

Solace Academy Course Catalog

Mar 2021

Training Delivery Methods

We offer the following delivery methods:

- **Instructor-Led Training (ILT)** – available for certain courses, delivered in a private classroom setting either on-site* in your training facility or virtually.
- **Self-paced** – available through our Solace Academy LMS.

* **NOTE:** due to Covid-19 travel restrictions on-site delivery is currently on hold until further notice.

Learning Subscription

Some self-paced courses are available for free, but certain advance courses and certifications are accessible through our Learning Subscription plans. The catalog below will identify free vs subscription-based courses. All instructor-led training courses are available through an annual subscription only. Contact us for more information on pricing: training@solace.com

Certifications

All certification exams are available are self-serve on Solace Academy. Verifiable Digital Badges are issued for all exams passed on a weekly basis.

Instructor-Led Training Course Catalog

Course	Solution	Duration	Role
PubSub+ Event Broker Administration	PubSub+ Event Broker Appliance and/or Software	3 days	Administrators
PubSub+ Development	PubSub+ Event Brokers PubSub+ APIs	2 days	Developers
PubSub+ Cloud Administration	PubSub+ Cloud PubSub+ Event Broker: Cloud PubSub+ Event Portal PubSub+ Insights	3 days	Cloud Administrators
PubSub+ Development & Administration	PubSub+ APIs PubSub+ Event Broker Appliance and/or Software	4 days	Administrators Developers DevOps
PubSub+ Cloud Development & Administration	PubSub+ APIs PubSub+ Cloud PubSub+ Event Broker: Cloud PubSub+ Event Portal PubSub+ Insights	4 days	Administrators Developers DevOps
PubSub+ Architecture	Event Driven Architectures PubSub+ Platform	3 days	Architects
Event Driven Foundations	Event Driven Architectures PubSub+ Event Portal	1 day	Architect Developers
Solace Partner Training	PubSub+ APIs PubSub+ Cloud	5 days	Partner SI Administrators Developers

* Duration includes time for viewing instructor lectures, demonstrations, and actual time for hands-on activity may vary

PubSub+ Event Broker: Cloud and Software
PubSub+ Event Portal
PubSub+ Insights

Self-Paced Course Free Catalog

Course	Solution	Duration	Role
Solace Essentials	PubSub+ Event Broker: Cloud and Software PubSub+ Event Portal	2 hours	Administrators Developers DevOps
Be Event Driven	N/A	40 mins	All
PubSub+ Event Broker Key Features	PubSub+ Event Broker	40 mins	All
Solace Background & Use Cases	N/A	6 mins	All
Battleship over PubSub+	PubSub+ APIs (JavaScript, Java) PubSub+ Event Broker: Cloud & Software Spring Cloud Stream	2 hours	Developers
Fundamentals of Solace Development	PubSub+ APIs (JavaScript, Java) PubSub+ Event Broker: Software	1.5 hours	Developers
How to Build an Event Mesh with Solace PubSub+	PubSub+ Event Broker: Cloud & Software	10 mins	Administrators Developers
A Walk Through the Journey of Microservices	Event Driven Microservices	1 hour	Architects Developers

Self-Paced Course Subscription Catalog

Course	Solution	Duration	Role
PubSub+ Event Broker Administration	PubSub+ Event Broker: Software & Appliance	24 hours	Administrators DevOps
Coming Soon			
PubSub+ with Kubernetes	PubSub+ Event Broker: Software	2 hours	Administrators DevOps
PubSub+ with Docker	PubSub+ Event Broker: Software	2 hours	Administrators DevOps

Certification Catalog

F – Free self-serve; S – Accessible through a learning subscription

Certification	Solution	Level	Cost	Role
Solace Certified Solutions Consultant	PubSub+ Event Broker: Software & Cloud PubSub+ Event Portal	Foundational	F	Partner SI Consultants Administrators Developers DevOps
Solace Certified Event Broker Administrator	PubSub+ Event Broker: Software & Appliance	Associate	S	Administrators Developers DevOps
Solace Certified Event Driven Practitioner	Event Driven Architectures PubSub+ Event Portal	Foundational	F	Partner SI Consultants Architects Developers
Planned/In Development for 2021				
Solace Certified Architect	Event Driven Architectures PubSub+ Event Broker: Software & Appliance	Associate	S	Partner SIs Architects Developers
Solace Certified Developer	PubSub+ APIs Open APIs and Protocols PubSub+ Event Broker: Software & Appliance	Associate	S	Partner SIs Developers

Solace Essentials

Description

Foundational training to help you get started with the PubSub+ Platform. Hands-on activities with Event Portal and Event Brokers (software and cloud) will equip you to deploy an event mesh.

Topics

- Event Driven and Messaging concepts
- Solace fundamental concepts like, message-vpns, topics, queues, authentication, and authorizations
- Introduction to Event Portal and Designer & Catalog components
- Introduction to Event Brokers: Software & Cloud
- Management basics with PubSub+ Broker Manager and PubSub+ CLI
- Monitoring basics and SEMP overview
- Introduction to Event Mesh

Delivery Method	Duration
Self-Paced e-Learning	2 hours of video lectures + hands-on activity

Prerequisites

- None

Certification/Badges

- Solace Certified Solutions Consultant

PubSub+ Event Broker Administration

Description

This course provides a deep dive into administrating and managing Software and/or Appliance PubSub+ Event Brokers.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- Solace Message-VPN administration and management
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Guaranteed Messaging resource management
- Messaging promotion and demotion
- Monitoring, Syslog, SEMP, events over the message bus
- High Availability for Software & Appliances
- Disaster Recovery & Replication
- Operational management, backups, upgrades, message-vpn migration
- Static bridges vs Dynamic Message Routing
- [Optional] PubSub+ Appliance network interfaces
- [Optional] PubSub+ Cache overview
- [Optional] REST Messaging administration and configuration
- [Optional] JMS Messaging administration and configuration
- [Optional] SolGeneos Agent for ITRS Monitoring

Delivery Method	Duration
Self-Paced e-Learning	20 hours of video lectures + hands-on activity
Private On-Site/Virtual Instructor-Led Training	3-days (8-hour day)

Prerequisites

- Solace Essentials (optional when delivered as instructor-led)

Certification/Badges

- Solace Certified PubSub+ Event Broker Administrator
- PubSub+ Event Broker Administrator ILT Completion – Digital Badge

PubSub+ Development

Description

This course provides the concepts needed to develop applications that leverage PubSub+ Event Brokers. The course is designed to provide a deep dive on any one PubSub+ API (Java/C/.NET), and optionally can covers an overview of open APIs and Protocols like MQTT, AMQP, REST, and JMS.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- Solace Message-VPN administration and management
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Messaging promotion and demotion
- PubSub+ API overview
- Sending & receiving messages
- Advanced Guaranteed Messaging concepts
- API monitoring and troubleshooting
- API best practices
- [Optional] Message & Structured Data Types
- [Optional] REST Messaging
- [Optional] MQTT Messaging
- [Optional] AMQP Messaging
- [Optional] PubSub+ Cache

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	2-days (8-hour day)

Prerequisites

- Solace Essentials (optional when delivered as instructor-led)

Certification/Badges

- This course does not offer a certification currently, but is planned for Spring 2021
- PubSub+ Developer ILT Completion – Digital Badge

PubSub+ Cloud Administration

Description

This course provides a deep dive into administrating and managing PubSub+ Cloud Event Streaming & Management services. The course also covers an overview of other components of PubSub+ Cloud such as Event Portal and Insights monitoring.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- PubSub+ Cloud fundamentals and event streaming service deployment
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Guaranteed Messaging resource management
- Messaging promotion and demotion
- High Availability for event streaming services
- Disaster Recovery & Replication
- Static bridges vs Dynamic Message Routing
- Monitoring, Syslog, SEMP, events over the message bus, PubSub+ Insights overview
- Operational management, backups, upgrades, message-vpn migration
- PubSub+ Event Portal overview
- [Optional] REST Messaging administration and configuration
- [Optional] JMS Messaging administration and configuration

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	3-days (8-hour day)

Prerequisites

- Solace Essentials (optional when delivered as instructor-led)

Certification/Badges

- Solace Certified PubSub+ Event Broker Administrator
- PubSub+ Cloud Administration ILT Completion – Digital Badge

PubSub+ Development & Administration

Description

This course provides a deep dive into administrating and managing Software and/or Appliance PubSub+ Event Brokers, along with developing applications using PubSub+ API. It combines topics from both the PubSub+ Event Broker Administration and the PubSub+ Development courses.

NOTE: Optional topics from both these courses are also applicable here.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- Solace Message-VPN administration and management
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Guaranteed Messaging resource management
- Messaging promotion and demotion
- High Availability for event streaming services
- Disaster Recovery & Replication
- Static bridges vs Dynamic Message Routing
- Monitoring, Syslog, SEMP, events over the message bus
- Operational management, backups, upgrades, message-vpn migration
- PubSub+ API overview
- Sending & receiving messages
- Advanced Guaranteed Messaging concepts
- API monitoring and troubleshooting
- API best practices

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	4-days (8-hour day)

Prerequisites

- Solace Essentials (optional when delivered as instructor-led)

Certification/Badges

- Solace Certified PubSub+ Event Broker Administrator
- PubSub+ Event Broker Development & Administration ILT Completion – Digital Badge

PubSub+ Cloud Development & Administration

Description

This course provides a deep dive into administrating and managing Event Streaming & Management services PubSub+ Cloud, along with developing applications using PubSub+ API. The course covers an overview of other components of PubSub+ Cloud such as Event Portal and Insights monitoring. It combines topics from both the PubSub+ Cloud Administration and the PubSub+ Development courses.

NOTE: Optional topics from both these courses are also applicable here.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- PubSub+ Cloud fundamentals and event streaming service deployment
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Guaranteed Messaging resource management
- Messaging promotion and demotion
- High Availability for event streaming services
- Disaster Recovery & Replication
- Static bridges vs Dynamic Message Routing
- Monitoring, Syslog, SEMP, events over the message bus, PubSub+ Insights overview
- Operational management, backups, upgrades, message-vpn migration
- PubSub+ Event Portal overview
- PubSub+ API Overview
- Sending & receiving messages
- Advanced Guaranteed Messaging concepts
- API monitoring and troubleshooting
- API best practices

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	4-days (8-hour day)

Prerequisites

- Solace Essentials (optional when delivered as instructor-led)

Certification/Badges

- Solace Certified PubSub+ Event Broker Administrator
- PubSub+ Cloud Development & Administration ILT Completion – Digital Badge

PubSub+ Architecture

Description

This course introduces architecting Event Driven solutions for PubSub+ Platform. It covers deep dives into several key areas of the platform such as Event Brokers, Monitoring, and Event Management and Governance.

NOTE: this course covers most of topics from the Event Driven Foundations course. If attendees have already taken that course, then the duration of this architecture training can be condensed to 2-days.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- Event Driven Architecture (EDA) overview
- Event Driven 6+1 Step Methodology
- Event Driven design pattern walk throughs (Retry, Idempotent Processor, Publish-Subscribe, Deferred Execution, Async Request-Reply, Queue-based Load Levelling, Competing Consumer, Eventual Consistency, Sharding, Command & Query Responsibility Segregation)
- Event Driven Microservices overview and patterns (Choreography vs Orchestrations, Saga, RESTful Async Microservices)
- EDA Methodology in practice using real-world use case
- Modeling EDA in Event Portal
- Topics & Taxonomy overview and best practices
- PubSub+ Cloud overview
- PubSub+ Event Brokers overview
- Event Mesh overview and use cases
- Solace Message-VPNs
- Authentication, authorizations, and security
- Direct Messaging & Guaranteed Messaging
- Guaranteed Messaging Patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- High Availability overview
- Disaster Recovery & Replication overview
- Static bridges vs Dynamic Message Routing
- Vertical & Horizontal scaling overview
- Capacity Planning overview
- Performance overview
- Monitoring event brokers & services, Insights, PubSub+ Monitor, SEMP, Syslog
- PubSub+ API Overview
- iPaaS with Solace overview and use cases

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	3-days (8-hour day)

Prerequisites

- None

Certification/Badges

- This course does not offer a certification currently, but is planned for Summer 2021

Event Driven Foundations

Description

This course provides architects and developers with the fundamental knowledge and skills to become event driven.

Topics

- Being Event Driven
- Event Driven Architecture (EDA) overview
- Distributed Computing primer
- Event Driven 6+1 Step Methodology
- Event Driven design pattern walk throughs (Retry, Idempotent Processor, Publish-Subscribe, Deferred Execution, Async Request-Reply, Queue-based Load Levelling, Competing Consumer, Eventual Consistency, Sharding, Command & Query Responsibility Segregation
- Event Driven Microservices overview and patterns (Choreography vs Orchestrations, Saga, RESTful Async Microservices)
- EDA Methodology in practice using real-world use case
- Identifying real-time candidate applications
- Identifying events and microservices
- Modeling microservices in Event Portal
- Topics & Taxonomy overview and best practices
- Event Mesh overview and use cases

Delivery Method	Duration
Self-Paced e-Learning (coming soon)	N/A
Private On-Site/Virtual Instructor-Led Training	1-day (8-hour day)

Prerequisites

- None

Certification/Badges

- Solace Certified Event Driven Practitioner (coming soon – Feb 2021)

Solace Partner Training

Description

This course is designed for Solace Partners who will be managing and administrating Solace infrastructure for other clients and combines topics from several courses. It covers administration, development, and some architecture concepts.

Topics

- Introduction to PubSub+ Platform and messaging concepts
- Solace Partner use cases and customer stories
- Solace Message-VPN administration and management
- Topics structures, hierarchy, and best practices
- Client authentication & authorization management, client username, client profiles, ACL profiles
- Direct Messaging features like Shared Subscription and Eliding
- Guaranteed Messaging overview, queue provisioning and management
- Guaranteed Messaging patterns (LVQ, exclusive & non-exclusive queues, message filtering, queue browsing, message replay, DMQ, message expiration, redeliveries, rejection handling, priority-based congestion handling, [optional] JMS Topic Endpoints)
- Guaranteed Messaging resource management
- Messaging promotion and demotion
- High Availability for event streaming services
- Disaster Recovery & Replication
- Static bridges vs Dynamic Message Routing
- Monitoring, Syslog, SEMP, events over the message bus
- Operational management, backups, upgrades, message-vpn migration
- PubSub+ API overview
- Sending & receiving messages
- API monitoring and troubleshooting
- API best practices
- PubSub+ Connectors
- Hybrid Cloud overview and use cases
- Solace with Boomi
- Solace with SAP

Delivery Method	Duration
Private On-Site/Virtual Instructor-Led Training	5-days (8-hour day)

Prerequisites

- None

Certification/Badges

- This course does not offer a certification but covers knowledge tested in other certifications
- Solace Certified Solutions Consultant
- Solace Certified Event Broker Administrator
- Solace Partner ILT Completion – Digital Badge