# Juniper Platform Automation and NetDevOps (JAUT)

**ID** JAUT **Price** US $ 5,000.—(excl. VAT) **Duration** 5 days

## Who should attend

Individuals responsible for configuring and monitoring devices running the Junos OS.

## Prerequisites

- Intermediate-level networking knowledge
- Understanding of the OSI model and the TCP/IP protocol suite
- Completion of the Introduction to Juniper Platform Automation and NetDevOps (IJAUT) course or equivalent experience

## Course Objectives

- Describe Junos automation architecture and tools.
- Describe how to use Docker for NetDevOps.
- Describe Junos Evolved automation.
- Describe Jinja2 templates for Junos automation.
- Perform network testing with JSNAPy.
- Describe Ansible automation.
- Use Ansible to configure Junos devices.
- Configure Ansible with Jinja2 templates and JSNAPy.
- Describe how to develop Junos op scripts using Python.
- Describe how to develop Junos commit scripts using Python.
- Describe Junos event policies.
- Describe how to develop Junos event scripts using Python.
- Describe the basics of the SLAX language.
- Describe extension functions in Junos OS automation scripts.
- Describe Junos op scripts using SLAX.
- Describe Junos commit scripts and event scripts using SLAX.
- Describe the syntax and semantics of the YANG language.
- Use OpenConfig with Junos OS.
- Create custom Junos YANG modules.
- Describe how Terraform can be used to automate Junos.
- Describe the syntax and semantics of protocol buffers and gRPC.
- Describe the syntax and semantics of the gNMI service.
- Configure Junos gNMI (dial-in) telemetry using TIG stack.
- Perform basic Junos OS Evolved automation tasks.
- Develop Junos SNMP scripts.
- Describe JET functionality and how to use JET APIs to automate Junos.

## Course Content

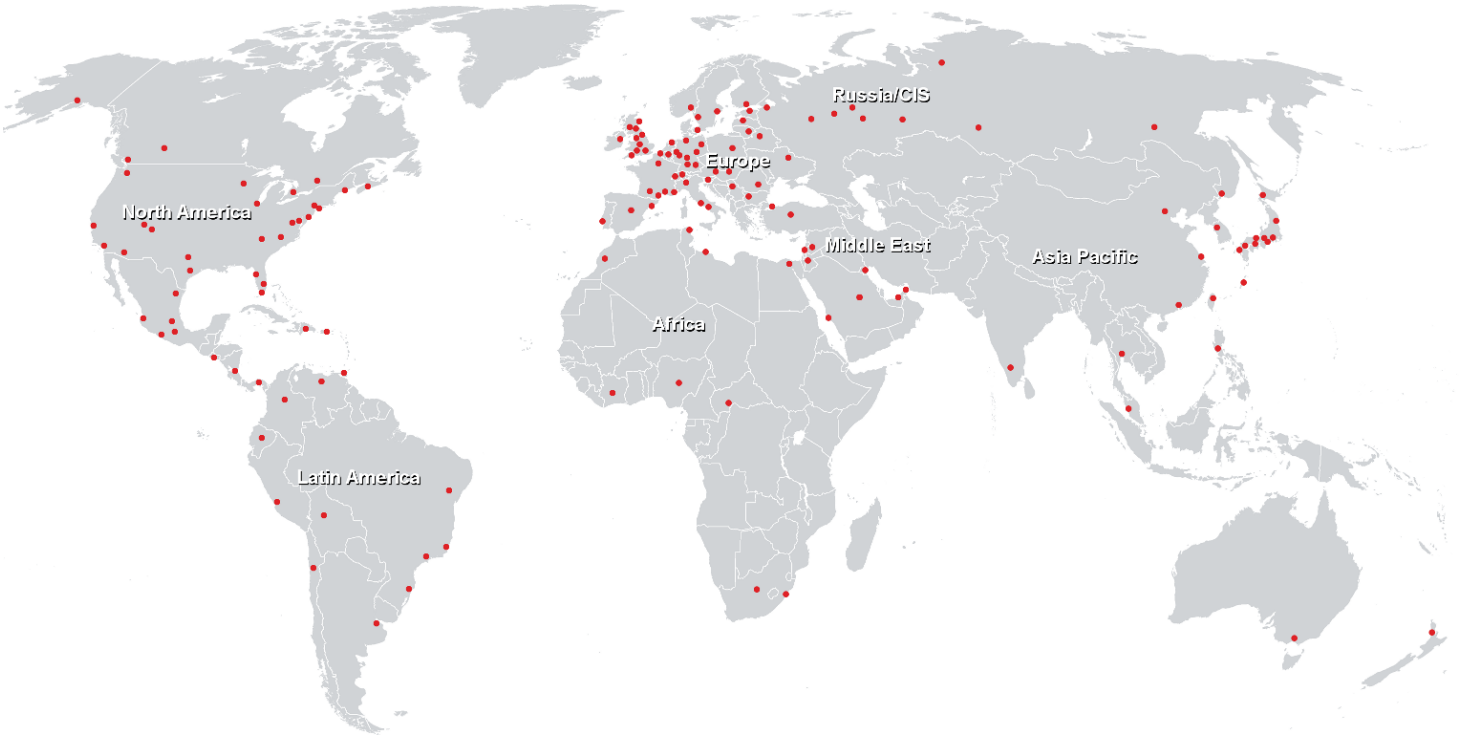
- Junos Automation Fundamentals
- Using Docker for NetDevOps
- Jinja2 Fundamentals
- Automating Junos Using JSNAPy
- Introduction to Ansible
- Automating Junos Using Ansible
- Ansible with Jinja2 Templates and JSNAPy
- Junos Op Scripts Using Python
- Junos Commit Scripts Using Python
- Junos Event Policies
- Junos Event Scripts Using Python
- SLAX Fundamentals
- SLAX Extension Functions
- Junos Op Scripts Using SLAX
- Junos Commit Scripts and Event Scripts Using SLAX
- YANG Language
- OpenConfig
- Custom YANG Modules
- Terraform (Experimental)
- Protocol Buffers and gRPC
- gNMI
- Junos gNMI (Dial-In) Telemetry

## Self-Study Modules

- Junos OS Evolved Automation
- Junos SNMP Scripts
- Juniper Extension Toolkit

# Juniper Platform Automation and NetDevOps (JAUT)

**Training Centres worldwide**






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