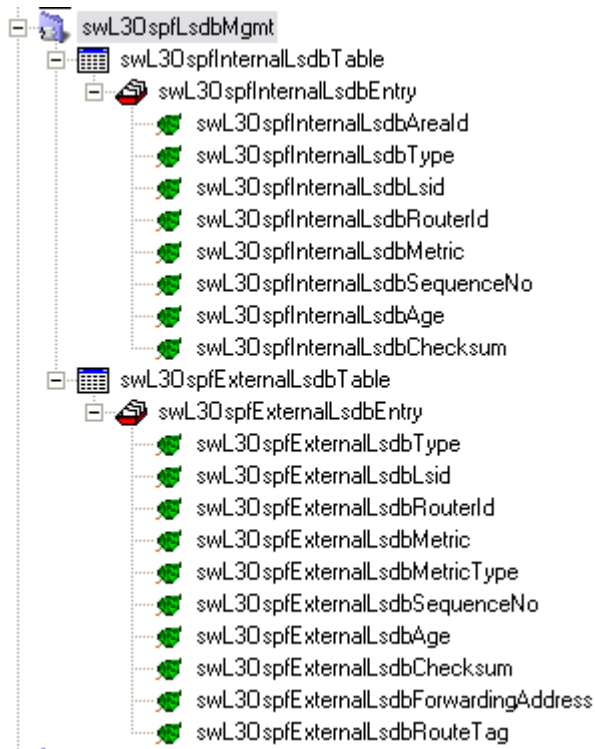


DGS-36xx “OspfLsdbMgmt” OID parameter

swL3OspfLsdbMgmt



1. swL3OspfInternalLsdbTable

Base syntax	Sequence Of swL3OspfInternalLsdbEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL3OspfInternalLsdbAreaId - IP Address 2:swL3OspfInternalLsdbType - Integer 3:swL3OspfInternalLsdbLsid - IP Address 4:swL3OspfInternalLsdbRouterId - IP Address 5:swL3OspfInternalLsdbMetric - Integer 6:swL3OspfInternalLsdbSequenceNo - Octet String 7:swL3OspfInternalLsdbAge - Gauge 8:swL3OspfInternalLsdbChecksum - Integer
Parent node	swL3OspfLsdbMgmt
First child	swL3OspfInternalLsdbEntry
Description	The OSPF Process's Link State Database.

1.0: swL3OspfInternalLsdbEntry

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1

Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swL3OspfInternalLsdbAreaId 2.swL3OspfInternalLsdbType 3.swL3OspfInternalLsdbLsid 4.swL3O
Parent node	swL3OspfInternalLsdbTable
First child	swL3OspfInternalLsdbAreaId
Description	A single Link State Advertisement.

1.1:swL3OspfInternalLsdbAreaId - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.1

Base syntax	IP Address
Composed syntax	AreaID
Access	Read-Only
Status	Current
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	The 32 bit identifier of the Area from which the LSA was received.

1.2:swL3OspfInternalLsdbType - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.2

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.2

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : routerLink(1) 2 : networkLink(2) 3 : summaryLink(3) 4 : asSummaryLink(4) 5 : asExternalLink(5) 6 : multicastLink(6) 7 : nssaExternalLink(7)
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	The type of the link state advertisement. Each link state type has a separate advertisement format.

1.3:swL3OspfInternalLsdbLsid - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.3

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.3

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.3

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.3

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.3

Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	The Link State ID is an LS Type Specific field containing either a Router ID or an IP Address; it identifies the piece of the routing domain that is being described by the advertisement.

1.4:swL3OspfInternalLsdbRouterId - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.4

Base syntax	IP Address
Composed syntax	RouterID
Access	Read-Only
Status	Current
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	The 32 bit number that uniquely identifies the originating router in the Autonomous System.

1.5:swL3OspfInternalLsdbMetric - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.5

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.5

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.5

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.5

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.5

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	Enter the metric (1 - 65535; 0 for auto cost) of this area.

1.6:swL3OspfInternalLsdbSequenceNo - Octet String

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.6

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.6

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.6

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.6

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.6

Base syntax	Octet String
Composed syntax	OCTET STRING
Access	Read-Only
Status	Current
Value list	1:4..4
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	The sequence number field is a signed 32-bit integer. It is used to detect old and duplicate link state advertisements. The space of sequence numbers is linearly ordered. The larger the sequence number the more recent the advertisement.

1.7:swL3OspfInternalLsdbAge - Gauge

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.7

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.7

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.7

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.7

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.7

Base syntax	Gauge
Composed syntax	Unsigned32
Access	Read-Only
Status	Current
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	This field is the age of the link state advertisement in seconds.

1.8:swL3OspfInternalLsdbChecksum - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.1.1.8

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.1.1.8

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.1.1.8

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.1.1.8

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.1.1.8

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Parent node	swL3OspfInternalLsdbEntry
First child	None
Description	This field is the checksum of the complete contents of the advertisement, excepting the age field. The age field is excepted so that an advertisement's age can be incremented without updating the checksum. The checksum used is the same that is used for ISO connectionless datagrams; it is commonly referred to as the Fletcher checksum.

2. swL3OspfExternalLsdbTable

Base syntax	Sequence Of swL3OspfExternalLsdbEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL3OspfExternalLsdbType - Integer 2:swL3OspfExternalLsdbLsid - IP Address 3:swL3OspfExternalLsdbRouterId - IP Address 4:swL3OspfExternalLsdbMetric - Integer 5:swL3OspfExternalLsdbMetricType - Integer 6:swL3OspfExternalLsdbSequenceNo - Octet String 7:swL3OspfExternalLsdbAge - Gauge 8:swL3OspfExternalLsdbChecksum - Integer 9:swL3OspfExternalLsdbForwardingAddress - IP Address 10:swL3OspfExternalLsdbRouteTag - Octet String
Parent node	swL3OspfLsdbMgmt
First child	swL3OspfExternalLsdbEntry
Description	The OSPF Process's Links State Database.

2.0: swL3OspfExternalLsdbEntry

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1

Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swL3OspfExternalLsdbType 2.swL3OspfExternalLsdbLsid 3.swL3OspfExternalLsdbRouterId
Parent node	swL3OspfExternalLsdbTable
First child	swL3OspfExternalLsdbType
Description	A single Link State Advertisement.

2.1:swL3OspfExternalLsdbType - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.1

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : asExternalLink(5) 2 : nssaExternalLink(7)
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	The type of the link state advertisement. Each link state type has a separate advertisement format.

2.2:swL3OspfExternalLsdbLsid - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.2

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.2

Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	The Link State ID is an LS Type Specific field containing either a Router ID or an IP Address; it identifies the piece of the routing domain that is being described by the advertisement.

2.3:swL3OspfExternalLsdbRouterId - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.3

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.3

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.3

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.3

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.3

Base syntax	IP Address
Composed syntax	RouterID
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	The 32 bit number that uniquely identifies the originating router in the Autonomous System.

2.4:swL3OspfExternalLsdbMetric - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.4

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	Enter the metric (1 - 65535; 0 for auto cost) of this area.

2.5:swL3OspfExternalLsdbMetricType - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.5

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.5

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.5

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.5

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.5

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : unrecognized(0) 2 : type-1(1) 3 : type-2(2)
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	Enter the metric type of this area.

2.6:swL3OspfExternalLsdbSequenceNo - Octet String

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.6

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.6

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.6

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.6

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.6

Base syntax	Octet String
Composed syntax	OCTET STRING
Access	Read-Only
Status	Current
Value list	1 : 4..4
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	The sequence number field is a signed 32-bit integer. It is used to detect old and duplicate link state advertisements. The space of sequence numbers is linearly ordered. The larger the sequence number the more recent the advertisement.

2.7:swL3OspfExternalLsdbAge - Gauge

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.7

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.7

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.7

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.7

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.7

Base syntax	Gauge
Composed syntax	Unsigned32
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	This field is the age of the link state advertisement in seconds.

2.8:swL3OspfExternalLsdbChecksum - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.8

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.8

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.8

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.8

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.8

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	This field is the checksum of the complete contents of the advertisement, except the age field. The age field is the exception so that an advertisement's age can be incremented without updating the checksum. The checksum used is the same that is used for ISO connectionless datagrams; it is commonly referred to as the Fletcher checksum.

2.9:swL3OspfExternalLsdbForwardingAddress - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.9

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.9

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.9

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.9

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.9

Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	This field is the forwarding address.

2.10:swL3OspfExternalLsdbRouteTag - Octet String

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.13.2.1.10

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.13.2.1.10

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.13.2.1.10

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.13.2.1.10

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.13.2.1.10

Base syntax	Octet String
Composed syntax	OCTET STRING
Access	Read-Only
Status	Current
Parent node	swL3OspfExternalLsdbEntry
First child	None
Description	This field is the route tag.