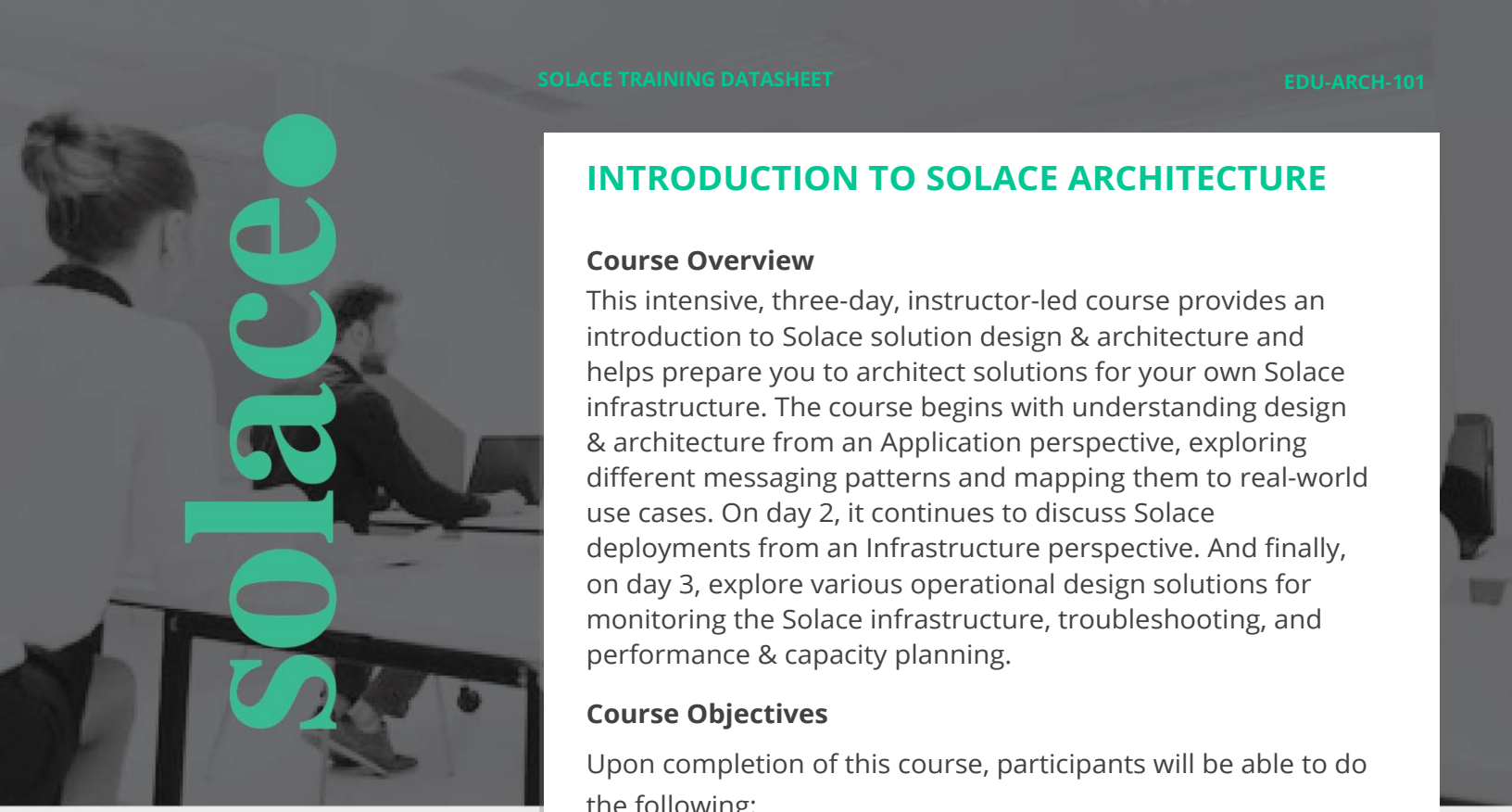

INTRODUCTION TO SOLACE ARCHITECTURE

Course Overview

This intensive, three-day, instructor-led course provides an introduction to Solace solution design & architecture and helps prepare you to architect solutions for your own Solace infrastructure. The course begins with understanding design & architecture from an Application perspective, exploring different messaging patterns and mapping them to real-world use cases. On day 2, it continues to discuss Solace deployments from an Infrastructure perspective. And finally, on day 3, explore various operational design solutions for monitoring the Solace infrastructure, troubleshooting, and performance & capacity planning.

Course Objectives

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

- Understand from an application point-of-view how different messaging patterns map to different design use cases
- Understand from an infrastructure point-of-view the various site & network deployments and features available to secure them
- Understand from an operational point-of-view the monitoring & management features
- Monitor your Solace infrastructure for performance and capacity

Delivery Method: Instructor-led private on-site classroom

Course Duration: Three days of training

Target Audience: This course is designed for architects, system engineers, and developers who are responsible for designing & implementing solution architectures that use Solace Messaging.

Prerequisites:

- Completion of the Introduction to Solace Administration 101 course is required
- Experience using Solace's SolAdmin & command line interface
- Basic understanding of TCP/IP networking concepts

Pricing: Please contact us at services@solace.com

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

COURSE MODULES

Introduction

The Motivation for Solace

- Introduction to Messaging Concepts

Application-View Architecture

Application Fundamentals

- Topics Structures and Hierarchies
- Solace Persistence
- Solace Client Object Model
- Application Entitlements
- Access Control
- Subscription Management

Application Use Cases

- Front Office vs Back Office
- IoT

Application Architecture

- Mapping your Use Case with Messaging Patterns

Infrastructure-View Architecture

Administration

- Solace Virtualization Design
- Role-Based Access Control
- High Availability
- Disaster Recovery and Data Replication

Network Deployments

- Appliance Network Interfaces
- Network Configurations
- Understanding Deployments in ESB vs DMZ
- Understanding Deployments in IoT

Security Considerations

- Authentication and Authorization
- Client Certificate Authentication and TLS
- Integration with Existing AAA Models

Operational-View Architecture

Monitoring

- Overview of Syslog
- Events for Monitoring
- Legacy SEMP and SEMPv2

Troubleshooting

- Network Troubleshooting
- WAN Distribution Troubleshooting

PubSub+ Administration

- Changing SolOS Versions
- Hardware vs Firmware Upgrades

Performance

- Direct Messaging Performance
- Persistent Messaging Performance
- Overview of Statistics

Capacity Planning

- Overview of Capacity Planning

Optional

- Caching with Solace (SolCache)

Revised: 05.01.2018