

## Excluding an OSPF Interface as a Backup for a Protected Interface

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By default, all OSPF interfaces that belong to the default instance or to a specific routing instance are eligible as backup interface for interfaces configured with link-protection or node-link protection. You can specify that any OSPF interface be excluded from functioning as a backup interface to protected interfaces.

To exclude an OSPF interface as a backup interface for a protected interface:

- Include the `no-eligible-backup` statement at the `[edit protocols (ospf | ospf3) area area-id interface interface-name]` hierarchy level.

In the following example, interface `so-0/0/0.0` has been configured to prohibit backup traffic for traffic destined for a protected interface. This means that if a neighboring next-hop path or node for a protected interface fails, interface `so-0/0/0.0` cannot be used to transmit traffic to a backup path.

```
[edit]
protocols {
  ospf {
    area 0.0.0.0 {
      interface so-0/0/0.0 {
        no-eligible-backup;
      }
    }
  }
}
```

- Related Topics**
- `no-eligible-backup`
  - Loop-Free Alternate Routes for OSPF Overview
  - Configuring Link Protection for OSPF
  - Configuring Node-Link Protection for OSPF

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