

## ArcSight ESM Advanced Administrator (ASEAA)

ID ASEAA Price on request Duration 5 days

### Who should attend

ESM

This course is intended for Administrators who:

- Install, maintain, and troubleshoot ESM components
- Design and implement integrations between ArcSight ESM and other ArcSight products
- Proactively investigate the health of the ESM CORRE environment

### Prerequisites

To be successful in this course, you should have the following prerequisites or knowledge:

- Knowledge of ESM Concepts
- (Minimum) 6 Months ArcSight Administration Experience
- Database SQL statements experience
- Linux Administration experience
- Successful Completion of ArcSight ESM Administrator & Analyst Course or Equivalent Experience

### Course Objectives

On completion of this course, participants should be able to:

- Identify the ESM communication strategy used between the various devices and components within an ESM Network
- Define each ESM operation modes and components, Compact and Distributed, and the issues ESM Distributed Mode comes to solve
- Plan, install, and run ESM in Distributed Mode
- Identify functions and navigate the Command Center UI
- Install and customize the ESM console
- Install and configure ArcSight SmartConnectors
- Install and configure a Forwarding Connector
- Import Zone and Asset information with the Network Model wizard
- Customize ArcSight ESM using the properties files
- Describe and install ArcSight upgrades and patches
- Configure and manage storage groups
- Describe CORRE daily job archives
- Recognize how to Back up and restore ESM
- Describe and deploy uses of SSL technology in ArcSight

### Course Content

#### Module 1: Introduction to ESM Components

- Describe each ESM system component

#### Module 2: ESM Distributed Components

- Recognize where ESM fits within the ArcSight Architecture
- Define each ESM operation modes, Compact and Distributed, and the issues ESM Distributed Mode comes to solve
- Describe the ESM Distributed Mode components
- Recognize the ArcSight Data Platform (ADP) and its components

#### Module 3: Installing ESM Distributed Mode

- Plan System Hardware Requirements
- Check Operating System Pre-Installation
- Install ESM Persistor Node
- Install ESM Correlator Aggregator Node
- Configure Integration of the Persistor Node
- Add Correlator Aggregator Services
- Configure Message Bus Data and Control Instances from Persistor
- Configure Repository Instances from Persistor
- Configure Distributed Cache on Correlator Aggregators
- Run Cert Admin Approveall
- Start All Cluster Wide Services from Persistor Node

#### Module 4: Maintaining ESM Properties Files and Upgrades

- Customize ArcSight ESM using Properties File
- Prepare System for an Upgrade
- Upgrade ESM
- Upgrade the ESM Console

#### Module 5: Installing the ESM Console

- Install the ESM Console
- Customize the ESM Console

- Describe Tools available in the ESM Console

#### Module 6: Installing SmartConnectors

- Describe how Connectors collect, normalize, and cache events
- Install and configure ArcSight SmartConnectors
- Identify Connector Command Scripts
- Describe how Connectors can be managed from an ESM Console, a Connector Appliance, or ArcSight Management Center

#### Module 7: Managing the Network Model

- List Network Model resources
- Describe Asset Model resources
- Add the following modelling resources:
  - Assets
  - Asset Ranges
  - Zones
  - Network and attach it to a connector
  - Import Zone and Asset information with the Network Model wizard
  - Explain the use of the Asset Import Connector

#### Module 8: Configuring SmartConnector Destinations

- Get SmartConnector Status
- Set SmartConnector Flow-Control
- Use SmartConnector Administrative Dashboards
- Configure SmartConnectors for Failover and Dual Destinations

#### Module 9: Installing the ESM Super and Syslog Connectors

- Install and configure a Forwarding Connector
- Install and configure a Syslog connector

#### Module 10: SmartConnectors Configurations and Advanced Features

- Configure SmartConnectors using advanced features such as turbo mode, map files, event filtering, network options and event aggregation
- Construct advanced configuration settings for optimal performance and data enrichment

#### Module 11: Command Center

- Log onto the ArcSight Command Center
- Identify functions and navigate the User Interface

- Use the ArcSight Command Center Help Facility
- Configure:

- Authentication
- Content
- Storage
- Appliances
- Identify stock content dashboards

#### Module 12: ESM Backup and Restore

- Restore the ESM Manager's configurations
- Back up and restore ESM
- Describe CORR-E Daily Job Archiving

#### Module 13: Certificate Management

- Describe uses of SSL technology in ArcSight ESM
- Describe SSL setup options
  - keytool/keytoolgui
  - certadmin
  - Identify the steps to deploy:
    - Self-signed Certificates
    - Approve/revoke distributed mode Certificates
    - CA (Certificate Authority)-signed Certificates

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