

## database-protection

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<b>Syntax</b>	database-protection { ignore-count <i>number</i> ; ignore-time <i>seconds</i> ; maximum-lsa <i>number</i> ; reset-time <i>seconds</i> ; warning-only; warning-threshold <i>percent</i> ; }
<b>Hierarchy Level</b>	[edit protocols ospf   ospf3] [edit logical-systems <i>logical-system-name</i> routing-instances <i>routing-instance-name</i> protocols (ospf   ospf3)] [edit routing-instances <i>routing-instance-name</i> protocols (ospf   ospf3)] [edit routing-instances <i>routing-instance-name</i> protocols ospf3 realm (ipv4–unicast   ipv4–multicast   ipv6–unicast   ipv6–multicast)]
<b>Release Information</b>	Statement introduced in JUNOS Release 10.2.
<b>Description</b>	Configure the maximum number of link-state advertisements (LSAs) that are not generated by the router in a given OSPF instance.
<b>Default</b>	By default, OSPF database protection is not enabled.
<b>Options</b>	<p><i>ignore-count number</i>—Configure the number of times the database can enter the ignore state. When the ignore count is exceeded, the database will enter the isolate state.</p> <p><b>Range:</b> 1 through 32 <b>Default:</b> 5</p> <p><i>ignore-time seconds</i>—Configure the time the database must remain in the ignore state before it resumes regular operations (enters retry state).</p> <p><b>Range:</b> 30 through 3,600 seconds <b>Default:</b> 300 seconds</p> <p><i>maximum-lsa number</i>—It is mandatory to configure the maximum number of LSAs whose advertising router ID is different from the local router ID in a given OSPF instance. This includes external LSAs as well as LSAs with any scope, such as the link, area, and autonomous system (AS).</p> <p><b>Range:</b> 1 through 1,000,000 <b>Default:</b> None</p> <p><i>reset-time seconds</i>—Configure the time period during which the database must operate without being in the ignore or isolate state before it is reset to a normal operating state.</p> <p><b>Range:</b> 60 through 86,400 seconds</p>

**Default:** 600 seconds

**warning-only**—Configure that only a warning will be issued when the maximum LSA number is exceeded. If configured, no other action will be taken against the database.

**warning-threshold *percent***—Configure the percent of the maximum number of LSAs to be exceeded before a warning message is logged.

**Range:** 30 through 100 percent

**Default:** 75 percent

**Required Privilege Level** routing—To view this statement in the configuration.  
routing-control—To add this statement to the configuration.

- Related Topics**
- OSPF Database Protection Overview
  - Configuring OSPF Database Protection

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