



Multi Mediation (MM) 18.2

Training Programs

Catalog of Course Descriptions



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Introduction

Ericsson has developed a comprehensive Training Programs service to satisfy the competence needs of our customers, from exploring new business opportunities to expertise required for operating a network. The Training Programs service is delineated into packages that have been developed to offer clearly defined, yet flexible training to target system and technology areas. Each package is divided into flows, to target specific functional areas within your organization for optimal benefits.

Service delivery is supported using various delivery methods including:

Delivery Method

Instructor Led Training (ILT)

Web-based Learning (WBL)





Multi Mediation 18.2 Surveillance

LZU1082845 R1A

Description:

Effectively utilizing Multi Mediation (MM) allows operators to introduce new services and revenue streams without delay. New and exciting business opportunities can be integrated into existing network infrastructure, using the Mediation node as a single point for charging data.

This course introduces the fundamentals of Multi Mediation 18.2, its position in the Network, the Basic and Licensed features, the Toolbox, the Applications, the GUI, and the Basic Configurations.

Learning situation:

This is an Instructor-Led Training.

This course is based on theoretical and practical instructor-led lessons given in a technical environment using equipment and tools.

Learning objectives:

On completion of this course the participants will be able to:

- 1 Describe the Multi Mediation (MM) Concept
 - 1.1 Explain the MM18.2 overview
 - 1.2 Discuss the MM18.2 Architecture and deployment.
 - 1.3 Assess the record flow in file mediation
 - 1.4 Assess the Online Flow
 - 1.5 Analyze the MM18.2 Functional View
 - 1.6 Discuss the MNP overview for scalable architecture.
 - 1.7 Show License Handling in MM.
- 2 Apprehend the system environment
 - 2.1 Dashboard and BLDM Tool Overview.
 - 2.2 Browse the directory structure
 - 2.3 Prepare the mediation environment
 - 2.4 Start/stop the application
 - 2.5 Manage, acknowledge and cease alarms
 - 2.6 Manage users
 - 2.7 Manage configurations in general
 - 2.8 Use the built-in scripts from the CLI
 - 2.9 Describe the KYC tool in detail
- 3 Describe and Configure the MM18.2 Toolbox Features

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- 3.1 Identify and Manage the Collection Interfaces of MM18.2
- 3.2 Identify and Demonstrate the usage of the Processing Capabilities of MM18.2
- 3.3 Access and Configure the Distribution Interfaces of MM18.2
- 4 Identify and Understand MM18 Applications
 - 4.1 Explain in detail MM Application like Mond, FGF.
 - 4.2 Describe the Data Collector Function
 - 4.3 Understanding the Tariff Transfer Function
 - 4.4 Discuss Diameter Service Agent
 - 4.5 Discuss NRTRDE and its role
 - 4.6 Explain Mediation of Network Data
- 5 Determine and Manage MM18.2 Operation & Maintenance Capabilities
 - 5.1 Explain Configuration Management and perform related tasks
 - 5.2 Explain in detail Dashboard in MM18.2
 - 5.3 Explore the features of Fault Management
 - 5.4 Discuss the Capabilities of Accounting Management
 - 5.5 Review the functionality of Performance Management
 - 5.6 Identify main features of Security Management
- 6 Discuss the concept of Virtualization and Cloud Deployment in MM18.2

Target audience:

This course is suitable for anyone who is required be able to configure/operate/maintain Multi Mediation and needs an overall surveillance of its capabilities.

Prerequisites:

Successful completion of the following courses:

The participants should be familiar with previous Multi Mediation releases.

Duration and class size:

The length of the course is 2 days and the maximum number of participants per session is 8.



Multi Mediation 18.2 File Processing and Configuration

LZU1082843 R1A

Description:

Multi Mediation 18.2, as a versatile multi-mediation solution, has been introduced to you, and you have practiced some of the file procedures and configurations using the provided code. What about writing your own code, especially what about using the ASN.1 annotation to write your own DUP code for formatters and value routers. This course reviews the building of configurations, and it focuses on the ASN.1 syntax so that you can write data structures. It also covers the effective implementation of flows, and it increases your knowledge of the different tools and activities within Multi Mediation 18.2 File.

Learning situation:

This is an Instructor-Led Training.

This course is based on theoretical and practical instructor-led lessons given in a technical environment using equipment and tools.

Learning objectives:

On completion of this course the participants will be able to:

- 1 Build and create configurations
 - 1.1 Prepare the Mediation Server
 - 1.2 Set up a configuration with predefined activities
 - 1.3 Discuss the WEB UX and Dashboard in New Home Page GUI.
 - 1.4 Explore logs
 - 1.5 Explore the KYC script and System Info script
- 2 Explain coders and data structures
 - 2.1 Discuss coding rules
 - 2.2 Explain data structures and ASN1 in detail
 - 2.3 Create data structures for incoming and outgoing data
 - 2.4 Manage ASN.1 structure for incoming and outgoing data
 - 2.5 Identify the differences between the different data types
 - 2.6 Identify the different coding schemes such as BER and ISO
- 3 Manage configurations activities and coding
 - 3.1 Explain headers and trailer
 - 3.2 Configure formatters and value routers
 - 3.3 Write the DUP code for different activities
 - 3.4 Discuss the new changes in DUP Functions



- 4 Perform further processing activities
 - 4.1 Configure Memory and Database Lookup tables
 - 4.2 Discuss GUI based Lookup
 - 4.3 Consolidate data records
 - 4.4 Configure scalable activities in MM
 - 4.5 Detect duplicate files or data records
 - 4.6 Integrated CDR viewer
 - 4.7 JMS in File Mediation
 - 4.8 Explain Reporting in MM
- 5 Maintain the system
 - 5.1 Check the daily maintenance checklist with changed directory structure in MM
 - 5.2 Review the tuning guidelines
 - 5.3 Optimize flows with process groups
 - 5.4 Discuss the Processing Architecture using MNP
 - 5.5 Explain DUP Debugger in MM
 - 5.6 Overview of Scalability
 - 5.7 Present the Alarm Enhancements and Threshold based alarms
 - 5.8 Describe Web Based Performance Counters
 - 5.9 Explore BLDM capabilities on Web UI

Target audience:

This course is suitable for anyone who is required be able to configure/operate/maintain Multi Mediation.

Prerequisites:

Successful completion of the following courses:

Multi Mediation 18.2 Surveillance, LZU1082845 or have knowledge corresponding to this course. The participants should be familiar with UNIX and the Multi Mediation GUI. Knowledge in database administration is recommended but not required.

Duration and class size:

The length of the course is 5 days and the maximum number of participants per session is 8.



Multi Mediation 18 Online Processing and Configuration

LZU1082634 R1A

Description:

Effectively utilizing Multi Mediation Online allows operators to introduce new services and revenue streams without delay. New and exciting business opportunities can be integrated into existing network infrastructure, using the Mediation node as a single point for charging data. This course provides the participants with the skills necessary to create configurations and supervise processing operations with confidence. Knowledge and skills gained in this course will allow effective utilization of Multi Mediation 18 Online and introduction of new services and revenue streams without delay.

Learning objectives:

On completion of this course the participants will be able to:

- 1 Configure Front End and Back End activities
 - 1.1 Know the various Online Mediation interfaces available
 - 1.2 Learn about Diameter and PIPS protocols in particular
 - 1.3 Enhancement in Intercom F-E in Online Module
- 2 Configure different Processing activities
 - 2.1 Do general configuration of the various processing activities
 - 2.2 Test activities
- 3 Create Value Routers
 - 3.1 Code Value Routers in Java
- 4 Create Formatters
 - 4.1 Understand how XML Formatters work
 - 4.2 Code Formatters in Java
- 5 Store and retrieve Event and Entity data
 - 5.1 Implement Containers and Parameter Handlers
 - 5.2 Implement session based Diameter B-E
 - 5.3 Implementation of JMS and REST processing activities
- 6 Increase the performance of Multi Mediation Online
 - 6.1 Implement Optimization, Maintenance, and Congestion Flow rules

**Target audience:**

This course is suitable for anyone who is required be able to configure/operate/maintain Multi Mediation 18.

Prerequisites:

Successful completion of the following courses:

Multi Mediation 18.2 Surveillance, LZU1082845

Duration and class size:

The length of the course is 2 days and the maximum number of participants is 8.

Learning situation:

This course is based on theoretical and practical instructor-led lessons given in a technical environment using equipment and tools.