Ericsson Dynamic Activation (EDA) 1

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)

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Ericsson Dynamic Activation (EDA) 1 Operation and Provisioning

LZU1082551 R1A

Description:

Ericsson Dynamic Activation offers the next generation provisioning solution for Resource Activation and Resource 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 revolutional model driven configuration technology which is the corner stone to replace programing with configuration.

Do you want to understand the full potential of the Dynamic Activation product, how to design and implement activation and configuration solution for new products/offerings, how to operate and maintain the system, how to trouble shoot the system and provision related issues? If so, 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 EDA product
1.1 Discuss how Ericsson Dynamic Activation help the Operators transformation and faced challenges
1.2 Discuss the provisioning principles and their respective features
1.3 Describe model driven configuration concept and introduce the EDA 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 Ericsson Dynamic Activation configuration
2.1 Explain the purpose of activation logic and configure its properties
2.2 Define network elements, NE groups, NE cluster and routing methods
2.3 Define Loose Error Handling
2.4 Configuring Resilient Activation
2.5 Create different User types, with user restrictions/authorities

3 Describe the EDA Deployment and System Architecture
3.1 Examine EDA 1 system administration, alarm handling and license management

3.2 Demonstrate system administration tasks
3.3 Describe the alarm handling architecture (ESA) and configuration
3.4 Examine the License Management and view licenses in the GUI
3.5 Virtualized development

4 Discuss end to end process for Resource Activation
4.1 Describe the CAI3G interface
4.2 Configure Service Model using Designer Studio
4.3 Perform end-to-end test
4.4 Trouble shoot provisioning request

5 Describe the Resource Configuration concept and solution overview
5.1 Describe the end to end process for Resource Configuration
5.2 Model Driven Asynchronous Activation Engine
5.3 Manage feature model
5.4 Manage vendor template
5.5 Manage devices
5.6 Service Visualization
5.7 Configure Service Model using Designer Studio
5.8 Perform end-to-end test
5.9 Trouble shoot Resource Configuration request

Target audience:

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

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 and the maximum number of participants is 8.

Learning situation:

This course is based on theoretical and practical instructor-led lessons given in both classroom and in a technical environment using equipment and tools, which are accessed remotely.

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Ericsson Dynamic Activation (EDA) 1 Operation and Resource Configuration

LZU1082552 R1A

Description:

Ericsson Dynamic Activation 1.0 release offers the next generation provisioning solution for Resource activation and resource configuration. It comes with the revolutional model driven configuration technology which is the corner stone to replace programing with configuration.

Do you want to understand the full potential of the Ericsson Dynamic 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 EDA product
1.1 Outline the challenges operator face and how Ericsson Dynamic Activation can help
1.2 Describe the Resource Configuration concept and solution overview
1.3 Describe the adaptability of the product and the integration process principles for introduction of a new product/offer

2 Describe the EDA Resource configuration Deployment and System Architecture
2.1 Examine EDA 1 system administration, alarm handling and license management
2.2 Demonstrate system administration tasks
2.3 the alarm handling architecture (ESA) and configuration
2.4 Examine the License Management and view licenses in the GUI
2.5 Virtual Machine management
2.6 User Management

3 Describe the Resource Configuration concept and solution overview
3.1 Describe the end to end process for Resource Configuration
3.2 Model Driven Asynchronous Activation Engine
3.3 Manage feature model
3.4 Manage vendor template
3.5 Manage devices

3.6 Service Visualization
3.7 Configure Service Model using Designer Studio
3.8 Perform end-to-end test
3.9 Trouble shoot Resource Configuration request

Target audience:

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

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 both classroom and in a technical environment using equipment and tools, which are accessed remotely.

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Ericsson Dynamic Activation (EDA) Customer Adaptation

LZU1082307 R3A

Description:

Ericsson Dynamic Activation (EDA) 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 Present the course and introduce EDA Custom Adaptation
1.1 Outline the Lead-to-Service process and related main features
1.2 Describe the provisioning logic architecture and its functional view
1.3 Walkthrough tools and service features needed when adapting EDA

2 Prepare to design and interact with new customized service logic
2.1 Install Designer Studio and SoapUI
2.2 Visualize the customized EDA service logic
2.3 Practice to design the first task in the course project

3 Convert the student computer into a Developer Environment
3.1 Install EDA Development Environment
3.2 Develop JDV logic for network abstraction
3.3 Practice to build and compile Java Data View

4 Deploy and verify the course project deliverables
4.1 Install Java modules in EDA Execution Environment Lab
4.2 Verify both new Service Logic and customized EDA behavior
4.3 Practice the second and third tasks in the course project

5 Maintain and enhance adapted EDA Service Logic
5.1 Discuss real service and EDA customization scenarios
5.2 Identify EDA Custom Adaptation competence gaps

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5.3 Practice the fourth task in the course project

Target audience:

This course is suitable for anyone who needs to design, develop and maintain custom adaptations in EDA.

Prerequisites:

Successful completion of the following courses:

Participants must have the following knowledge:
- EDA Operation and Provisioning
- Local administrator in Windows
- Linux and Java *(Basic)*
- Web Server *(Basic)*
- Eclipse *(Basic)*

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 a practical course project, where the instructor leads the students through each phase of the EDA Custom Adaptation with theory and practice in an EDA lab.

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