

# Cisco IOS-XR OSPF

## Debugging & Diagnostics

(Debugging and Diagnostics)

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**Introduction:** This document provides a summary of the methods used to troubleshoot **OSPF** on **Cisco IOS-XR**.

Command	Description
<code>debug ospf packet</code>	Debugging OSPF operation.
<code>show memory summary</code> <code>show processes cpu</code>	
<code>show interfaces</code>	Link failures
<code>show protocols</code>	
<code>show route ipv4 ospf</code> <code>show route ipv6 ospf</code>	
<code>show ospf</code> <code>show ospfv3</code>	
<code>show ospf interface [brief]</code> <code>show ospfv3 interface [brief]</code>	
<code>show ospf neighbor</code> <code>show ospfv3 neighbor</code>	
<code>show ospf database</code> <code>show ospfv3 database</code>	
<code>show ospf virtual-link</code>	
<code>clear ospf [process-ID]</code>	
<code>show running-config router ospf</code> <code>[process-ID]</code>	