

OSPF Database Explanation Guide

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Introduction

This guide shows sample configurations of Open Shortest Path First (OSPF) in different network environments. Specifically, the purpose of this guide is to examine the OSPF database in various environments. The examples fall into the following categories:

- Network Types
- Multiple Area and Types of Areas
- Default Routes into Various Area Types

Network Types

The following sample configuration documents fall under the Network Types category:

- OSPF Routers Connected by an Unnumbered Serial Link
- OSPF Routers Connected by a Numbered Point-to-Point Link
- OSPF Routers Connected by a Point-to-Multipoint Link
- OSPF Routers Connected by a Multi-Access Network

Multiple Area and Types of Areas

The following sample configuration documents fall under the Multiple Area and Types of Areas category:

- OSPF Inter-Area Routing
- How OSPF Propagates External Routes into Multiple Areas
- OSPF Virtual Link
- OSPF Not So Stubby Area Type 7 to Type 5 Link-State Advertisement Conversion

Default Routes into Various Area Types

The following sample configuration documents fall under the Default Routes into Various Area Types category:

- How OSPF Injects a Default Route into a Normal Area
- How OSPF Injects a Default Route into a Stub or Totally Stub Area
- How OSPF Injects a Default Route into a Not So Stubby Area

Related Information

- [OSPF Support Page](#)
 - [IP Routing Support Page](#)
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