

# COURSE OUTLINE: ExtremeCloud™ SD-WAN – Installation and Configuration



## ASSOCIATED CERTIFICATIONS

ExtremeCloud SD-WAN –  
Installation and Configuration



## COURSE DURATION

2 Days



## DELIVERY METHOD

Available as Classroom  
Instructor-led training and Virtual  
Instructor-led training.

## COURSE OVERVIEW

This course will enable you to install and configure an ExtremeCloud SD-WAN solution including the major Site types: Bridge mode, Router mode, Hybrid mode and Remote Visibility Control (RVC) Site. You will gain an understanding of the concepts and functionality of the SD-WAN architecture through comprehensive lectures and discussions. By performing the labs, you will experience onboarding the appliances with ExtremeCloud SD-WAN Orchestrator and validating network application flow.

### WHO SHOULD ATTEND

This course is designed as the first step for individuals responsible for the installation and configuration of the ExtremeCloud SD-WAN solution.

## MANDATORY PREREQUISITE

The Meet ExtremeCloud SD-WAN Welcome Series certification is a mandatory prerequisite and must be completed prior to attending the ExtremeCloud SD-WAN - Installation and Configuration class. You should possess a solid grasp of LAN & WAN concepts, including Ethernet, MPLS, TCP/IP and software applications. To learn the basics of networking, see Extreme Academy.

## COURSE OBJECTIVES

Upon completion of this course, students will have gained the working knowledge to:

- Explain the architecture of the SD-WAN solution including the key solution components: connectivity options, security options, application performance and orchestration.
- Deploy an ExtremeCloud SD-WAN solution including onboarding appliances and monitoring the application traffic to confirm proper operation.

# AGENDA

## ExtremeCloud SD-WAN Solution Overview

- Solution Architecture and components

## ExtremeCloud SD-WAN Appliances Architecture

- Appliance component architecture
- Deployment modes

## ExtremeCloud SD-WAN Appliances and Installation

- SD-WAN Appliance product line
- Zero-Touch Provisioning (ZTP) and onboarding

## SD-WAN User Interface and Onboarding

- ExtremeCloud SD-Wan Orchestrator
- Workflows overview

## Overlay in Full-router mode & Hybrid mode

- Analyze the full-router site configuration
- Analyze the hybrid site configuration
- RVC Sites

## Gateways (External, Cloud) Overview

- External Gateways
- Cloud Gateways

## Application Visibility - Application Database

- Application recognition
- Application Dictionary
- Applications Precedence

## Application Visibility - Cloud Application Database

- SD-WAN cloud applications catalog
- Provision SaaS applications

## Application Control Principles and Configuration

- WAN congestion control concepts
- SD-WAN Application Control analysis
- Application Groups and parameters

## Dynamic WAN Selection (DWS) Principles & Configuration

- Four stage decision making criteria
- Availability, Connectivity, Preference and Quality
- Analysis of DWS in operation

## WHERE DOES THIS COURSE FIT IN YOUR PROFESSIONAL PROGRAM LEARNING PATH?

