



INTRODUCTION TO SOLACE ADMINISTRATION 101 TRAINING

Course Overview

This intensive, three day, instructor-led course provides an introduction into operational management of Solace products, and how to configure & administer various features for applications which leverage Solace messaging. The course begins with a general overview of Solace technology and administration tool basics. It continues with some advanced topics on configuration, monitoring, security administration, troubleshooting, and managing Solace's various messaging features. The course also covers an overview of the high availability models, data replication, and disaster recovery features of the Solace PubSub+ appliance and software. We will also cover how to bridge data between geographic locations and environments. There are some additional overview topics also available in this course, such as opening tickets with Solace Support, interaction with support and escalation procedures, Caching with Solace, and messaging with REST. Most modules are accompanied with lab exercises that provide hands-on experience.

Course Objectives

Upon completion of this course, participants will be able to do the following:

- Understand at a high level the various features and capabilities provided by the Solace product line, and how to administer them
- Configure Solace Message Brokers for role-based administration
- Setup, secure, and monitor messaging environments for applications
- Configure guaranteed delivery, and implement exchange patterns for applications that are not tolerant to data loss
- Troubleshoot and monitor health of Solace products
- Understand how to deploy Solace messaging for High Availability and Disaster Recover

Delivery Method: Instructor-led private on-site classroom

Course Duration: Three days of training

Target Audience: This course is designed for developers, engineers, system administrators, and operations staff responsible for configuring, managing, and monitoring Solace PubSub+ Message Brokers. It's also suited for those who want to learn the basics of application development using Solace Enterprise APIs.

Prerequisites:

- Basic understanding of TCP/IP networking concepts
- Prior knowledge of Enterprise Integrations using messaging is helpful but not required

Pricing: Please contact us at services@solace.com

More Information: To learn more, contact your account executive or email services@solace.com.

Course Agenda

Module	Objective
Day 1	
Introduction & Logistics (INT 1000)	Meet, greet, introductions. Set agenda for the day & Course.
Introduction to Solace (INT 1001)	Understand at a high level the various features and capabilities provided by the Solace product line.
Introduction to Messaging Concepts (INT 1005)	Understand the basic messaging concepts, terminology & standards, and a high-level overview of PubSub+ Event Brokers.
	Hands-On (Connecting to your Event Broker)
Solace Multi-Tenancy (INT 1020)	Understanding of Solace Multi-Tenancy, administration, data & resource scoping, and roles-based access.
	Hands-On (Testing Your Connection & Setting up your VPN)
Topic Structures and Hierarchies (INT 1015)	Understand how applications exchange data using Solace Topics. Covers Topic structure, hierarchies, design examples, and use cases.
Direct Messaging: Overview & Features (ADM 1055)	Understanding of Solace's Direct Messaging and features like Shared Subscription and Message Eliding.
	Hands-On (Shared Subscription)
Client Authentication (ADM 1010)	Become familiar with the different authentication features that can be used to authenticate client applications on the PubSub+ Event Brokers.
Client Management Overview (ADM 1015)	Understand the options available for administrators to manage client authentication and authorization rules.
	Hands-On (Client Authorization)

Module	Objective
Day 2	
Introduction to Guaranteed Messaging (ADM 1100)	Understand how Solace provides persistence to applications that cannot tolerate message loss.
Guaranteed Messaging Patterns (ADM 1105)	Understand the various message exchange patterns that administration can manage & configure for applications that use persistence.
	Hands-On (Guaranteed Messaging)
Guaranteed Messaging Management (ADM 1110)	Become familiar with the options available to administrators to manage resources and control access to Queues.
Message Promotion and Demotion (INT 1035)	Administer and implement Guaranteed Messaging patterns using Solace Topics & Queues and understand message promotion & demotion.
Overview of Network Interfaces (INT 1040)	Understand the models and features for connecting the Solace Appliances into an underlying network – layer 2 and IP.
Monitoring (ADM 1150)	Describes the remote monitoring and management capabilities of PubSub+ Event Brokers via the SEMP and Syslog protocols. Introduction to basic and advanced cloud monitoring.
	Hands-On (Monitoring SEMP v2)
Operational Management (ADM 1200)	Become familiar with how to manage Solace Appliance backups and upgrades, and how to migrate Solace Message VPN configuration between different environments.
	Hands-On (Operational Management)

Module	Objective
Day 3	
High Availability (ADM 1250 or ADM 1255)	Understand how PubSub+ Appliance & Software can be configured to provide high availability to applications.
Data Center Replication (ADM 1260)	Become familiar with features provided by Solace for disaster recovery and data replication across different data centers or clouds.
VPN Bridging (ADM 1305)	Understand how share data across messaging environments using Solace's VPN Bridges.
	Hands-On (Static Bridging)
Dynamic Message Routing (ADM 1310)	Understand how to connect Solace PubSub+ instances over Hybrid Cloud or for Horizontal Scaling.