the Managed Backup Exec Server (MBES)
- · Instant Recovery Jobs in a CAS Environment
- MBES Settings
- Backup Jobs: MBES and Server Pools
- · Restoring Files using CAS
- Copying Configuration to MBES
- · Instant Recovery jobs in a CAS environment
- MBES Settings
- Copy Configuration to MBES
- Upgrading a CAS Environment to Backup Exec 22
- Renaming CAS and MBES
- MBES to Standalone
- Offline Central Admin Server Restore from a Managed Backup Exec Server
- Labs
- · Exercise A: Installing the CAS Feature
- · Exercise B: Converting a Backup Exec Server to a Managed Backup Exec Server
- Exercise C: Viewing the Settings for a Managed Backup Exec Server
- Exercise D: Creating a Backup Exec Server Pool
- · Exercise E: Restoring Data from CAS
- Exercise F: Using Optimized Duplication with the Central Admin Server
- Exercise G: (Optional) Changing the CAS Storage and Media Data Location for MBES
- · Exercise H: (Optional) Running the Backup Exec Utility for CAS Operations
- **Deduplication Feature**
- · Data Deduplication and Open Storage Technology: Fundamentals
- Deduplication Feature Option
- Configuring Backup Exec Deduplication Storage
- · Exclusion from Windows Deduplication
- Deduplication Backup Job
- Configuring Client-side Deduplication
- Rehydration
- Optimized Duplication
- Protecting the Backup Exec Deduplication Storage
- · Best Practices for the Deduplication Feature
- · OpenStorage devices (Third-party deduplication)
- OpenDedupe OST Connector
- OpenDedupe Installation and Configuration
- Configuring OpenStorage in Backup Exec
- Upgrading from Backup Exec 21 to Backup Exec 22
- Labs
- Exercise A: Verifying the Deduplication Feature Installation
- Exercise B: Creating a Deduplication Storage Folder
- Exercise C: Creating a Backup Job to Backup Data to the Deduplication Disk Storage (Server-side deduplication)
- Exercise E: Verifying Data Deduplication
- · Exercise F: Restoring Deduplication Data
- · Exercise G: Creating a Client-side Deduplication Job
- Security and Compliance Features
- Backup Exec Support for GDPR
- Labs
- · Exercise A: Working with the GDPR Guard Feature • Backup Exec Support for Ransomware Resilience • Exercise B: Working with the Ransomware Resilience Feature
- Remote Agent, Applications, and Databases
- Agent for Windows: Fundamentals
- Installing the Agent for Windows
- · Managing the Agent for Windows
- Agent for Applications and Databases: Fundamentals
- GRT Support for Agent, Applications, and Databases

- Protecting Microsoft Exchange Server
- Installing the Backup Exec Agent for Microsoft Exchange
- · Backing up a DAG
- Exchange Backup Selections
- Exchange Backup Settings
- Exchange Preferred Servers Only Backups
- · Restoring Exchange data
- Redirected Restore Considerations
- VSS Providers and Exchange Writers

- Labs
- Exercise A: Viewing Backup Exec License Information
- Exercise B: Installing the Agent for Windows
- Exercise C: Viewing the Agent for Windows Installation Footprint
- Exercise D: Backing Up a Remote Windows Computer
- Enabling the Agent for Applications and Databases Feature Exercise E: Restoring Data to a Remote Windows Computer

- Labs
- Exercise A: Viewing the Exchange DAG Configuration
- Exercise B: Backing Up an Exchange DAG
- Exercise C: Restoring Exchange Mailbox Items
- · Exercise D: Restoring Exchange Mailbox Items Using Search
- Exercise E: Performing a Redirected Restore of Exchange Databases and Logs Supported Microsoft SQL Server Features
- Labs
- · Exercise A: Backing up SQL Server System Databases
- Exercise B: Restoring a SQL Server Database
- Exercise C: Restoring a SQL Server Database to an Alternate Location Restoring Microsoft SharePoint
- Labs
- · Exercise A: Viewing the SharePoint Site Details
- Exercise B: Backing Up SharePoint
- Exercise C: Performing a SharePoint GRT Restore for a Task
- Exercise D: Performing a SharePoint Redirect Restore for a Document Agent for Microsoft Active Directory: Fundamentals
- Exercise E: Restoring a Versioned Document
- Exercise F: Restoring a SharePoint Portal Site
- Labs
- Exercise A: Backing up Microsoft Active Directory
- Exercise B: Restoring Active Directory Objects
- Protecting Microsoft 365
- Integrated Microsoft 365
- · Support for Backing Up Microsoft 365 Tenant Data
- Restoring Microsoft 365 Tenant Data
- Notes And Best Practices For Microsoft 365Protecting Virtual Environments Part 1
- Virtualization Technologies
- Backup Exec Virtualization Agents
- · Installing Agent for VMware and Hyper-V
- · Backing up Virtual Machines
- Restoring Virtual Machines
- Labs
- Exercise A: Verifying the Agent for VMware and Hyper-V Installation
- Exercise B: Connecting to and Viewing the ESX Server Configuration
- Exercise C: Adding the vCenter Server to Backup Exec
- · Exercise D: Backing up an ESXi Server
- Exercise E: Restoring a VMware Virtual Machine
- Protecting Virtual Environments Part 2
- Instant Cloud Recovery for Hyper-V and VMware
- Instant Recovery for Hyper-V and VMware Virtual Machines
- · Performing an Instant Recovery for a Virtual MachineRemoving an Instantly Recovered Virtual Machine
- Instant Recovery Resiliency
- Virtual Machine Recovery Ready Validation
- Labs
- · Exercise A: Performing an Instant Recovery of a Windows Virtual Machine
- Exercise B: Performing an Instant Recovery of a NonWindows Virtual Machine
- · Exercise C: Removing Instantly Recovered Virtual Machines
- Exercise D: Creating a Validate Virtual Machine for a Recovery Job for a Windows Virtual Machine
- Exercise E: Creating a Validate Virtual Machine for a Recovery Job for a Non-Windows Virtual Machine
- Exercise F: Working with the Virtual Machine Backups Widget
- Exercise G: Backing Up a Virtual Machine Skipping PageFile.sys
- Performing Virtual Machine Conversions
- · Conversion to Virtual Machine: Fundamentals
- Backup and then Convert Workflow
- Backup and Simultaneously Convert Workflow
- · Convert to a Virtual Machine from a Point-in-time
- One-time Convert to Virtual Machine
- Virtual Conversion Options Conversion Considerations

- Labs
- Exercise A: Performing a Backup and then a Virtual Conversion
- Agent for Linux and UNIX
- Agent for Linux
 - Exercise A: Installing the Agent for Linux • Exercise B: Backing up a Linux Server
- Installing the Agent for Linux · Backing up Linux Servers

Labs

- Exercise C: Restoring Data to Linux Computers
- Agent for Linux: Best Practices
 Exercise D: Restoring Data to an Alternate Location
- Linux References Exercise E: Configuration Options for Linux Computers

Protecting Microsoft SQL Server

- Agent for Microsoft SQL Server: Fundamentals
- Microsoft SQL Backup Selections
- Backing up a Microsoft SQL Server
- Restoring a Microsoft SQL Server Database
- Protecting Microsoft SharePoint Server
- · Agent for Microsoft SharePoint: Fundamentals
- Backing up Microsoft SharePoint

- Protecting Microsoft Active Directory

Active Directory: Granular Recovery Technology

Traditional Active Directory Restore

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Agent for Oracle

- Agent for Oracle on Windows or Linux Servers
- Installing the Oracle Agent on Windows or Linux Servers
- Configuring the Oracle Agent on Windows or Linux Servers
- Authenticating Credentials on the Backup Exec Server
- Backing up Oracle Databases
- Restoring Oracle Databases
- Best Practices for Backup Exec Agent for Oracle on Windows and Linux Servers

Labs

- Exercise A: Verifying the Backup Exec Remote Agent (RALUS) Installation on the Linux Server
- Exercise B: Configuring the Oracle Agent on the Linux Server
- Exercise C: Performing Oracle Database Backup
- Exercise D: Restoring Data
- Exercise E: Performing a DBA-Initiated Backup Job
- Exercise F: Installing and Configuring Backup Exec Remote Media Agent (RMAL) on the Linux Server

Further Information

 Duration

 • Instructor-led training - ILT: 5 days, including 6

 months of lab access

 • Virtual instructor-led training - VILT: 5 days, including

 6 months of lab access

 • Learning Lab – Self-paced lesson guide plus 6

 months of lab access

 • This course includes practical, hands-on lab exercises that enable you to test your new s

Session Dates

| Date | Location | Time Zone | Language | Туре | Guaranteed | PRICE |
|----------------|----------------------------------|--------------|----------|--------------------------|------------|-----------------|
| 20 Oct 2025 | Virtual Classroom (GMT / UTC) | BST | English | Instructor Led Online | | kr 25,100.00 |
| 15 Dec 2025 | Virtual Classroom (GMT / UTC) | GMT | English | Instructor Led Online | | kr 25,100.00 |

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.