Veritas APTARE IT Analytics 10.6: Administration

COURSE DESCRIPTION

Acquire the skills to gain unified insights for multi-vendor backup, storage, and virtual infrastructure in heterogeneous IT environments with the Veritas APTARE IT Analytics 10.6: Administration course. You will learn the general principles, deployment, configuration, and management of APTARE IT Analytics, how to best utilize it for comprehensive IT analytics, and 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 functionality of APTARE IT Analytics and how it works in Cloud and On-premise environments.
- Install the Portal on a Windows and Linux server.
- Work with the APTARE IT Analytics Portal.
- Install and work with APTARE IT Analytics Data Collectors.
- Manage and monitor Hosts, Backup Servers, and Host Groups.
- Collect data for Capacity and the Cloud.
- Collect data for Backup and Virtualization.
- Create different types of reports and report templates, manage, schedule, and organize reports.
- Work with and manage Alert policies.
- Manage and monitor APTARE IT Analytics.
- Provide an overview of the Storage Optimization solution and Risk Mitigation solution.
- Create a Dynamic Template using the Dynamic Template Designer.
- Describe the functionality and use of the SQL Template Designer.
- List the use of APTARE log files, supported configurations, and Rules.

Who Should Attend

This course is intended for technical professionals responsible for the design, configuration, operation, monitoring, and support of APTARE IT Analytics.

Prerequisites

Students should be familiar with network, backup, storage, 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 APTARE IT Analytics environment.

COURSE OUTLINE

Introducing APTARE IT Analytics

- APTARE IT Analytics: Overview
- APTARE IT Analytics: Architecture and Components

Installing the APTARE 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 Database Schema
- Exercise D: Installing the License Key File

Installing the APTARE 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
- Data Collector Server Ports

Labs:

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

Working with APTARE IT Analytics Portal

- Understanding the APTARE IT Analytics Portal

- Understanding Inventory
- Providing Portal Access and User Authentication

Labs:

- Exercise A: Using Search to Navigate the APTARE 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

- Hosts, Backup Servers, and Host Groups
- 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: Decommission and Recommission Hosts and Backup Servers
- Exercise E: Adding and Managing Attributes

Collecting Data for Capacity and the Cloud

- Data Collection for Capacity Overview
- Configuring Data Collection for Capacity (NetApp)
- Configuring File Analytics Data Collection
- Analyzing Files
- Working with Host Data Collection
- Configuring Data Collection for Amazon Web Services (AWS)
- Configuring Data Collection for Microsoft Azure
- Configuring Data Collection for OpenStack Ceilometer
- Configuring Data Collection for OpenStack Swift

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 Backup

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

- Configuring Data Collection for VMware
- Configuring Data Collection for Microsoft Hyper-V
- Configuring Data Collection for IBM VIO

Labs:

- Exercise A: Creating a VMware Read-Only User with Required Permissions
- Exercise B: Adding a VMware Data Collector Policy
- Exercise C: Manually Running VMware Data Collection
- Exercise D: Adding a Microsoft Hyper-V Data Collector Policy
- Exercise E: Manually Running Hyper-V Data Collection

Working with Reports

- Working with Reports
- Generating Reports
- Maintaining Reports

Labs:

- Exercise A: Navigating Reports
- Exercise B: Selecting the 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: Using Advanced Filtering for Tabular Reports
- Exercise G: Accessing APTARE Reports with Out-of-the-Box Dashboards
- Exercise H: Accessing APTARE Reports with the REST API
- Exercise I: Modifying and Deleting a Saved Report

Sharing, Scheduling, and Organizing Reports

- Distributing, Sharing, Scheduling, and Alerting
- Organizing Reports
- Understanding Report Data Caching

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 APTARE IT Analytics

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

Labs:

- Exercise A: Configuring Master 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 Dynamic Templates

Labs:

- Exercise A: Modifying an Out-of-the-Box 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: APTARE 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
- Configuring Different Dynamic Templates

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. Follow us on Twitter at @veritastechllc.

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