

# SUSE Manager Deployment and Initial Configuration (SMGR211V4)

ID SMGR211V4 Price on request Duration 3 days

## Who should attend

This course is designed for those that are new to SUSE Manager. In particular for:

- System architects leading the deployment of SUSE Manager across their organization
- Linux system administrators who want an efficient and effective way to manage their Linux servers centrally rather than individually as a bunch of separate servers

## Prerequisites

Attendees should have:

- familiarity with the Linux Command Line
- at least a year of Linux System Administration experience
- and some bash scripting skills.

SUSE Certified Administrator (SCA) in SUSE Linux Enterprise Server 15 or above, or the equivalent level of experience is recommended.

## Course Objectives

During this course you will learn the following:

- Understand the system management challenges and need for a comprehensive systems management solution
- Understand the benefits of SUSE Manager 4.3
- Learn about the new product features introduced in SUSE Manager 4.3
- Understand the different tiers of a fully deployed SUSE Manager system and learn the major software components of SUSE Manager and how they relate to one another
- Understand the purpose of the Hub Server in very large SUSE Manager deployments
- Learn the hardware and software requirements for installing the various tiers of the SUSE Manager system
- Understand how to perform an on-line and disconnected installation of SUSE Manager Server

- Understand the purpose of the two stages (Initial Setup and SUMA Administrative Setup) of the SUMA setup procedure
- Learn how to perform the Initial Setup whether your SUMA Server was installed in “text only” or “graphical mode”
- Perform the SUMA Administrative Setup using the SUMA Web UI
- Understand the importance of the SUSE Customer Center (SCC) in providing patch and update content for your SUMA Server
- Learn how to sync SCC provided content down to your SUMA Server using the Web UI’s Setup Wizard and be able to monitor the progress of the synchronization process
- Understand the pre-installation issues and hardware and software requirements for the three different types of SUMA 4.3 Proxy Server
- Install a Traditional SUMA 4.3 Proxy Server and register the Proxy as a Salt Minion
- Understand how to configure a Traditional SUMA 4.3 Proxy Server to make it function as a Proxy Server for downstream client servers
- Learn how to install the Podman and Helm-based versions of the SUMA Proxy Server; which are new in SUSE Manager 4.3
- Understand the purpose of the Client Registration Process and what occurs during Registration
- Understand the planning you need to do prior to registering target client systems, in particular how to make SCC channel content available once systems have been registered
- Learn how to manually create Bootstrap Repositories required for Client Registration
- Create and configure System Groups and Activation Keys and learn the best practices for doing so.
- Learn the different methods that can be used to Register target client servers
- Perform Client Registration using multiple methods
- Understand what a Salt Key is and the methods to accept pending Salt Keys at your SUMA Server
- Understand how to create and implement a Content Lifecycle Management strategy to manage patches and updates for registered client systems

## Course Content

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Labs will be performed on SUSE Manager v4.3.2.

## Section 1: Course Introduction

### Section 2: Introduction to SUSE Manager

- Addressing the Need for Systems Management
- SUSE Manager: Commitment to Open Source
- Benefits of SUSE Manager
- New Features in SUSE Manager 4.3

### Section 3: Architecture and Installation of SUSE Manager

- Understand the Architecture of SUSE Manager 4.x
- Understand Installation Requirements of SUSE Manager 4.x
- Perform an Online Installation of SUSE Manager 4.x Server

### Section 4: Initial Setup and Configuration of SUSE Manager Server

- Understand the Purpose of the SUSE Manager Setup Procedure
- Perform the SUSE Manager Setup Procedure
- Sync Products from the SCC

### Section 5: Installation and Configuration of SUMA Manager Proxy Server

- Understand the Purpose of the SUSE Manager Proxy Server
- Understand Pre-Installation Considerations and Installation Requirements of a SUSE Manager Proxy Server
- Perform a SUSE Manager Traditional Proxy Server Installation
- Register a SUSE Manager Traditional Proxy Server as a Salt Minion
- Learn how to Configure a SUSE Manager Proxy Server
- Learn how to install the Helm-based SUSE Manager Proxy Server, and configure an administrative workstation for managing the Kubernetes Cluster running on the Proxy Server Host.

### Section 6: Registering Client Systems

- Understand the Purpose of Client Registration
- Plan and Prepare to Register Client Systems
- Configure Activation Keys
- Overview of the Registration Methods
- Use the Various Registration Methods
- Accept Pending Salt Keys

### Section 7: Introduction to Content Lifecycle Management

- Understand the Content Lifecycle Management (CLM) Terminology
- Understand CLM Relation Operations
- Implement a CLM Strategy

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## Training Centres worldwide



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>