Course Description

Course: SMGR201v5
SUSE Multi-Linux Manager 5 Operations

Training Level:
- ❏ Beginner

Delivery Method
- ❏ ILT
- ❏ eLearning

Duration:
- ❏ 3 days
- ❏ Approx 12 hours video content

Course Overview

This course is focused on the day-to-day administrative tasks associated with managing servers in a SUSE Multi-Linux Manager 5 environment. The course will cover how to use SUSE Multi-Linux Manager 5 for common system administration tasks. Students will learn to use both the Web UI and command line utilities to manage client systems, channels, and software deployments, as well as automate common tasks.

This course helps prepare a student for the SUSE Certified Administrator in SUSE Multi-Linux Manager 5 certification.

Key Objectives

Attendees will learn to:
- ❏ Describe the methods used to register a target system
- ❏ Create and clone the various types of Channels that exist in SUSE Multi-Linux Manager
- ❏ Manage the testing of updates and patches using the Content Lifecycle Management component
- ❏ Understand the containerized architecture of SUSE Multi-Linux Manager and its effects on day-to-day operations
- ❏ Define the administrative roles available and utilize those roles to delegate management responsibility for organizations and the resources within those organizations
- ❏ Use the Web UI to execute commands on one or more managed system
- ❏ Create and run Action Chains that will perform a series of actions on multiple managed systems concurrently
- ❏ Enforce the Highstate or a Custom State on a managed system
- ❏ Select a group of systems to manage based on common characteristics or system group membership
- ❏ Obtain detailed system information about any system managed by SUSE Multi-Linux Manager

Audience

This course is designed for:
- ❏ **Server System Administrators** who are tasked with day-to-day server management and support.
- ❏ **Senior System Administrators** who are typically 2nd or 3rd level support within a company and act as “team leads” for Server System Administrators.
- ❏ **Consultants** that need to understand how SUSE Multi-Linux Manager can significantly reduce the administrative burden of managing hundreds or even thousands of systems.

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Prerequisites

Attendees should have the following experience and skills before attending this class:

- ❏ Installing and configuring Management Servers and Proxy Servers is only reviewed in this training. The attendee is assumed to be responsible for day-to-day management. However, detailed information on installation and initial configuration of SUSE Multi-Linux Manager is presented in course SMGR211v5: SUSE Multi-Linux Manager 5 Deployment.
- ❏ At least one year's experience managing Linux operating systems
- ❏ Ability to work at the Linux command-line and use the vi editor
- ❏ Understanding of how to manually install packages on SUSE Linux Enterprise servers.

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Course Outline

- Section 1: Course Introduction
  - Course Objectives and Audience
  - Course Lab Environment Overview
  - Certification Options
  - Additional SUSE Training
- Section 2: SUSE Multi-Linux Manager 5 Architecture
  - Review SUSE Multi-Linux Manager 5 Architectural Components
  - Impact of Containerization on Day-to-Day Operations
- Section 3: SUSE Multi-Linux Manager Web UI
  - Introduction to the SUSE Multi-Linux Manager Web UI
  - Selecting Client Servers based on Common Characteristics
  - Using “Advanced Search” to Locate and View detailed Information about Managed Clients
- Section 4: Registration Process
  - Understanding the Importance of Registration
  - Managing Registration-related Objects
  - Planning for Registration
  - Introduction to Registration Methods
  - Using the Registration Methods
- Section 5: Channel Management
  - Understanding Channel Related Terminology
  - Cloning Channel Content
  - Understanding Content Lifecycle Management (CLM) Terminology
  - Performing CLM Configuration and Operations
  - Implementing a Real-World CLM Strategy
  - Implementing AppStream Modules
- Section 6: Delegating Management Authority
  - Defining SUSE Multi-Linux Manager “Organization”
  - Understanding “Administrative Roles” in SUSE Multi-Linux Manager
  - Understanding “Permission Roles” and Their Capabilities
  - Using the Web UI to Manage Users and Grant Permissions
- Section 7: Performing Other Common Administrative Tasks in SUSE Multi-Linux Manager
  - Using the Web UI to Execute Remote Commands
  - Using the System Set Manager (SSM)
  - Implementing Action Chains
  - Scheduling Highstate and Enforcement and Recurrent Custom States
  - Understanding Subscription Matching

SUSE Training

Information about SUSE Training can be found at:

https://www.suse.com/training/



Contact suse-training@suse.com with any questions.

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