Universal CMDB Essentials

Varighet: 5 Days   Kurskode: UCMDB

Beskrivelse:

This course is designed to provide an understanding of the fundamental concepts and applications of the HP Universal Configuration Management Database (UCMDB). Participants learn visualization and mapping techniques to build business service views, implement change tracking, perform impact analysis and enrichment of topology data and reporting. This course also covers UCMDB Browser and UCMDB Configuration Manager, which provide different end-user perspectives to analyze and consume UCMDB data. The discussions and scenario-based exercises reinforce skills to optimize business outcomes through the efficient use of the HP UCMDB, UCMDB Configuration Manager and UCMDB Browser.
The hands-on lab environment uses UCMDB version 10.0x.

Målgruppe:

This course is recommended for application or system support personnel or anyone who needs an overview of the capabilities of HP UCMDB 10.0x

Agenda:

- At the end of the course, you should be able to:
    – Describe CMS, HP CMS, and HP UCMDB
    – Become familiar with the architecture, integrations, and system-level components of the HP UCMDB
    – Describe various enterprise deployment scenarios and configuration approaches
    – Use the UCMDB browser to consume UCMDB local and federated data
    – Describe the basic usage and configuration of Configuration Manager
    – Design and build business services views and topology maps to solve business problems
    – Use out-of-the-box and ad-hoc reports and comparison options to track infrastructure changes
    – Create perspective-based views and models using the Modeling Studio to make it easy to map applications
    – Describe the concept, configuration, and usage of impact analysis
    – Enhance and auto-populate HP UCMDB through the use of Enrichments
    – Gain a basic understanding of UCMDB integration capabilities
    – Gain an overview of the capabilities of Universal Discovery

Forkunnskaper:

– General knowledge of IT operations, familiarity with business services, and service management
– Familiarity with the Information Technology Infrastructure Library (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

Innhold:

Module 1: Course Overview
– Define HP UCMDB/DFM and the concepts of CIs and CITs in the context of Business Service Management (BSM)
– Define HP Universal Configuration Management Database (UCMDB)/Data Flow Management (DFM),
and the concepts of Configuration Items (CIs) and CI Types (CITs) in the context of HP Business Service Management (BSM)
– Identify the architecture, integrations, and system-level components of the HP UCMDB
– Identify various enterprise deployment scenarios and configuration approaches
– Identify the basic usage and configuration of UCMDB Configuration Manager (CM)
– Design and build business service views and topology maps to solve business problems
– Create perspective-based views and models using Modeling Studio to make it easy to map applications
– Define the concepts of

Module 2: Introduction to CMS and HP CMS
– Define Configuration Management System (CMS)
– Identify the evolution from Configuration Management Database (CMDB) to CMS
– Define the CMS architecture
– Identify the advantages of CMS
– Identify the key features of HP CMS
– Identify target users of CMS
– Work with CMS components
– Use CMS-related solutions, such as:
o Change, Configure, and Release Management (CCRM)
o Business Service Management (BSM)
o Service Asset and Configuration Management (SACM)
o Closed-Loop Incident Process (CLIP)
o Data Center Transformation (DCT)

Module 3: Introduction to UCMDB
– Define UCMDB
– Identify capabilities and features of UCMDB
– Integrate UCMDB
– Define the architecture of UCMDB
– Map and discover UCMDB
– Deploy UCMDB

Module 4: UCMDB Browser
– Identify the key features of UCMDB Browser
– Summarize the UCMDB Browser value proposition
– Navigate through the Browser UI
– Search using the Browser
– Change CI data using the Browser
– View direct links to external applications
– View different Browser widgets

Module 7: CIT Manager
– Define the UCMDB class model
– Identify the UCMDB class model components, including:
o CIs
o CI types (CIT)
o CIT relationships
– Define the UCMDB class model hierarchical structure
– Navigate the CI Type Manager
– Define the CI Type Manager user interface
– Work with attributes
– Create a CIT
– Create a relationship type

Module 8: Modeling Studio-Queries
– Work with the Modeling Studio
– Define the TQL
– Define TQL concepts
– Build a TQL
– Manage queries

Module 9: Modeling Studio-Views
– Define views
– Identify the components of a view
– Define the different types of views
– Define templates
– Create a pattern view
– Create templates
– Define perspectives
– Work with views

Module 10: Modeling Studio-Models
– Define models
– Identify the types of models
– Create an instance-based model
– Define watchpoints
– Define revealing CIs
– Work with the CI collection
– Create pattern-based model
– Use a model in perspective-based view
– Navigate the Model Editor

Module 11: Reports
– Identify UCMDB reports
– Define Topology reports
– Define Custom reports
– View various custom reports
– Manage reports

Module 12: Impact Analysis Manager
– Define impact analysis
– View use cases of impact analysis
– Define events, state and status
– Define trigger and affected nodes
– Navigate Impact Analysis Manager
– Define an impact analysis rule
– Define impact rule groups
– OOTB impact analysis rules

Module 13: Enrichment Manager
– Define enrichments
– List enrichment operations
– View examples of enrichments
– Navigate the enrichment manager
– Define enrichment manager UI elements
– Work with enrichments
– View OOTB enrichments
– Schedule enrichments

Module 14: Security
– Define UCMDB user permissions
– Define resource groups
– Define Roles Manager, OOTB roles
– Work with users and groups to:
o Create new user and groups
o Navigate the Details tab
o Navigate the Roles tab
o Navigate the Permissions Overview tab
– Identify Ownership Management
– Working with LDAP mapping

Module 15: Administration
– Identify the CI lifecycle and aging mechanism
– Work with the Package Manager
o Create a Custom package
o Use Content Packs
– Use log files
– Work with Infrastructure Settings Manager
– Navigate the State Manager
– Work with the Scheduler
– Use the Recipients Manager

Module 16: Integrations (Population, Data Push, Federation)
– Identify UCMDB integrations
– List UCMDB integrations as part of CMS
– Identify the integration technologies
– Define the integration types
– Navigate the Integration Studio
– Identify Integration Point, Adapter, and Job
– Describe UCMDB-SM integration
– Describe UCMDB-AM integration
– Describe UCMDB-CM integration
– Describe Custom integrations

Module 17: Overview of Universal Discovery (UD)
– Define UD
– Identify the key features of UD
– Identify UD components
– View UD as part of HP CMS
– Define Discovery methodologies including:
o Inventory and Dependency Mapping Discovery
o Agent-less and Agent-based Discovery
o Active and Passive Discovery
– Define Zone-based Discovery
– Deploy UD

– Use service modeling
– Browse through installation and configuration requirements

Module 5: UCMDB Configuration Manager
– Define the UCMDB Configuration Manager (CM)
– Identify the UCMDB CM value proposition
– Identify the UCMDB CM components
– Navigate the UCMDB CM UI
– View CM licensing, installation, configuration, and administration

Module 6: IT Universe Manager
– Define the IT Universe Manager
– Identify the IT Universe Manager's UI elements:
o Map mode as compared with Text mode
o Group By modes
– Work with the CIs
– Navigate the Advanced pane
– Work with the CI Selector:
o Browse views
o Search CIs
o Toolbar options

– Run impact analysis
o Using a view
o Show impact and root cause

– Identify the benefits of Discovery and Dependency Mapping Advanced (DDMA)
– Perform UD licensing

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

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