

COURSE OVERVIEW

This introductory two-day workshop provides students with an overview of Juniper Cloud-Native Router (JCNR). The workshop includes an overview of the Cloud-Native Router, the deployment platforms it supports, a demonstration of JCNR deployment as a cell-site router with IPsec security services, and a demonstration of JCNR deployment as a VPC gateway.

Through demonstrations, students will learn how to deploy and configure the Juniper Cloud-Native Router. This course is based on Juniper Cloud-Native Router 24.2R1.

COURSE LEVEL

Introductory

AUDIENCE

Individuals responsible for deploying and configuring Juniper Cloud-Native Router

PREREQUISITES

- Kubernetes experience
- Linux experience

RELEVANT JUNIPER PRODUCTS

- Juniper Cloud-Native Router

CONTACT EDUCATION SERVICES

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OBJECTIVES

- Explain Juniper Cloud-Native Router and its use cases.
- Describe the deployment modes of JCNR.
- Describe the various customizations available for JCNR configuration.
- Demonstrate the installation of JCNR.
- Describe how JCNR is deployed and configured as a cell-site router with IPsec services.
- Describe how JCNR is deployed and configured as a VPC gateway.

COURSE CONTENTS

DAY 1

- 1 Juniper Cloud-Native Router Overview**
 - Describe the Juniper-Cloud Native Router
 - Describe the use cases of JCNR
 - Explain the architecture of JCNR
 - Explain the components of JCNR
- 2 JCNR Deployment Modes and Interface Types**
 - Define available deployment modes with their associated features
 - Describe the available interface types and their association with deployment modes
 - Describe the different support platforms for JCNR
- 3 JCNR Customization**
 - Describe helm chart customization
 - Describe customizing router configuration
- 4 JCNR Installation**
 - Demonstrate helm chart customization
 - Demonstrate the installation of JCNR
 - Discuss additional supported platforms for JCNR deployment

DAY 2

- 5 JCNR as a Cell-Site Router**
 - Discuss JCNR deployment as a cell-site router and its features
 - Demonstrate JCNR deployment as a cell-site router
- 6 JCNR as a Cell-Site Router with IPsec Security Services**
 - Discuss JCNR deployment as a cell-site router with IPsec security service chain enabled via cSRX
 - Demonstrate JCNR deployment as a cell-site router with security chaining
- 7 JCNR as a VPC Gateway**
 - Discuss JCNR deployment as a VPC gateway and its features
 - Demonstrate JCNR deployment as a VPC gateway

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