

## 6C02G: IBM Sterling Connect Direct for Unix v4.2.0

Course Code: 6C02G

Duration: 3 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### OVERVIEW

This 3-day instructor-led course provides the skills necessary to use and manage IBM Sterling Connect:Direct in the Unix environment. This course is valuable for end-users and application programmers intending to use Sterling Connect:Direct. It is also valuable to systems administrators, operators, production control personnel, help desk staff, and support personnel responsible for Sterling Connect:Direct operations.

This course explains the Unix environment for Sterling Connect:Direct, installation and configuration procedures, process language, and interfaces. The students will also learn the components of different user interfaces of Sterling Connect:Direct and troubleshooting methods.

### SKILLS COVERED

After completing this course, students should be able to:

- Explain the structure of Sterling Connect:Direct for UNIX.
- Describe the user interfaces and components of Sterling Connect:Direct for UNIX.
- Install Sterling Connect:Direct for UNIX.
- Customize Configuration Files.
- Control Processes using the submit, select, change, delete, flush, and stop commands.

- Obtain status information about a Process.
- Write a Process using statements.
- Describe the utilities used to translate data between tables and retrieve Sterling Connect:Direct for UNIX messages.
- Gather troubleshooting information using the trace command.
- Configure the File Agent and rules to watch for files.

### WHO SHOULD ATTEND?

This course is designed for systems administrators, operators, production control personnel, help desk staff, and support personnel responsible for Sterling Connect:Direct operations

### PREREQUISITES

There is no prerequisites required to attend this course.

### MODULES

#### Module 1: Introduction and Installation

Lesson 1. Connect:Direct overview

After completing this lesson, students should be able to:

- Discuss Sterling Connect:Direct.
- Explain the basic structure of Sterling Connect:Direct.
- Explain primary (PNODE) and secondary (SNODE) nodes.
- Understand the use of Sterling Connect:Direct interfaces.
- Identify the components of Sterling Connect:Direct.

- Identify the communication interfaces compatible with Sterling Connect:Direct.

#### Lesson 2. Installation pre-requisite

After completing this lesson, students should be able to:

- Use Sterling Connect:Direct release notes.
- Lookup the libraries needed to install Sterling Connect:Direct.
- List the features and enhancements in Sterling Connect:Direct 4.2.
- Exercise to use a worksheet for the lab.

#### Lesson 3. Installation

After completing this lesson, students should be able to:

- List the steps to install Sterling Connect:Direct.
- Describe how to configure Sterling Connect:Direct server and client.
- Explain the steps to verify the installation.
- Detail the procedure to start and stop Sterling Connect:Direct.
- List the job control commands through command line interface.
- Exercise to install, verify, and execute sample process.

### Module 2: Configuration Files

#### Lesson 1. Introduction to configuration file

After completing this lesson, students should be able to:

- Explain the directory structure of Sterling Connect:Direct.
- Discuss the purpose of the files.

- Identify the types of configuration files.
- Understand the procedure to customize configuration files.
- Procedural exercise to tune configuration file.

#### Lesson 2. Initialization file

After completing this lesson, students should be able to:

- Locate the Initialization Parameters File.
- Identify the sections of the Initialization Parameters File.
- Explain the initparm Record Names, Parameters, and Parameter Values.
- Customize the Initialization Parameters

#### Lesson 3. Client configuration file

After completing this lesson, students should be able to:

- Locate the client configuration file.
- Identify the sections of the client configuration file.
- Customize the client configuration file.

#### Lesson 4. Client and server authentication key file

After completing this lesson, students should be able to:

- Locate and understand the usage of client and server authentication file.
- Identify the sections of the client and server authentication files.
- Explain the client and server authentication file record names, parameter name and value.
- Customize the client and server authentication file.
- Exercise to test the customization of client and server authentication file.

### Lesson 5. Network map file

After completing this lesson, students should be able to:

- Locate and understand the network map file.
- Identify the sections of the network map file.
- Explain the network map file record names, parameter name and value.
- Customize the network map file.
- Exercise to test the customization of network map file.

### Lesson 6. Maintaining access information file

After completing this lesson, students should be able to:

- Locate and understand the user authorization file.
- Identify the sections of the user authorization file.
- Explain the user authorization file record names, parameter name and value.
- Customize the user authorization file.
- Exercise to test the customization of user authorization file.

## Module 3: Processes

### Lesson 1. Statements

After completing this lesson, students should be able to:

- Define a Process and Process Language.
- Describe the purpose of each Process statement.
- Configure Sterling Connect:Direct to transfer files automatically.

### Lesson 2. Submitting processes

After completing this lesson, students should be able to:

- Explain how the submit command determines where the Process goes in the queue.
- Use the submit command to submit a Process to the queue for execution.
- Use the parameters associated with the submit command to define how and when the Process gets submitted.

### Lesson 3. Changing processes

After completing this lesson, students should be able to:

- Use the change process command to change a Process or multiple Processes in the queue.
- Use the parameters associated with the change process command to define what you want to change about the Processes.

### Lesson 4. Selecting a process

After completing this lesson, students should be able to:

- Use the select process command to display information about a Process or multiple Processes in the queue.
- Use the parameters associated with the select process command to define how and what information you want to select about the Processes.

### Lesson 5. Selecting statistics

After completing this lesson, students should be able to:

- Use the select statistics command to get statistics about Processes.
- Use the parameters associated with the select statistics command to define what you want statistics for and the level of detail you want.

#### Module 4: Utilities

##### Lesson 1. Termination utilities

After completing this lesson, students should be able to:

- Use the delete process command to remove a non-executing process from the queue.
- Use the flush process command to remove an executing process from the queue.
- Use the stop command to stop Sterling Connect:Direct
- Usage of quit command.
- Describe the optional parameters for the stop command.

##### Lesson 2. Troubleshooting utilities

After completing this lesson, students should be able to:

- Identify the purpose of the ndmxt (Translation Table) utility.
- Use the ndmmsg (Message) utility to retrieve Sterling Connect:Direct messages.
- Identify the methods to restart a Process.

##### Lesson 3. Advanced utilities

After completing this lesson, students should be able to:

- Use the **trace** command to gather troubleshooting information from Sterling Connect:Direct.
- Use the parameters associated with the **trace** command to define what information you want and in what format
- Recognize Process Queues and Status.
- Understand the Life Cycle Process.

##### Lesson 4. File Agent utility

After completing this lesson, students should be able to:

- Describe the Sterling Connect:Direct File Agent and its interface.
- Install the Sterling Connect:Direct File Agent.
- Configure the Sterling Connect:Direct File Agent.
- Describe the rules used with the Sterling Connect:Direct File Agent.
- Configure a Rule.
- Monitor file transfers through Sterling Connect:Direct File Agent.

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