



Course Data Sheet

UD120 – Universal Discovery 10.x Essentials

Course No.: UD120-103	Category/Sub Category: ITOM/Configuration Management System
For software version(s): 10.32 Software version used in the labs: 10.32	Course length: 5 days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: Software Education	
For a preview of this course, see: https://youtu.be/8QoGALtR56w	

Course Description

This course is designed to provide an understanding of the fundamental concepts and applications of the Universal Discovery (UD) solution. Participants learn various discovery methods and learn how to implement these methods. Federation and leveraging of actionable information are also introduced in the context of Discovery operations and management.

The hands-on lab environment uses UD version 10.32

Audience/Job Roles

This course is recommended for application or system support personnel or anyone who needs an overview of the capabilities of Universal Discovery.

Course Objectives

Upon successful completion of this course, you should be able to:

- Identify the evolution of the Configuration Management System (CMS) from the Configuration Management Database (CMDB), the need for CMS, and working of CMS
- Define the concept of Universal Discovery (UD) and be able to identify its applications and types
- Identify the architecture and deployment process of UD, and the installation and setup of the data flow probe and its log files
- Define the concepts of discovery adapters, discovery jobs, discovery scripts, and other discovery resources

- Use the Universal Discovery module to perform application dependency mapping discovery and inventory discovery
- Use zone-based discovery method and discovery activities
- Design and build agentless and agent-based discoveries, and use inventory scanners
- Work with the Software Library Viewer and various inventory tools
- Use the application recognition process and discovery rules
- Use the Discovery Troubleshooter
- Configure and Troubleshoot Automated Service Modeling (ASM)
- Use UD to support UCMDB integrations

Prerequisites/Recommended Skills

To be successful in this course, you should have the following prerequisites or knowledge:

- General knowledge of IT operations, familiarity with business services and service management
- Familiarity with the ITIL V3 Foundations subject area and the Configuration Management System (CMS) in particular
- Background in network or enterprise application administration and knowledge of enterprise architectures in a production IT infrastructure
- Working knowledge of web sites and browsers
- Familiarity with testing concepts

Learning Path



Related Courses

- CMS350 – Configuration Management System 10.x Advanced
- UCMDB120 – Universal CMDB 10.x Essentials

Certification

- HP0-M70 – HPE Universal Discovery 10.x Software

Course Topics

Modules	Objectives
Module 1: Course Overview	<ul style="list-style-type: none"> ▪ Describe the course objectives and the topics presented ▪ Identify the logistics of this class, including the daily schedule, features of the virtual room, and information about the ebooks and related courses
Module 2: Universal Discovery Foundation	<ul style="list-style-type: none"> ▪ Define a Configuration Management System ▪ Describe the components of a CMS ▪ Define the Data Flow Management modules
Module 3: Introduction to Universal Discovery (UD)	<ul style="list-style-type: none"> ▪ Define Universal Discovery functions and features ▪ Identify uses/applications of Universal Discovery ▪ Identify the Universal Discovery components
Module 4: Universal Discovery Architecture, Installation, and Deployment	<ul style="list-style-type: none"> ▪ Identify the architecture and deployment of Universal Discovery ▪ Install the Universal Discovery Probe ▪ Set up the Universal Discovery Probe ▪ Obtain Universal Discovery licenses
Module 5: Universal Discovery Adapter Management	<ul style="list-style-type: none"> ▪ Define adapter management ▪ Identify different resource types for adapter management ▪ Identify the UD adapters ▪ Define the discovery scripts ▪ Identify other adapters resources ▪ Define the discovery packages
Module 6: Working with the Universal Discovery Module	<ul style="list-style-type: none"> ▪ Use different approaches to running discovery ▪ Use the Universal Discovery module ▪ Use module/job-based discovery ▪ Use zone-based discovery ▪ Define management zones ▪ Define discovery activities
Module 7: Dependency Mapping Discovery	<ul style="list-style-type: none"> ▪ Identify Dependency Mapping discovery ▪ Define Spiral discovery ▪ Define agentless dependency mapping discovery ▪ Implement UD agent (UDA) deployment ▪ Define agent-based dependency mapping discovery

Module 8: Universal Discovery Inventory Discovery	<ul style="list-style-type: none"> ▪ Discuss Inventory Discovery ▪ Use the Inventory Scanner ▪ Deploy Inventory Discovery ▪ Use the Scanner Generator Wizard ▪ Run Inventory Discovery, both Enterprise and Manual modes ▪ Use the Java XML Enricher ▪ Perform client discovery ▪ Use Inventory Tools and Reports
Module 9: Universal Discovery Application Recognition	<ul style="list-style-type: none"> ▪ Define the application recognition process ▪ Use the Software Library Viewer ▪ Use the Software Application Index (SAI) editor ▪ Describe Application Teaching ▪ Describe Application Teaching using the SAI editor ▪ Use the Analysis Workbench ▪ Use Express Teaching
Module 10: Discovery Rules Engine	<ul style="list-style-type: none"> ▪ Define the Discovery Rules Engine ▪ Work with discovery rules ▪ Identify the Discovery Rules Engine log files
Module 11: Monitoring and Troubleshooting Discovery	<ul style="list-style-type: none"> ▪ Monitor discovery progress ▪ Use discovery-related reports ▪ Use the discovery troubleshooter ▪ Monitor and troubleshoot using the UCMDB Browser ▪ Use the UD log files
Module 12: Configuring and Troubleshooting Automated Service Modeling (ASM)	<ul style="list-style-type: none"> ▪ Create a service model using Automated Service Modeling (ASM) (review) ▪ Create consumer-provider dependency mapping ▪ Conduct a top-down discovery ▪ Conduct ASM troubleshooting
Module 13: Integrations	<ul style="list-style-type: none"> ▪ Identify UCMDB integrations ▪ Define integration types ▪ Navigate the Integration Studio ▪ Integrate UCMDB and Service Manager ▪ Integrate UCMDB and Asset Manager ▪ Use the Visual Mapping Tool