Hewlett Packard Enterprise

Course Data Sheet

UD120 – Universal Discovery 10.x Essentials

Course No.: UCMDB120-102	Category/Sub Category: Operations Management/Configuration Management System
For software version(s): 10.2 Software version used in the labs: 10.2	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: http://h20546.www2.hp.com/main/training/course_details.cfm?ProductID=151&Course=00011004&sitepick=US	

Course Description

This course is designed to provide an understanding of the fundamental concepts and applications of the HP 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 10.2

Audience / Job Roles

This course is recommended for application or system support personnel or anyone who needs an overview of the capabilities of HP UD 10.1x.

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 discover 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

- Use UD to support UCMDB integrations

- Describe just-in-time discovery

- Perform the migration of UD from Discovery and Dependency Mapping Inventory (DDMI)

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

UD120 - Universal Discovery 10.x Essentials → CMS350 - Configuration Management System 10.x Advanced

Certification

- N/A

Course Topics

Modules	Objectives
Module 1: Course Overview	• Introductions • Lab information
Module 2: UD Foundation	• Explain the Configuration Management System (CMS) • Identify the evolution from CMDB to CMS • Define the CMS architecture • Identify the advantages of CMS • Identify the key features of HP CMS • Identify target users of CMS • Define Data Flow Management (DFM)
Module 3: Introduction to Universal Discovery (UD)	• Define UD • Identify uses/applications of UD • Identify the types of discovery methods
Module 4: UD Architecture, Installation, and Deployment	• Identify the architecture of UD • Identify the deployment process and methods • Install the Data Flow Probe • Set up the Data Flow Probe • Obtain UD licenses
Module 5: UD Adapter Management	• Define adapter management • Identify different resource types for adapter management • Identify the UD adapters • Define the discovery scripts • Identify other resources • Define the discovery packages
Module 6: Working with the Universal Discovery Module	• Use the Universal Discovery module • Implement discovery jobs • Define management zones • Identify discovery activities • Create discovery modules
Module 7: Dependency Mapping Discovery	• Describe Dependency Mapping discovery • Define agentless discovery • Define agent-based discovery • Implement UDA deployment • Define Spiral discovery

Module 8: UD Inventory Discovery	• Define Inventory Discovery • Introduce Inventory Scanners • Use the Scanner Generator Wizard • Use the Java XML Enricher • Define Client discovery • Use Inventory Tools and Reports

Module 9: UD Application Recognition	• Define the application recognition process, including:
	   o Different recognition mechanisms
	   o Application recognition identification
	   o Application recognition workflow
	   o Application recognition at the file level
	   o Level 3 recognition heuristics
	   o Recognition of UNIX OS versions
	   o File signatures
	   o Application recognition engine
	• Describe the SAI editor
	• Describe the Software Library Viewer
	• Implement application teaching
	   o Viewer – Asset Field Settings
	   o Analysis Workbench - Recognition Objectives
	   o SAI editor - Scan Files, MSI Installer, Teaching Using Recognition Objectives, Rule-Based Application Teaching
	   o Express Teaching

Module 10 : Just-in-Time Discovery	• Define Real User Monitor (RUM) • Define Just-in-Time (JIT) discovery • Identify the architecture of JIT discovery • Identify the deployment process and methods of JIT discovery
Module 11: Monitoring and Troubleshooting Discovery	• Identify the data flow discovery status • Create discovery-related reports • Define the Discovery Troubleshooter • Identify Data Flow Probe log files
Module 12: Integrations	• Identify UCMDB integrations • List UCMDB integrations as part of CMS • Identify the integration technologies • Describe custom integrations • Define the integration types • Navigate the Integration Studio • Identify integration point, adapter, and job • Describe UCMDB-SM integration • Describe UCMDB-AM integration
Module 13: Using Discovery Rules Engine	• Define the Discovery Rules Engine • Define discovery rules • Identify the Discovery Rules Engine log files • View OOTB rules • Identify upgrade rules
Module 14: Performing UD Migration from DDMI	• Describe the Discovery and Dependency Mapping Inventory (DDMI) software • Identify DDMI migration options • Perform DDMI migration