**Course Description**

# Course: SOC301
# Advanced Administration and Deployment of SUSE OpenStack Cloud

**Training Level:**
- ❏ Advanced

**Duration:**
- ❏ 2 days

## Course Overview

This two-day course is designed for system administrators, DevOps, system engineers and others who want to learn how to deploy a highly available SUSE OpenStack cloud.

Participants begin with a detailed overview of the component parts of OpenStack and a comprehensive understanding of the tasks necessary to deploy a highly available SUSE OpenStack cloud. Attendees will then use automated tools to build a highly available OpenStack cloud in the course lab.

## Key Objectives

During this course you will learn:
- ❏ The fundamentals of networking in the modern datacenter
- ❏ How to plan for an OpenStack Cloud deployment
- ❏ How to deploy a Highly Available OpenStack Cloud
- ❏ How to backup and restore the Admin node

## Audience

This two-day course is designed for system administrators, DevOps, system engineers and others who want to learn how to deploy a highly available SUSE OpenStack Cloud.

## Prerequisites

Attendees should have familiarity with the Command Line, Linux System Administration skills and attention to details. Certified OpenStack Administrator (COA) certification or level of experience is required. SUSE Certified Administrator (SCA) in Enterprise Linux or SUSE Certified Linux Engineer (SCE) in Enterprise Linux certification or level of experience recommended.

SUSE

## Course Outline

- ❏ Section 1: Lab Environment Setup
- ❏ Section 2: Plan for an OpenStack Cloud Deployment
- ❏ Section 3: Fundamentals of Networking in the Modern Datacenter
- ❏ Section 4: Introduction to Crowbar
- ❏ Section 5: Install and Configure the Admin Node
- ❏ Section 6: Deploy a Highly Available SUSE OpenStack Cloud with Crowbar
- ❏ Section 7: Backup and Restore an Admin Node

**SUSE Services**

Information about SUSE Training can be found at:

https://training.suse.com

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