IBM Sterling B2B Environment Administration and Up gradation Training

**Duration: 15 days**

Overview

This instructor-led course provides students with a detailed examination of Sterling B2B Integrator, which provides end-to-end enterprise integration server for dynamic real-time and near-real time business collaboration and commerce automation.

This course teaches students techniques, tools and recommended practices that can be used to run a business process, explain how to create a service configuration, explain how to track an executable business process, and discuss the basics of Sterling B2B Integrator through a combination of lecture and hands-on labs.

This course also guides you through managing user accounts, designing dashboard themes for the user accounts, You will also learn about the tools to monitor and diagnose problems.

This course introduces the student to the Sterling File Gateway functionality and provides the specific technical skills needed to deploy and support it. The course provides an overview of the features and provides hands-on exercises for creating routing templates, transforming file names, searching for files within a route, and reporting on file transfers.

You will receive significant hands-on experience installing Sterling Control Center then configuring SCC to monitor a full complement of servers, which includes:

* IBM® Sterling Connect:Direct®
* IBM® Sterling Connect:Enterprise® for UNIX
* Gentran Integration Suite
* IBM® Sterling B2B Integrator
* IBM® Sterling File Gateway, and an FTP Server

To monitor the servers, you will create Service Level Criteria, Rules and Actions that trigger Alerts all while touching nearly every menu item on the Sterling Control Center GUI.

Each lesson is based on an actual customer support case that is explored and solved during the class. Scenarios have been developed around the customer issues and steps the student through each detailed procedure as to why that action is necessary. Each customer scenario is configured, executed and validated for complete accuracy.

This course trains students on deployment, usage, and maintenance of the Sterling Secure Proxy application. It also guides on troubleshooting any issues in Sterling Secure Proxy.

**Objectives**

After completing this course, students should be able to:

* Install and configure Sterling B2B Integrator and File Gateway.
* Working with Sterling B2B integrator dashboard.
* Working with Logs and Tools.
* Troubleshooting Business Processes.
* Working with sterling diagnostic tools.
* Working with Health check Utility.
* Working with Cleanup activities.
* Learning best Practises.
* Describe community, groups and users.
* Build static and dynamic routing channel templates.
* Describe the different persona’s and their responsibilities.
* Configure routing channels.
* Transfer file from a producer to a consumer.
* Broadcast messages.
* Explain the enhanced visibility to track a route.
* Explain container and non-container layers.
* Generate reports.
* Discuss the procedure for Sterling File Gateway extensibility.
* Define Sterling Control Center and its functionality
* Describe the Sterling Control Center Application Architecture
* Review, in detail, the Ordered Task Lists and the Information Gathering
* Worksheets necessary to perform the Sterling Control Center Installation
* Configure and Monitor the following Servers in Sterling Control Center:
* IBM® Sterling B2B Integrator
* IBM® Sterling File Gateway
* FTP
* Define sample Business Solutions that Sterling Control Center solves
* Create Service Level Criteria, Rules, and Actions that trigger Alerts
* Execute nearly every menu item on the Sterling Control Center GUI
* Perform the tasks in each of the Sterling Control Center scenarios
* Complete the installation and configuration of Sterling Secure Proxy.
* Perform HTTP Reverse proxy configuration.
* Perform FTP Reverse proxy configuration.
* Perform Connect: Direct Reverse proxy configuration.
* Set up Single Sign-On for Sterling Secure Proxy Server, Sterling External Authentication
* Server and Sterling File Gateway.

**Key Topics**

The following topics will be cover during this course:

**Sterling B2B Integrator**

**Day 1**

Lesson 1. About IBM Sterling B2B Integrator

Exercise 1. About Sterling B2B Integrator

Lesson 2. Architecture and Performance  
Lesson 3. Installation and Configuration  
Lesson 5. Sterling B2B Integrator Dashboard

**Day 2**

Exercise 3. Sterling B2B Integrator Dashboard  
Lesson 6. Troubleshooting a Business Process

Exercise 4. Troubleshooting a Business Process

Lesson 7. Business Process Design Issues  
Exercise 5. Business Process Design Issues

**Day 3**

Lesson 8. Introduction to Service Management

Exercise 6. Introduction to Service Management

Lesson 9. Mailbox Management  
Exercise 7. Mailbox Management

**Day 4**

Lesson 10. Troubleshooter  
Exercise 8. Troubleshooter  
Lesson 11. Monitoring and Diagnostic Tools  
Exercise 9. Monitoring and Diagnostic Tools  
Lesson 12. Maintenance and Cleanup

**Day 5**

Lesson 14. HealthCheck Utility  
Exercise 11. HealthCheck Utility

Lesson 15. Best Practices

Exercise 12. Best Practices

**Sterling File Gateway**

**Day 6**

Lesson 1. Introduction

Lesson 3. Route Channel Templates (RCT)

Lesson 4. Mailbox Management

Lesson 5. Static Route

**Day 7**

Lesson 6. Dynamic Route

Lesson 7. File Layers

Lesson 8. Reports

Lesson 9. Extensibility

**Sterling Control Center**

**Day 8**

* Sterling Control Center Overview
* How it Works
* Features and Benefits
* Installation Recommendations
* **Exercise:** SCC Installation

**Day 9**

* SCC Administration
* Configuring Service Level and Asset Level Managers
* **Exercise:** Service Level and Asset Level Managers
* Access and execute nearly every menu item on the Sterling Control Center GUI, which includes:
  + Add and Remove Server and Server Groups
  + Creating Roles and Users
  + Define the System Settings
  + Pause and Resume Monitored Servers
  + Define Events

**Day 10**

* + Define/update/remove Actions, Calendars, Schedules, and Rules
  + Monitor Active Alerts
  + Handle Alerts
  + Metadata
  + Create and execute Standard SLC, Wildcard SLC, and Workflow SLC
  + Define and run Reports
  + **Exercise:** Administration
* SCC Up gradation
* **Exercise:** Upgrading SCC

**Sterling Secure Proxy**

**Day 11**

UNIT 1. Introduction And Installation

Exercise: Installing SSP

UNIT 2. Reverse Proxy Configuration

Exercise: Configuring Reverse Proxy

UNIT 3. SingleSignOn Configuration

**Day 12**

Exercise: Configuring SSO

UNIT 4. Integration with B2Bi and SEAS

Exercise: Integration with B2Bi and SEAS

**IBM Sterling External Authentication Server**

**Day 13**

**SEAS Installation**

Exercise: Install SEAS on Linux

SEAS configuration

* System Resources Configuration
* **Exercise:** Resource Configuration
* Sterling B2Bi user authentication through SEAS
* **Exercise:** B2Bi and SEAS integration

**Day 14**

* Management of Users and Roles
* **Exercise:** Users and Roles configuration

IBM Sterling Partner Engagement Manager

IBM PEM Overview

PEM installation and configuration

**Exercise:** PEM Installation

Sponsor user management

**Exercise:** Sponsor user management

**Day 15**

Trading Partner Management

**Exercise:** Trading Partner Management

Trading partner user management

**Exercise:** Trading partner user management

IBM PEM and Sterling File Gateway integration

**Exercise:** PEM integration with SFG