

Juniper OSPF

This Juniper's Open Shortest Path First (OSPF) protocol training course prepares learners to earn the JNCIS-ENT certification. The beauty of OSPF is that it can be simple or very complex depending on the application. In either case, OSPF is a core networking topic that every networking professional should know. For Juniper engineers, this Juniper covers how to configure, monitor, and troubleshoot OSPF on Juniper networks.

[CBT Nuggets course material](#) →

WEEK 1

Design and Configure OSPF on Junos

154 min.

Introducing OSPF on Junos	2
The OSPF State Machine	16
Designated Routers and Backup Designated Routers	8
Link State Advertisements and LSA Flooding	11
OSPF Area Types	10
Securing OSPF	6
Summarizing OSPF on Junos	1

Advanced OSPF Foundations

Overview	1
Introducing Advanced OSPF on the JNCIP	2
OSPF Design Considerations	10
A (not so) Basic OSPF Deployment	15
OSPF Packet Types and LSAs	19
Verify LSDB Contents and Protect the LSDB	15
SPF Tuning	6
Metric Tuning	10
Rotating Authentication Keys	7
Summarizing Advanced OSPF Foundations	1

Advanced OSPF Configurations and Use Cases

Overview	1
Introducing Advanced OSPF Configurations	1
OSPF Area Types	10

WEEK 2

50 min.

Route Summarization	14
Route Filtering	6
Multi-Area Single Adjacency	7
Virtual Links	9
Route Redistribution	12
Summarizing Advanced OSPF Configuration	1