# Juniper Networks Design Fundamentals (JNDF)

**ID** JNDF **Price** US $ 3,000.—(excl. VAT) **Duration** 3 days

## Who should attend

This course is targeted for Juniper Networks system engineers, partner sales engineers (including Champions), and services partners. However, the course is also applicable to a general audience of Juniper customers with a desire to learn more about network design.

## This course is part of the following Certifications

Juniper Networks Certified Internet Associate
Design (JNCIA-DESIGN)

## Prerequisites

The following are the prerequisites for this course:

- Knowledge of routing and switching architectures and protocols.
- Knowledge of Juniper Networks products and solutions.
- Understanding of infrastructure security principles.
- Basic knowledge of hypervisors and load balancers.

## Course Objectives

After successfully completing this course, you should be able to:

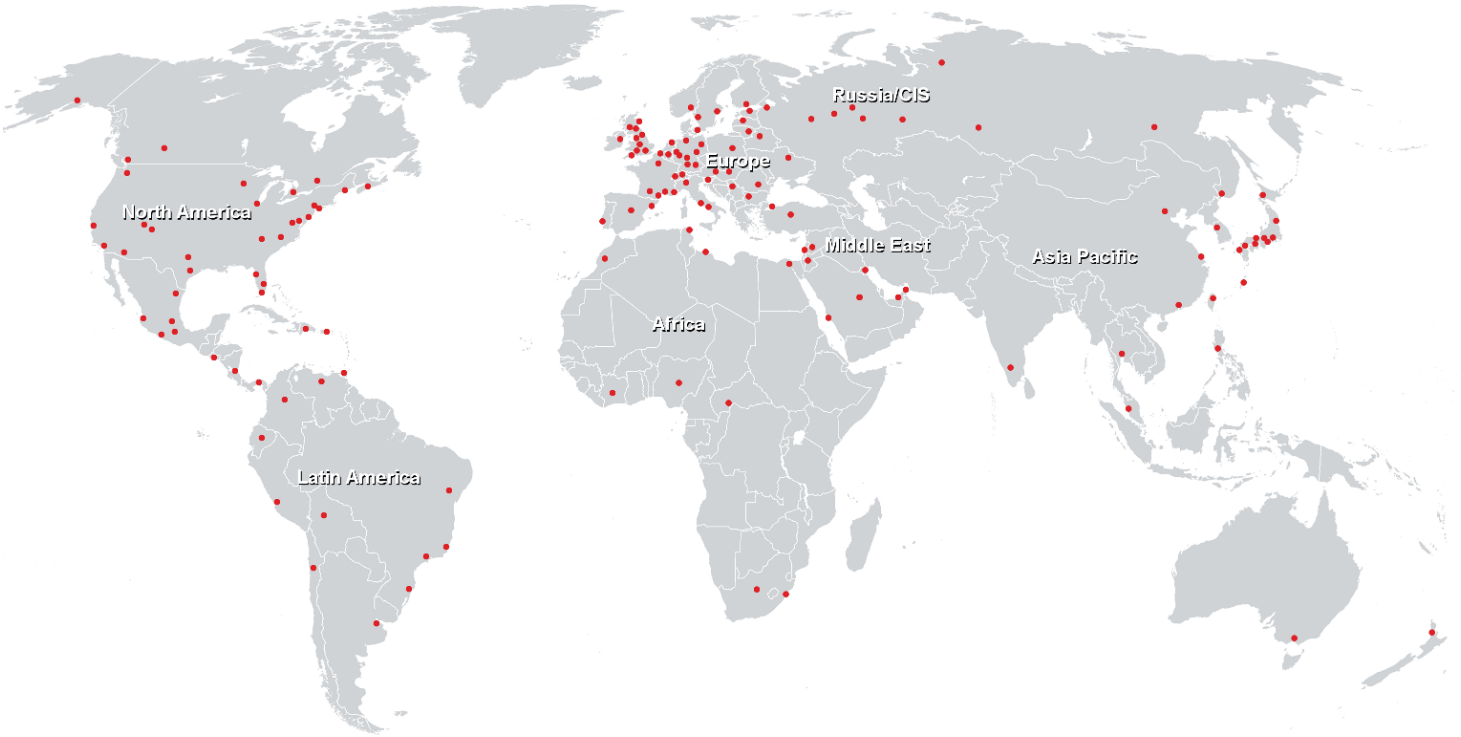
- Provide an overview of network design needs and common business requirements.
- Describe key product groups related to campus, WAN, data center, and security including both Juniper Networks product groups and some key competing solutions.
- Analyze and interpret common RFP requirements.
- Scope a network design by gathering data and working with key stakeholders.
- Organize the data that has been collected from the customer.
- Define boundaries so they can properly structure the design scope.
- Provide an overview of network security and common vulnerabilities.
- List high-level design considerations and best practices for securing the network.
- Formulate Campus design proposals using industry and organizational best practices.
- Describe design considerations and best practices for design in the campus network.
- Formulate WAN design proposals using industry and organizational best practices.
- Describe design considerations and best practices for WAN design in the network.
- Formulate data center design proposals using industry and organizational best practices.
- Describe design considerations and best practices for design in the data center.
- Define business continuity and its importance in a network.
- Describe high availability design considerations and best practices.
- Provide an overview of high availability solutions.
- Provide an overview of environmental considerations in network design.
- List design considerations and best practices for managing the network.
- Provide an overview of Juniper Networks and third party options for network management.
- List design considerations and best practices for network automation.
- Describe the foundational topics that have been taught throughout the course.
- Create a network design proposal that satisfies customer requirements and business needs.
- Provide an overview of the steps involved in migrating a network.
- Describe best practices used in network migration.

## Course Content

This three-day course is designed to cover best practices, theory, and design principles for overall network design and will serve as the prerequisite course for other design subject areas — data center, security, and WAN.

# Juniper Networks Design Fundamentals (JNDF)

**Training Centres worldwide**






**Fast Lane Institute for Knowledge Transfer (Switzerland) AG**

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

**info@flane.ch, https://www.flane.ch**