

# SALTSTACK®

## Salt Open Source Foundations Training Syllabus

The Salt Open Source Foundations training course provides an IT professional the fundamental skills needed to manage IT infrastructure using the Salt open source automation engine.

### PREREQUISITES

Linux system administration experience.

### OVERVIEW

The course begins with the installation, configuration, and use of remote execution modules to outline the use of Salt for basic systems management.

It then builds on those concepts with the implementation of Salt states. The Salt states sections include the creation of SLS files and state trees, setting requisites and declarations, and using the default YAML and Jinja renderers.

There is instruction on utilizing Salt grains, pillars in state files. Additional topics include Salt runners, returners, reactors, beacons, and orchestration. Salt topology considerations will cover Salt SSH, and Salt Syndic. Implementing external and master job caches to persistent storage will also be covered.

### INCLUDED

All students are provided:

- A digital training manual (PDF)
- A Salt Cloud environment for hands-on labs during training

### FORMAT

This training is offered publically at SaltStack headquarters in Lehi, UT with virtual instructor-led (vILT) access for remote attendees on the five half-day format. When offered privately, on-site training follows a three-day format.

## AGENDA

- Introduction
- Salt installation and configuration
- The Salt command line
- Salt remote execution framework
- Basics of Salt states
- State requisites and declarations
- Using Jinja with Salt
- Using Salt Pillar data
- Using Runners and Orchestration
- Salt Reactors and Beacons
- Salt SSH
- Job Caches and File Backends
- Introduction to Salt Cloud
- Introduction to SaltStack Enterprise

## TECHNICAL REQUIREMENTS

SaltStack training technical prerequisites include:

**Video conferencing** - If attending remotely, we typically use Zoom for remote attendees. If an alternative video conferencing technology is used, technical requirements will be provided.

**Labs** - Each student will be given a group of Linux and Windows virtual machines hosted in AWS. You will need to be able to SSH to port 22 from your network to access it.

## CERTIFICATION

Completing Salt Open Source Foundations OR SaltStack Enterprise I, AND SaltStack Enterprise II will prepare an attendee to sit for the **SaltStack Certified Engineer (SSCE)** exam.

## CONTACT INFORMATION

### **SaltStack training location**

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### **Email:**

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