

DGS-36xx “OSPF host table” and “Route Preference” and “OSPF Area Table” OID parameter

OSPF Host Table:



0:swL3OspfHostEntry

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1

Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swL3OspfHostIpAddress 2.swL3OspfHostTOS
Parent node	swL3OspfHostTable
First child	swL3OspfHostIpAddress
Description	A metric to be advertised, for a given type of service, when a given host is reachable.

1:swL3OspfHostIpAddress - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1.1

Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3OspfHostEntry
First child	None
Description	The IP Address of the Host.

2:swL3OspfHostTOS – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1.2

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1.2

Base syntax	Integer
Composed syntax	TOSType
Access	Read-Only
Status	Current
Value list	1 : 0..30
Parent node	swL3OspfHostEntry
First child	None
Description	The Type of Service of the route being configured.

3:swL3OspfHostMetric – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1.3

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1.3

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1.3

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1.3

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1.3

Base syntax	Integer
Composed syntax	Metric
Access	Read-Create
Status	Current
Value list	1 : 0..65535
Parent node	swL3OspfHostEntry
First child	None
Description	The Metric to be advertised.

4:swL3OspfHostAreaID - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1.4

Base syntax	IP Address
Composed syntax	AreaID
Access	Read-Create
Status	Current
Parent node	swL3OspfHostEntry
First child	None
Description	The Area the Host Entry is to be found within. By default, the area that a subsuming OSPF interface is in, or 0.0.0.0

5:swL3OspfHostStatus – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.6.1.5

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.6.1.5

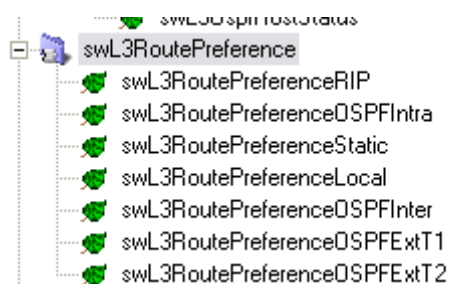
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.6.1.5

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.6.1.5

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.6.1.5

Base syntax	Integer
Composed syntax	RowStatus
Access	Read-Create
Status	Current
Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
Parent node	swL3OspfHostEntry
First child	None
Description	This variable displays the status of the entry. Setting it to 'invalid' has the effect of rendering it inoperative. The internal effect (row removal) is implementation dependent.

Route Preference:



0. swL3RoutePreference

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9

Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL3MgmtMIB
First child	swL3RoutePreferenceRIP

1. swL3RoutePreferenceRIP

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.1

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of RIP.

2. swL3RoutePreferenceOSPFIntra

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.2

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.2

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of OSPF Intra.

3. swL3RoutePreferenceStatic

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.3

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.3

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.3

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.3

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.3

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of Static.

4. swL3RoutePreferenceLocal

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.4

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..999
Parent node	swL3RoutePreference
First child	None
Description	Used to read the route preference of Local.

5. swL3RoutePreferenceOSPFInter

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.5

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.5

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.5

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.5

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.5

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of OSPF Inter.

6. swL3RoutePreferenceOSPFEExtT1

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.6

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.6

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.6

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.6

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.6

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of OSPFEExtT1.

7. swL3RoutePreferenceOSPFEExtT2

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.9.7

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.9.7

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.9.7

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.9.7

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.9.7

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..999
Parent node	swL3RoutePreference
First child	None
Description	Used to configure the route preference of OSPF ExtT2.

OSPF Area Table



0: swL3ospfAreaEntry

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1
DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1
DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1
DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1

Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swL3ospfAreaId
Parent node	swL3ospfAreaTable
First child	swL3ospfAreaId
Description	Information describing the configured parameters and cumulative statistics of one of the router's attached areas.

1:swL3ospfAreaId - IP Address

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.1
DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.1
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.1
DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.1
DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.1

Base syntax	IP Address
Composed syntax	AreaID
Access	Read-Only
Status	Current
Parent node	swL3ospfAreaEntry
First child	None
Description	A 32-bit integer uniquely identifying an area. Area ID 0.0.0.0 is used for the OSPF backbone.

2:swL3ospfAreaType – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.2

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.2

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Obsolete
Value list	1 : normal(1) 2 : stub(2) 3 : nssa(3)
Parent node	swL3ospfAreaEntry
First child	None
Description	The type specified for an area.

3:swL3ospfAreaSummaryState – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.3

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.3

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.3

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.3

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.3

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : none(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL3ospfAreaEntry
First child	None
Description	Whether the summary LSA is effective for this area.

4:swL3ospfAreaMetric – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.4

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL3ospfAreaEntry
First child	None
Description	Enter the metric (1 - 65535; 0 for auto cost) of this area.

5:swL3ospfAreaTranslateState - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.5

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.5

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.5

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.5

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.5

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : none(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL3ospfAreaEntry
First child	None
Description	.

6:swL3ospfAreaStatus - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.10.1.6

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.10.1.6

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.10.1.6

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.10.1.6

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.10.1.6

Base syntax	Integer
Composed syntax	RowStatus
Access	Read-Create
Status	Current
Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
Parent node	swL3ospfAreaEntry
First child	None
Description	This variable displays the status of the entry. Setting it to 'invalid' has the effect of rendering it inoperative. The internal effect (row removal) is implementation dependent.