



Ericsson Multi Activation (EMA) 16 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)



Ericsson Multi Activation (EMA) 16 Operation and Provisioning

LZU1082290 R1A

Description:

Ericsson Multi Activation 16.0 release offers the next generation provisioning solution for subscriber activation and service configuration. In addition to off-the-shelf support for Ericsson network elements and solutions and multi vendor/multi domain provisioning capability, It comes with the revolutionary model driven configuration technology which is the conern stone to replace programing with configuration.

Do you want to understand the full potential of the Multi Activation product, how to design and implement activation and configuration solution for new products/offerrings, how to operate and maintain the system, how to trouble shoot system and provisioning related issues? If so, then this is the course for you.

With the help of this course the participant will be able to design provisioning solution for new products and offerings, perform system administrative tasks as well as trouble shooting.

Learning objectives:

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

- 1 Introduce EMA product
 - 1.1 Outline the role of Multi Activation in the Lead-to-Service process and related main features
 - 1.2 Discuss the provisioning principles and their respective features
 - 1.3 Describe model driven configuration concept and introduce EMA SCM
 - 1.4 Highlight the evolving support for SDN/NFV networks and IP/VPN services
 - 1.5 Describe the adaptability of the product and the integration process principles for introduction of a new product/offer
 - 1.6 Describe the deployment alternatives and characteristics
- 2 Discuss Multi Activation Configuration
 - 2.1 Explain the purpose of activation logic and configure its properties
 - 2.2 Define network elements, NE groups and routing methods
 - 2.3 Create different user types, with user restriction/authorities
- 3 Examine system administration, alarm handling and license management
 - 3.1 Demonstrate system administration tasks
 - 3.2 Describe the alarm handling architecture (ESA), alarm types and alarm message structure
 - 3.3 Examine the License Management and view licenses in the GUI
 - 3.4 Manage virtual machines
- 4 Discuss end to end process for Subscriber Activation



- 4.1 Describe the CAI3G interface
- 4.2 Configure Service Model using Designer Studio
- 4.3 Perform end-to-end test
- 4.4 Troubleshoot provisioning request
- 5 Discuss Service Configuration
 - 5.1 Describe the Service Configuration concept and solution overview
 - 5.2 Describe the end to end process for Service Configuration
 - 5.3 Manage feature model
 - 5.4 Manage vendor template
 - 5.5 Manage devices
 - 5.6 Configure Service Model using Designer Studio
 - 5.7 Perform end-to-end test
 - 5.8 Troubleshoot service configuration request

Target audience:

This course is suitable for anyone who is required to be able to operate and provision EMA.

Prerequisites:

Successful completion of the following courses:

Participants should have the following knowledge:

General IS/IT knowledge

Basic UNIX knowledge

Duration and class size:

The length of the course is 3 days hours and the maximum number of participants is 16.

Learning situation:

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



Ericsson Multi Activation (EMA) 16 Operation and Service Configuration

LZU1082289 R1A

Description:

Ericsson Multi Activation 16.0 release offers the next generation provisioning solution for subscriber activation and service configuration. It comes with the revolutionary model driven configuration technology which is the corner stone to replace programming with configuration. Do you want to understand the full potential of the Multi Activation product, how to design and implement service configuration solution for wireline and enterprise services on network devices, how to operate and maintain the system, how to trouble shoot system and service configuration related issues? If so, then this is the course for you.

With the help of this course the participant will be able to design a service configuration solution for new products and offerings in SDN/NFV networks and IP/VPN services, perform system administrative tasks as well as trouble shooting.

Learning objectives:

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

- 1 Introduce EMA product
 - 1.1 Outline the role of Multi Activation in the Lead-to-Service process and related main features
 - 1.2 Describe the Service Configuration concept and solution overview
 - 1.3 Describe the virtualized deployment scenarios and characteristics
- 2 Examine system administration, alarm handling and license management
 - 2.1 Demonstrate system administration tasks
 - 2.2 Describe the alarm handling architecture (Ericsson SNMP Agent, ESA), alarm types and alarm message structure
 - 2.3 Examine the License Management and view licenses in the GUI
 - 2.4 Manage virtual machines
 - 2.5 Create users
- 3 Discuss the end to end process for Service Configuration
 - 3.1 Manage feature model
 - 3.2 Manage vendor template
 - 3.3 Manage devices
 - 3.4 Configure Service Model using Designer Studio
 - 3.5 Perform end-to-end test
 - 3.6 Trouble shoot service configuration request



Target audience:

This course is suitable for anyone who is required be able to configure and operate EMA.

Prerequisites:

Successful completion of the following courses:

Participants should have the following knowledge:

General IS/IT knowledge

Basic UNIX knowledge

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.



Ericsson Multi Activation (EMA) Customer Adaptation

LZU1082307 R1A

Description:

Ericsson Multi Activation (EMA) is a multi-vendor, multi technology and multi domain provisioning platform. It can be adapted to provide customer specific provisioning solution.

Are you going to design and implement customized solution? Do you want to develop the most effective, flexible and future proof provisioning solution for your customer? This is the course for you.

With the help of this course the participant will be able to implement adaptation for multi-vendor network elements and solutions, to implement northbound interface adaptors that handles any protocol the northbound system prefers, to composite services that reflects the northbound system's need as well as to implement network element group that hides network topology from the northbound system.

Learning objectives:

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

- 1 Introduce EMA product
 - 1.1 Outline the role of Multi Activation in the Lead-to-Service process and related main features
 - 1.2 Discuss the provisioning principles and their respective features
 - 1.3 Describe the provisioning logic architecture and its functional view
 - 1.4 Describe the adaptability of the product
- 2 Setup the development environment
- 3 Discuss development of network abstraction and network implementation
 - 3.1 Develop JDV logic for network abstraction and network implementation
 - 3.2 Deploy the JDVs
 - 3.3 Test the JDV
- 4 Discuss development of southbound connector
 - 4.1 Develop JCA southbound connector
 - 4.2 Deploy and test the JCA southbound connector
- 5 Discuss service realization
 - 5.1 Configure Service Model with Designer Studio
- 6 Discuss development of northbound adaptor
 - 6.1 Develop northbound adaptor
 - 6.2 Deploy and test the northbound adaptor



6.3 Discuss development of Network Element Group

Target audience:

Customization developer

Prerequisites:

Successful completion of the following courses:

General IS/IT knowledge

Basic UNIX knowledge

Java programming

CAI3G and/or SOAP

Linux (Basic knowledge)

Eclipse (Basic knowledge)

Duration and class size:

The length of the course is 4 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.