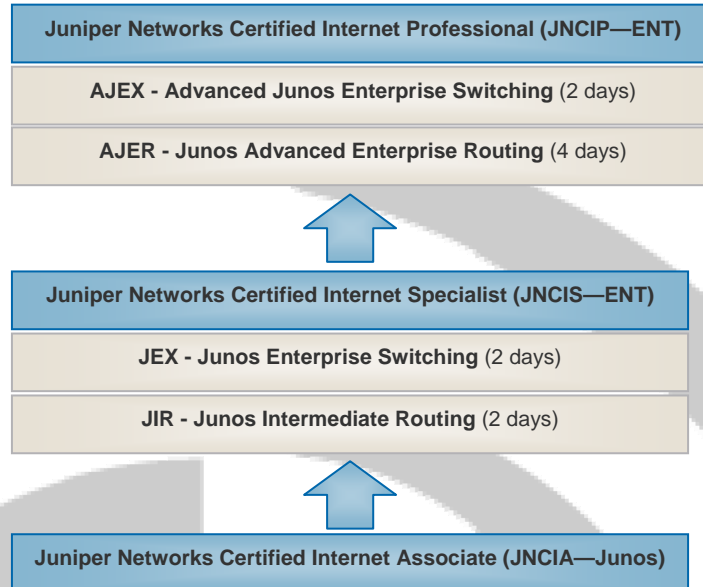




JUNIPER ENTERPRISE ROUTER (SUPERSEDED)



**New certification track roadmap for 2011 does not relate to this course. Contact us now to discuss equivalent or replacement training.

Advanced Juniper Networks Routers in the Enterprise (AJRE)

Course Overview

This four-day course provides an advanced look at routing and services configurations on Juniper Networks J-series and M-series platforms commonly used in the enterprise environment.

AJRE course highlights include:

- routing policy and firewall filters
- the complexities of BGP configuration most relevant to enterprises
- migration from a distance-vector routing protocol to a link-state routing protocol, including strategies for successful migrations with limited to no downtime
- Configuration and monitoring of Layer 2 services, including the Compressed Real-Time Transport Protocol (CRTP), Multilink PPP (MLPPP), and Multilink Frame Relay (MLFR)
- configuration of stateful firewall filters, NAT, and IPsec VPNs, including interoperability with other vendors
- options for branch-office connectivity, including provider-provisioned Layer 2 and Layer 3 VPNs, private circuits, and IPsec VPNs

- Class of Service (CoS) deployment in the enterprise environment and the interaction of CoS with other configurations on the router

Target audience

Experienced network engineers, support personnel, reseller support, and others responsible for implementing Juniper enterprise routing products.

Prerequisites

This is an advanced course. It assumes that students meet the following prerequisites:

- Completion of the Operating Juniper Networks Routers in the Enterprise (OJRE) course or equivalent knowledge and experience;
- Knowledge, familiarity, and comfort with the JUNOS CLI;
- Experience managing routers (not necessarily Juniper Networks) in an enterprise environment;
- Understanding of destination-based, hop-by-hop IP routing in a Classless Inter-Domain Routing (CIDR) environment; and
- Experience with IGP in an enterprise environment



Day One

JUNOS Policy

- Policy Language and Policy Evaluation Process Overview
- Routing Policy
- Firewall Policy
- Unicast Reverse-Path Forwarding Checks

BGP

- BGP Overview
- IBGP Implementation
- EBGP Implementation
- BGP-IGP Interaction

Enterprise Routing Policies

- Enterprise BGP Deployment
- Case Study: Primary/Secondary Routing Policy

Day Two

Transitioning Between IGP

- Transition Overview
- Overlay Transition
- Route Redistribution Transition
- Integrated Transition

JUNOS Services Overview

- JUNOS Services Overview
- Layer 2 Services Configuration
- Layer 3 Services Overview

Day Three

Stateful Firewall and Network Address Translation

- Stateful Firewall and NAT Overview
- Applications
- Configuring Stateful Firewall Rules
- Configuring NAT Rules
- Implementing Stateful Firewall and NAT

Day Four

Class of Service

- CoS Overview
- Traffic Classification
- Traffic Queuing
- Traffic Scheduling
- Example
- Troubleshooting

Branch Office Connectivity

- Overview of Connectivity Options
- Routing and Security Implications
- CoS Considerations

Cost AUD \$2,499 inc. GST

For Available Dates & Terms and Conditions see:
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