Updated on 12/17/2024

Sign up

JNCIA-Junos certification training
2 days (14 hours)

Presentation

Our Juniper JNCIA-Junos certification training course will teach you everything you need to know to prepare effectively for certification. Our training will teach you the complete use of the Junos OS operating system and give you the title of Junos Associate. Our Juniper certification training
JNCIA-Junos will cover all Junos OS functionalities, giving you complete mastery of the tool. This will enable you to be fully operational, as well as giving you all the keys you need for certification. At the end of this course, you'll know how to configure your Junos OS efficiently, and be familiar with the tasks and functions involved in monitoring, routing and firewalls. Once you've attended our training course, you'll be able to take the exam, with certification included in the price. Note: Ambient IT is not the owner of the JNCIA-Junos certification, which belongs to Juniper Networks Inc.

Objectives

- How to install, configure and use Junos OS
- Be ready for JNCIA-Junos certification

Target audience

- Network engineers
- Network administrators
- System administrators

Prerequisites

- Basic knowledge of Junos OS

Juniper Certification training program

JNCIA-Junos

Introduction to networking

- Ethernet networks
- IPv4/IPv6
- Collision and diffusion domains
- Router and switch functions
- Creating subnetworks and supernetworks

JunoS OS fundamentals

- Software architecture
- Transfer and control plans
- Routing engine
- Packet transmission engine
- Processing transmission traffic

User interfaces

- CLI features
- Navigation and CLI modes
- Configuration and configuration files
- Filtering
- J-Web

Configuration

- Initial configuration
- User accounts
- Connection classes
- Configuration groups
- Configuration archive

Routing

- Traffic transfer
- Routing tables
- Preferences
- Routing instances

- Static and dynamic routing

Firewall filters and routing strategies

- Default routing strategies
- import and export
- Flow
- Structure and conditions
- RPF (Reverse-Path-Forwarding) unicast

Operations monitoring

- Display controls
- Monitoring controls
- Statistics and interface errors
- Network tools
- Root password recovery

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.