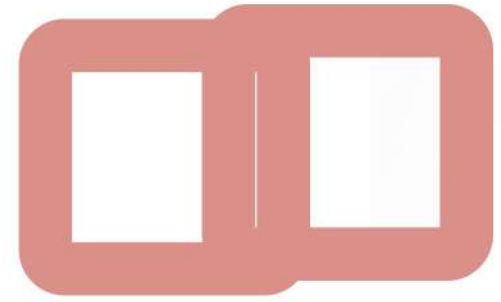


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Online Course



ZETLAN TECHNOLOGIES
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Course Modules

1. Identify initial network design requirements

- Juniper Networks life-cycle service approach
- Proposal boundaries and considerations
- Greenfield and brownfield deployments
- Top-down networks
- Capacity planning

2. Identify the roles of different Juniper products and solutions

- Routers
- Switches
- Security
- WLAN
- Software-defined networking (SDN)
- Network management

3. Identify security design principles

- General security design and considerations
- Securing a data center
- Securing the campus WAN
- Zero-trust security
- Secure access service edge (SASE)



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4. Identify network design considerations for business continuity

- High-resiliency design
- Link- and device-level redundancy
- Multihomed Ethernet Segment Identifier Link Aggregation Grps
- Juniper Networks SRX Firewalls redundancy
- Virtual chassis
- Campus redundancy best practices

5. Identify design considerations for network automation

- Benefits of network automation
- Juniper automation products
- Junos® XML, Representational State Transfer (REST), JSD APIs
- Junos OS on-box and off-box automation

6. Design considerations for network management strategies

- Network management methodologies
- Separation of production and management traffic
- Configuration backups
- Remote console access
- Juniper network management strategies



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7. Identify considerations for a wired campus or branch LAN

- Campus LAN design best practices
- Modular design
- Subnet and VLAN design
- Access control design
- Ethernet VPN-Virtual Extensible LAN (EVPN-VXLAN) architecture
- Campus oversubscription ratios
- Campus design architectures

8. Identify considerations for a wireless LAN

- WLAN design phases
- Gathering business requirements
- Gathering technical requirements
- Device types
- Designing secondary coverage
- Designing real-time location services
- Access point (AP) coverage patterns
- Co-channel contention
- Gathering RF requirements
- RF modeling



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9. Identify considerations for a campus or branch WAN

- Campus or branch WAN connectivity functions
- Best practices for designing the campus or branch WAN
- Campus WAN performance
- Campus WAN VPN design
- Campus active/active and active/passive high availability (HA)

10. Identify considerations for an SD-WAN

- SD-WAN design considerations
- SD-WAN devices
- Assurance models
- SD-WAN intersite connectivity

11. Identify considerations for general data center network

- Data center design best practices
- Traffic patterns
- Virtual chassis
- Environmental considerations
- Data center fabric architectures



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12. Identify considerations for IP fabric-based data center network

- Benefits of IP fabric over other data center architectures
- Design options with IP fabrics
- Spine-and-leaf device placement recommendations
- Underlay and overlay design
- Routing protocol selection
- IP fabric best practices
- IP fabric scaling

The logo for Zetlan Technologies features a large, stylized, light gray letter 'Z' that serves as a background for the text. The text 'Zetlan Technologies' is written in a bold, sans-serif font, with 'Zetlan' in a darker gray and 'Technologies' in a lighter gray, positioned directly below the 'Z' graphic.

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