

# Cisco OSPF Troubleshooting

Learn troubleshooting techniques to keep your Open Shortest Path First (OSPF) networks stable. This Cisco OSPF Troubleshoot training shows you how to identify OSPF errors on Cisco routers and apply the correct commands and configurations to restore functionality.

[CBT Nuggets course material](#) →

## WEEK 1

### Troubleshoot IPv4 OSPF Network Types

166 min.

Intro to Troubleshooting IPv4 OSPF Network Types	1
IPv4 Network Types Overview	4
Lab Topology Overview	12
Troubleshooting Lab 01	19
Troubleshooting Lab 02	16

### Troubleshoot IPv6 OSPF Network Types

Overview	1
Intro to Troubleshooting IPv6 OSPFv3 Network Types	1
Network Types Overview	5
Lab Introduction	16
Troubleshooting Lab 01	22
Troubleshooting Lab 2	20

### Troubleshoot IPv4 OSPF Areas

Overview	1
Intro to Troubleshooting IPv4 OSPF Areas	1
OSPF Area Types Review	12
Getting Familiar with the Network	10
IPv4 OSPF Troubleshooting Lab 01	25

## WEEK 2

161 min.

IPv4 OSPF Troubleshooting Lab 02	24
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### Troubleshoot IPv6 OSPF Areas

Overview	1
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Intro to Troubleshooting IPv6 OSPF Areas	1
IPv6 OSPF Area Types	3
Intro to lab topology	11
IPv6 Area Troubleshooting lab 1	18
IPv6 Area Troubleshooting Lab 2	13

### **Troubleshoot IPv4 OSPF Virtual Links**

Overview	1
Introduction to Troubleshooting IPv4 Virtual Links	1
IPv4 OSPF Virtual Links Overview	6
Implement a Virtual Link	22
IPv4 Virtual Link Lab 01	17
IPv4 Virtual Link Lab 02	20

### **Troubleshoot IPv6 OSPF Virtual Links**

Overview	1
Introduction to IPv6 OSPF Virtual Links	1
IPv6 OSPF Virtual Links Overview	4
Implement an OSPFv3 Virtual Link	17

## **WEEK 3**

**156 min.**

Troubleshoot OSPFv3 Virtual Links Lab 01	13
Troubleshoot OSPFv3 Virtual Links Lab 02	15

### **Troubleshoot OSPF Authentication for IPv4**

Intro to IPv4 OSPF Authentication and Troubleshooting	1
Overview of OSPF Authentication	14
Implement OSPF Authentication	16

Virtual Links and Authentication	3
Troubleshooting OSPF Authentication Lab 01	17
Troubleshooting OSPF Authentication Lab 02	19

### **Troubleshoot OSPF Authentication for IPv6**

Overview	1
Intro to IPv6 OSPF Authentication and Troubleshooting	1
IPv6 OSPF Authentication Overview	15
Implement and Verify Authentication	13
Troubleshooting OSPF Authentication Lab 01	15
Troubleshooting OSPF Authentication Lab 02	13