



# BMC Discovery 20.x: Fundamentals Administering

## COURSE ABSTRACT

### COURSE CODE

- » SPPT-DISA-2008

### APPLICABLE VERSIONS

- » BMC Discovery 11.0, 11.1, 11.2, 11.3, 20.02 and 20.08

### 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. 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 20.x for Administrators**. Taking the exam and pursuing the Certified Associate designation is optional; however, all students enrolled in the *BMC Discovery 20.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 20.x for Administrators**.

## 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
- » Describe consolidation in BMC Discovery
- » 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

- » [https://www.bmc.com/content/dam/bmc/education/Graphic\\_Learning\\_Path\\_DSM\\_Discovery.pdf](https://www.bmc.com/content/dam/bmc/education/Graphic_Learning_Path_DSM_Discovery.pdf)

### DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » [Contact us for additional information !\[\]\(b6d55d0b173caf9b2505126db01e6158\_img.jpg\)](#)

## Course Modules

### Module 1: BMC Discovery Overview

- » BMC Discovery Concepts
- » UI Overview

### Module 2: User Administration and Security

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

### Module 3: Running Discovery - Concepts

- » Basic Discovery Essentials

### Module 4: Configuring and Managing Full Discovery and Credentials

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

### Module 5: Understanding Taxonomy and the Discovery Data Model

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

### Module 6: Discovery Process Overview

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

### Module 7: Managing the Discovery Platform Scripts

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

### Module 8: 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 9: Storage and Load Balancer Discovery

- » Storage Discovery
- » Viewing Storage Discovery Results
- » Load Balancer Discovery
- » Viewing Load Balancer Discovery Results

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### Module 10: Software and Hardware Containers Overview

- » Describe Software Containers
- » Describe Software Container Orchestration Software
- » Describe Hardware Containers

### Module 11: Patterns Overview

- » Pattern Basics
- » Data Models and Pattern Configuration

### Module 12: Visualizations Overview

- » Displaying and Saving Visualizations
- » Introduction to Application Mapping with Visualization

### Module 13: Introduction to Cloud Discovery

- » Introduction to Cloud Discovery
- » Overview of 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: CMDB Synchronization Overview

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

### Module 16: Query Builder and Query Language Overview

- » Types of Searches
- » Query Builder Basics
- » Query Builder Layout
- » Building a Query
- » Custom Reports
- » Formulating Queries
- » The SEARCH and WHERE Clauses
- » The SHOW Clause
- » Matches in Regular Expressions
- » Advanced Query Language

### Module 17: Appliance Baseline and Security Overview

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

### Module 18: Clustering and Consolidation

- » Overview of Clustering
- » Configuring a Cluster
- » Fault Tolerance
- » Managing Machine Failures in a Cluster
- » Introduction to Consolidation
- » Consolidation Details

### Module 19: Appliance Backup and Restore

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

### Module 20: Using the BMC Discovery CLI

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

### Module 21: Appliance Support and Upgrade

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

### Module 22: Introduction to Using REST API in Discovery

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