

Automation and DevOps, Associate (JNCIA-DevOps)

Earn an associate-level certification that demonstrates your understanding of DevOps and automation concepts as they pertain to Juniper devices and solutions.

One of two certifications in the Automation and DevOps track, the JNCIA-DevOps, associate, is designed for networking professionals with introductory-level knowledge of automation tools and best practices. This track enables you to demonstrate competency in common scripting languages and tools for automating device and network functions.

Exam Preparation

We recommend the following resources to help you prepare for your exam. However, these resources aren't required, and using them doesn't guarantee you'll pass the exam.

Recommended Training

- [Introduction to Junos Platform Automation and DevOps](#)

Exam Resources

- Industry/product knowledge
- [Juniper TechLibrary](#)

Additional Preparation

- [Juniper Learning Portal](#)

Exam Objectives

Here's a high-level view of the skillset required to successfully complete the JNCIA-DevOps certification exam.

Junos Automation Stack and DevOps Concepts

Identify concepts and general features of Junos Platform automation or DevOps:

- Automation tools
- Automation frameworks
- Automation APIs
- DevOps culture, practices, and tools

NETCONF/XML API

Identify concepts and general functionality of XML, the XML API, XPath, or Network Configuration Protocol (NETCONF):

- XML concepts and syntax
- XPath concepts and syntax
- NETCONF concepts
- XML API concepts and syntax

Data Serialization

Identify the concepts, benefits, or operation of data serialization:

- YAML
- JavaScript Object Notation (JSON)

Python/PyEZ

Identify Python or PyEZ tools for automating Junos OS devices and networks:

- Syntax and concepts
- Junos Snapshot Administrator (JSNAPy)
- Jinja2
- Remote Procedure Calls (RPCs)
- PyEZ exception handling
- Device status and configuration handling

REST API

Identify the concepts, benefits, or operation of the Junos REST API:

- Junos REST API
- Junos REST API Explorer
- Client URL (cURL) access for the REST API

Exam Details

Exam questions are derived from the recommended training and the exam resources listed above. Pass/fail status is available immediately after taking the exam. The exam is only provided in English.

Exam Code

JN0-224

Prerequisite Certification

None

Delivered by

[Pearson VUE](#)

Exam Length

90 minutes

Exam Type

65 multiple-choice questions

Software Versions

- Junos 24.2
- Python 3.8.10
- PyEZ 2.6.3

Recertification

Juniper certifications are valid for three years. For more information, see [Recertification](#).

About Juniper Networks

Juniper Networks believes that connectivity is not the same as experiencing a great connection. Juniper's AI-Native Networking Platform is built from the ground up to leverage AI to deliver exceptional, highly secure, and sustainable user experiences from the edge to the data center and cloud. Additional information can be found at juniper.net or connect with Juniper on [X](#) (formerly Twitter), [LinkedIn](#), and [Facebook](#).

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