

## Veritas NetBackup IT Analytics 11.2: Administration

### COURSE DESCRIPTION

Acquire the skills to gain unified insights for multi-vendor backup, storage, cloud, and virtual infrastructure in heterogeneous IT environments with the *Veritas NetBackup IT Analytics 11.2: Administration* course. You will learn about the general principles, deployment, configuration, and management of Veritas NetBackup IT Analytics. The course also covers how to best utilize Veritas NetBackup IT Analytics for comprehensive IT analytics to deliver actionable insights through a single-pane-of-glass across on-premises, hybrid, and multi-cloud environments.

### Delivery Methods

This course is available in the following delivery methods:

- [Instructor-led training \(ILT\)](#)
- [Virtual instructor-led training \(VILT\)](#)
- [Learning Lab](#)

### 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

### Course Objectives

After completing this course, you will be able to:

- Describe the architecture of NetBackup IT Analytics.
- Explain how NetBackup IT Analytics works in Cloud and on-premise environments.
- Install the Portal on a Windows and Linux server.
- Install NetBackup IT Analytics Data Collectors.
- Understand the NetBackup IT Analytics Portal.
- Manage and monitor Hosts, Backup Servers, and Host Groups.
- Collect data for Capacity and File Analytics.
- Collect data for Backup, Virtualization, and the Cloud.
- Collect data for Fabric Manager.
- Create different types of reports and report templates.
- Manage, share, schedule, and organize reports.
- Work with and manage Alert policies.
- Manage and monitor NetBackup IT Analytics.
- Provide an overview of the Storage Optimization solution and Risk Mitigation solutions.
- Create Dynamic Templates using the Dynamic Template Designer.
- Describe the functionality and use of the SQL Template Designer.
- List the use of log files, supported configurations, and rules.

### Who Should Attend

This course is intended for technical professionals responsible for the design, configuration, day-to-day operations, monitoring, and support of Veritas NetBackup IT Analytics.

### Prerequisites

Students should be familiar with network, backup, storage, virtualization, cloud (on-premises, hybrid, and multi-cloud environments), and database concepts. Administration and configuration of Windows or Linux operating systems are required. Knowledge of IT Analytics is not required but preferred.

### Hands-On

This course includes practical hands-on lab exercises to apply your new skills in a virtual NetBackup IT Analytics environment.

### COURSE OUTLINE

#### Introducing NetBackup IT Analytics

- IT Analytics Concepts
- NetBackup IT Analytics Overview
- NetBackup IT Analytics: Architecture and Components

#### Installing the NetBackup IT Analytics Portal

- Certified Configurations
- Licensing Overview
- Installing the Portal on a Linux Server
- Installing the Portal on a Windows Server
- Portal Server Ports
- Single Sign-on Overview

#### Labs:

- Exercise A: Installing Oracle Database Application Binaries
- Exercise B: Installing the Portal Application Binaries
- Exercise C: Installing the License Key File

#### Installing NetBackup IT Analytics Data Collectors

- Certified Configurations
- Installing the Data Collector on a Windows Server
- Installing the Data Collector on a Linux Server
- Manually Starting the Data Collector
- Checking the Data Collector Status in the Portal
- Data Collector Server Ports

#### Labs:

- Exercise A: Adding the Data Collectors
- Exercise B: Installing the Data Collectors

## Working with the NetBackup IT Analytics Portal

- Understanding the NetBackup IT Analytics Portal
- Understanding Inventory
- Providing Portal Access and User Authentication

### Labs:

- Exercise A: Using Search to Navigate the NetBackup IT Analytics Portal
- Exercise B: Filtering Data in Management Grids
- Exercise C: Working with Advanced Filters
- Exercise D: Selecting Columns on Management Pages
- Exercise E: Using the Inventory Navigator
- Exercise F: Creating Portal User Accounts
- Exercise G: Working with User Groups

## Managing Hosts, Backup Servers, and Host Groups

- Understanding Hosts, Backup Servers, and Host Groups
- Managing Host Groups
- Managing Backups
- Managing Attributes and Objects

### Labs:

- Exercise A: Adding Host Groups
- Exercise B: Assigning a New Host/Server to a Host Group
- Exercise C: Managing Host Groups
- Exercise D: Decommissioning and Recommissioning Hosts and Backup Servers
- Exercise E: Adding and Managing Attributes

## Collecting Data for Capacity and File Analytics

- Data Collection Basics
- Data Collection for Capacity: Overview
- Configuring Data Collection for Capacity (NetApp)
- Working with Host Data Collection
- Data Collection for File Analytics: Overview
- Configuring File Analytics Data Collection
- Analyzing Files

### Labs:

- Exercise A: Creating a NetApp User with API Privileges
- Exercise B: Adding a NetApp Data Collector Policy
- Exercise C: Adding a File Analytics Data Collector Policy
- Exercise D: Configuring Host Discovery and Collection
- Exercise E: Verifying Data Collection in the Portal

## Collecting Data for the Cloud

- Data Collection for Cloud Overview
- Configuring Data Collection for AWS
- Configuring Data Collection for MS Azure
- Configuring Data Collection for Google Cloud Platform
- Configuring Data Collection for OpenStack Ceilometer
- Configuring Data Collection for OpenStack Swift

### Labs:

- Exercise A: Collecting Data from Amazon Web Services Resources
- Exercise B: Collecting Data from Microsoft Azure Resources

## Collecting Data for Backup

- Data Collection for Backup: Overview
- Configuring Data Collection for Veritas Backup Exec
- Configuring Data Collection for Veritas NetBackup
- Backup Performance Dashboard
- Data Collection for NetBackup Appliances

### Labs:

- Exercise A: Adding a Veritas Backup Exec Data Collector Policy
- Exercise B: Adding a Veritas NetBackup Data Collector Policy
- Exercise C: Validating Data Collection

## Collecting Data for Virtualization

- Data Collection for Virtualization: Overview
- Configuring Data Collection for VMware
- Configuring Data Collection for Microsoft Hyper-V
- Configuring Data Collection for IBM VIO

### Labs:

- Exercise A: Adding a VMware Data Collector Policy
- Exercise B: Manually Running the VMware Data Collection
- Exercise C: Adding a Microsoft Hyper-V Data Collector Policy
- Exercise D: Manually Running the Hyper-V Data Collection

## Working with Reports

- Working with Reports
- Understanding Report Data Caching and Badging
- Generating Reports
- Maintaining Reports
- Working with Ransomware Reports

### Labs:

- Exercise A: Navigating through Reports
- Exercise B: Selecting Report Scope
- Exercise C: Configuring Report Scope with Attributes
- Exercise D: Searching for Hosts in the Report Scope Selector
- Exercise E: Generating Reports
- Exercise F: Advanced Filtering for Tabular Reports
- Exercise G: Accessing NetBackup IT Analytics Reports with Out-of-the-Box Dashboards
- Exercise H: Accessing NetBackup IT Analytics Reports with the REST API
- Exercise I: Modifying and Deleting Saved Report



## Sharing, Scheduling, and Organizing Reports

- Sharing, Scheduling, and Alerting
- Organizing Reports

### Labs:

- Exercise A: Exporting and Emailing Reports and Dashboards
- Exercise B: Scheduling Exported and Emailed Reports and Dashboards
- Exercise C: Viewing and Managing Scheduled Reports
- Exercise D: Sharing Reports, Dashboards, and Folders
- Exercise E: Setting Up Alerts for Tabular Reports

## Viewing and Using Alerts

- Working with Alerts
- Managing Alert Notifications

### Labs:

- Exercise A: Managing Alert Policies
- Exercise B: Managing Report-based Alerts
- Exercise C: Suppressing and Viewing Suppressed Alerts

## Managing and Monitoring NetBackup IT Analytics

- Configuring Primary Schedules and Backup Windows
- Adding Policies
- Customizing with Advanced Parameters
- Managing the Portal Environment
- Managing and Monitoring Data Collection

### Labs:

- Exercise A: Configuring Primary Schedules and Backup Windows
- Exercise B: Adding and Editing Policies
- Exercise C: Managing and Monitoring Data Collection

## Solutions Administration

- Storage Optimization Solution
- Risk Mitigation Solution

## Labs:

- Exercise A: Configuring and Enabling Storage Optimization Rules
- Exercise B: Configuring Risk Mitigation Rules

## Working with the Dynamic Template Designer

- Working with the Dynamic Template Designer
- Configuring Different Templates

### Labs:

- Exercise A: Modifying the Dynamic Template
- Exercise B: Creating a Dynamic Template
- Exercise C: Configuring a Bar Chart Dynamic Template
- Exercise D: Configuring a Pie Chart Dynamic Template

## Working with the SQL Template Designer

- Working with the SQL Template Designer
- SQL Template Designer: Advanced Options

### Labs:

- Exercise A: Creating a SQL Template
- Exercise B: Formatting the SQL Template Output
- Exercise C: Saving and Sharing Report Templates

## Appendix A: NetBackup Log Files, Supported Configurations, and Rules

- Portal Server Log Files
- Data Collector Log Files
- Data Collection - Host Resources Supported Configurations
- Data Collection for Backup: Backup Solutions and Versions
- Storage Optimization Rules and Logic
- Risk Mitigation Rules

## Appendix B: Collecting Data for Fabric Manager

- Fabric Manager: Overview
- Data Collection for Fabric Manager
- Configuring Data Collection for Fabric Manager

## About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers— including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at [www.veritas.com](http://www.veritas.com). Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).