



# BMC Discovery 11.x: Fundamentals Administering

## COURSE ABSTRACT

### COURSE CODE

» SPPT-DISA-1130

### APPLICABLE VERSIONS

» BMC Discovery 11.0, 11.1 and 11.3

### DELIVERY METHOD

» Instructor-led Training (ILT)

### COURSE DURATION

» 5 Days

### PREREQUISITES

» NA

## Course Overview

BMC Discovery is a datacenter discovery solution that automatically discovers datacenter inventory, configuration and relationship data, and maps applications to the IT infrastructure. BMC Discovery establishes the foundation for improving IT processes and productivity by providing timely and actionable insight to make informed decisions in IT service management, asset management and infrastructure/operations management.

This course provides information on the key concepts and core functionality of BMC Discovery version 11.x. The course covers new features and improvements made to BMC Discovery. Participants will receive all important information on architecture, functionalities, utilities, configurations, and troubleshooting tips for optimal deployment.

**IMPORTANT:** Included in this course is the examination for **BMC Certified Associate: Discovery 11.x**. Taking the exam and pursuing the Certified Associate designation is optional; however, all students enrolled in the *BMC Discovery 11.x: Fundamentals Administering* course are automatically enrolled in the exam. You will have one attempt to pass the exam. No retakes will be offered. Those who pass will receive the title of **BMC Certified Associate: Discovery 11.x**.

## Target Audience

» Administrators

## Learner Objectives

- » Identify the need for BMC Discovery
- » Describe the working of BMC Discovery
- » Describe the compliance support of BMC Discovery
- » Review the layout and utilities in the user interface
- » Access available dashboards and configure dashboards
- » Set up users and configure User Interface security
- » Describe a taxonomy and view standard patterns from the UI
- » Run a basic discovery scan and interpret the results
- » Explain different Discovery access types
- » Configure credentials for scans in BMC Discovery
- » Describe storage discovery in BMC Discovery
- » Describe patterns
- » Explain the concept of first scan, second scan, and optimization in a discovery run
- » Monitor discovery runs
- » Diagnose and troubleshoot discovery issues
- » Execute basic and advanced query language queries
- » Use search clauses in creating search queries
- » Run reports and view dependencies using visualizations
- » Create manual groups and working sets of hosts
- » Describe clustering and cluster management in BMC Discovery
- » Examine and modify an appliance baseline

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### COURSE ACTIVITIES

- » Classroom Presentations
- » Hands-on Lab Exercises
- » Demonstration


### BMC DISCOVERY LEARNING PATH

- » <http://www.bmc.com/education/courses/discovery-training.html>

### ACCREDITATION AND CERTIFICATION PATHS

- » <http://www.bmc.com/education/courses/certified-professional-bmc-discovery-11-x.html>

### DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » [Contact us for additional information](#) 

## Course Modules

### Module 1: BMC Discovery Overview

- » BMC Discovery Concepts
- » UI Overview

### Module 2: User Administration and System Security

- » User Management
- » LDAP Integration
- » Security Policy
- » CyberArk
- » General Security Concepts at the CLI

### Module 3: Scanning Basics

- » Basic Discovery Essentials

### Module 4: Discovery Credentials

- » The Credential Vault
- » BMC Discovery Credentials
- » Windows Credentials
- » Device Credentials
- » vSphere and vCenter Credentials
- » Credential Filtering and Ordering
- » Testing Credentials

### Module 5: Taxonomy and Data Model

- » Taxonomy Basics
- » Understanding Data Models
- » Viewing the Taxonomy

### Module 6: Discovery Overview

- » Basic Philosophy
- » First Scan Details
- » Second Scan Details
- » Optimization Details
- » Bringing it All Together

### Module 7: Discovery Scripts

- » Platforms
- » UNIX Discovery Scripts
- » Windows Discovery Scripts
- » SNMP Discovery Scripts
- » VMware ESX Discovery Scripts

### Module 8: Storage Discovery

- » Storage Discovery
- » Viewing Storage Discovery Results

### Module 9: Load Balancer Discovery

- » Storage Discovery
- » Viewing Storage Discovery Results

### Module 10: Discovery Investigation and Troubleshooting

- » Investigating and Troubleshooting per Discovery Run
- » Investigating and Troubleshooting per Discovery Access
- » Mapping Discovery Access Page to Platform Page
- » Investigating and Troubleshooting per Host Node
- » Investigating and Troubleshooting from the Discovery Dashboard
- » Discovery Conditions
- » Discovery Reports

### Module 11: Patterns Overview

- » Pattern Basics
- » Data Models and Pattern Configuration

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### Module 12: Visualizations

- » Displaying Visualizations
- » Introduction to Application Mapping with Visualizations

### Module 13: Cloud Discovery

- » Introduction to Cloud Discovery
- » Performing Cloud Discovery
- » Viewing Cloud Data

### Module 14: Dashboards Overview

- » Dashboard Basics
- » Channels Overview
- » Adding Channels
- » Working with Dashboards
- » Dashboards in the CLI

### Module 15: Query Builder

- » Types of Searches
- » Query Builder Basics
- » Query Builder Layout
- » Building a Query
- » Custom Reports

### Module 16: Query Language Overview

- » Formulating Queries
- » The SEARCH and WHERE Clauses
- » The SHOW Clause
- » Matches in Regular Expressions
- » Advanced Query Language

### Module 17: BMC CMDB Synchronization

- » CMDB Synchronization Overview
- » Configuring the CMDB Connection
- » CMDB Filters
- » Configuring CMDB Synchronization
- » Multitenancy
- » CMDB Synchronization in a Cluster
- » Viewing CIs in the CMDB

### Module 18: Appliance Baseline

- » Introduction to Appliance Baseline
- » Viewing Baseline Differences
- » Updating and Configuring Baselines

### Module 19: Appliance Security

- » Appliance Security
- » Appliance Hardening and Firewall

### Module 20: Clustering

- » Overview of Clustering
- » Configuring a Cluster
- » Fault Tolerance
- » Managing Machine Failures in a Cluster

### Module 21: Consolidation

- » Introduction to Consolidation
- » Consolidation Details

### Module 22: Appliance Backup and Restore

- » Introduction to Appliance Backups
- » Creating Backups from the UI
- » Restoring the Appliance from a Backup

### Module 23: Using BMC Discovery CLI

- » CLI Overview
- » File System Details
- » Discovery Services Syntax
- » Command Line Utilities: Overview
- » BMC Discovery Scheduling Tasks

### Module 24: Appliance Support and Upgrade

- » Appliance Configuration Page
- » BMC Discovery Logs
- » BMC Discovery Upgrade

### Module 25: Introduction to Using REST API in Discovery

- » Introduction to Discovery REST API
- » Introduction to Interacting with Discovery REST API

### Appendix A: Compliance

### Appendix B: Disk Configuration

### Appendix C: Storage Terms

### Appendix D: Load Balancer Terms