



## SUSE Manager 3.1 Administration

CLAVE	DURACIÓN	MODALIDAD	EXAMEN
SMGR201	3 días	Presencial	050-742

PRERREQUISITOS	TECNOLOGÍA
SLE201	SUSE

# Overview

## About this Course

This course prepares attendees to install SUSE Manager 3.1, configure the SUSE Manager 3.1 server in their environment, register their existing or new servers to SUSE Manager, use Salt configuration management, search for CVE vulnerabilities, patch servers, use Subscription Matching, add Organizations and use the SUSE Manager Proxy Server.

SUSE Manager 3.x adds support for Salt based configuration management and a range of updates and improvements from the 2.1 release.

## Audience Profile

This course is suitable for customers who are either deploying or considering deploying a SUSE Manager 3.1 solution, SUSE Partners and consultants who require to learn about the features and functions of SUSE Manager 3.1.

## At Course Completion

During this course you will learn:

- Install and Configure SUSE Manager
- Users and System Group Management
- Channel Management
- Create and Configure Activation Keys
- Register Salt Minions
- Salt Fundamentals
- Apply Salt States
- Run a CVE audit and Patch Systems
- Subscription Matching
- Unattended System Deployment
- Expanding SUSE Manager with Organizations
- Install and Configure SUSE Manager Proxy

## Prerequisites

- Attendees should have a good knowledge of Linux administration to the SUSE Certified Linux Administrator 12 level.
- An understanding of systems management processes such as ITIL is useful but not essential.

## Course Outline

### Module 1: Introduction and Features Overview

- The need for Systems Management
- Why SUSE Manager?
- SUSE Manager Features Overview
- SUSE Manager and Spacewalk
- SUSE Manager and Salt

### Module 2: Architecture and Components

- Architecture and Components
- Key Features
- Database

### Module 3: Installation and Initial Configuration

- Prepare to Install SUSE Manager
- Installation Process
- Initial SUSE Manager Configuration
- Organization and Administrative User Creation
- SUSE channel configuration
- SUSE Manager Web UI Features

### Module 4: Users, Group, Role and Organization Configuration

- Administrative Objects and Relationships
- The First Administrative User
- Delegation of Administration
- User Management
- Group Management

### Module 5: Software Channel Management

- PAM Authentication
- SUSE Customer Center Channels
- Channel Types
- Channel Lifecycle Management

- Cloning Channels
- Custom Repositories and Channels
- Retired Channels

## Module 6: System Registration

- Activation Keys
- Prepare to Register Minions
- Minion Installation and Registration
- Accepting the Minion's Key
- View Registered Systems Details

## Module 7: CVE and Patching

- Common Vulnerabilities and Exposures
- Cloning Patches
- CVE Audit
- Applying Patches

## Module 8: Salt Overview

- Overview
- Salt Basics
- Execution Modules
- Grains
- States
- Pillar
- Highstate
- Environments
- Beacons and Reactors

## Module 9: System Management using Salt States

- Understand Minion Management using Salt States
- Defining and Applying states

## Module 10: Subscription Matching

- Subscription Matching Overview
- Subscription Matching Inputs
- Outputs from Subscription Matching

## Module 11: System Deployment

- Overview
- Preparing for Deployment
- Deploying Systems

## Module 12: Organizations

- Overview of Organizations
- Configure Organizations
- Organizational Trusts
- Migrating Registered Systems between Organizations
- Sharing Channels with other Organizations

## Module 13: Deploying the SUSE Manager 3.1 Proxy

- Prepare for Installation
- Install SUSE Manager Proxy
- Configure the Proxy
- Register Client with the Proxy