DGS-36xx OSPF state and ospfVirtIfTable OID parameter

OSPF State:

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.1.1.2

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.1.1.2
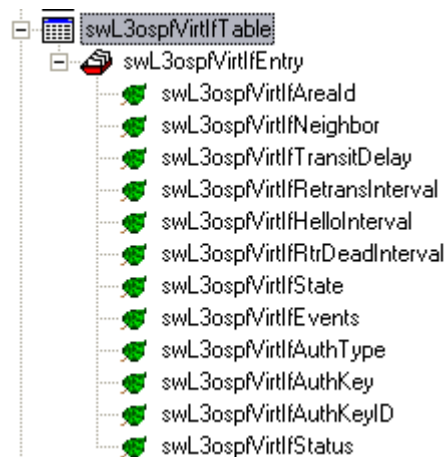
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.1.1.2

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.1.1.2

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.1.1.2

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : disabled(2)
	3 : enabled(3)
Parent node	swL3DevCtrl
First child	None
Description	This object indicates OSPF protocol is enabled or disabled.

swL3ospfVirtIfTable

0: swL3ospfVirtIfEntry

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1

1:swL3ospfVirtIfAreaId - IP Address
DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.1
DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.1
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.1
DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.1
DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.1

Base syntax	IP Address
Composed syntax	AreaID
Access	Read-Only
Status	Current
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The Transit Area that the Virtual Link traverses. By definition, this is not 0.0.0.0

2:swL3ospfVirtIfNeighbor - IP Address
DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.2
DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.2
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.2
DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.2
DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.2

Base syntax	IP Address
Composed syntax	RouterID
Access	Read-Only
Status	Current
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The Router ID of the Virtual Neighbor.

3:swL3ospfVirtIfTransitDelay – Integer
DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.3
DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.3
DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.3
DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.3
DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.3

Base syntax	Integer
Composed syntax	UpToMaxAge
Access	Read-Create
Status	Current
Value list	1 : 0..3600
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The estimated number of seconds it takes to transmit a link-state update packet over this interface.

4:swL3ospfVirtIfRetransInterval – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.4

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.4

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.4

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.4

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.4

Base syntax	Integer
Composed syntax	UpToMaxAge
Access	Read-Create
Status	Current
Value list	1 : 0..3600
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The number of seconds between link-state advertisement retransmissions, for adjacencies belonging to this interface. This value is also used when retransmitting database description and link-state request packets. This value should be well over the expected round-trip time.

5:swL3ospfVirtIfHelloInterval – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1

Base syntax	Integer
Composed syntax	HelloRange
Access	Read-Create
Status	Current
Value list	1 : 1..65535
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The length of time, in seconds, between the Hello packets that the router sends on the interface. This value must be the same for the virtual neighbor.

6:swL3ospfVirtIfRtrDeadInterval – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.6

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.6

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.6

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.6

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.6

Base syntax	Integer
Composed syntax	Integer32
Access	Read-Create
Status	Current
Value list	1 : 1..65535
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The number of seconds that a router's Hello packets have not been seen before it's neighbors declare the router down. This should be some multiple of the Hello interval. This value must be the same for the virtual neighbor.

7:swL3ospfVirtIfState – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.7

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.7

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.7

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.7

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.7

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Base syntax          Integer
Composed syntax      INTEGER
Access               Read-Only
Status               Current
Value list           1 : down(1)
                     2 : pointToPoint(4)

Parent node          swL3ospfVirtIfEntry
First child          None
Description           OSPF virtual interface states.
```

8:swL3ospfVirtIfEvents – Counter

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.8

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.8

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.8

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.8

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.8

```
Base syntax          Counter
Composed syntax      Counter32
Access               Read-Only
Status               Current

Parent node          swL3ospfVirtIfEntry
First child          None
Description           The number of state changes or error events on
                     this Virtual Link
```

9:swL3ospfVirtIfAuthType – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.9

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.9

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.9

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.9

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.9

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : 0..255
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The authentication type specified for a virtual interface. Additional authentication types may be assigned locally.

10:swL3ospfVirtIfAuthKey - Octet String

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.10

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.10

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.10

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.10

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.10

Base syntax	Octet String
Composed syntax	OCTET STRING
Access	Read-Create
Status	Current
Value list	1 : 0..256
Parent node	swL3ospfVirtIfEntry
First child	None
Description	If Authentication Type is simplePassword, the device will left adjust and zero fill to 8 octets.
	Note that unauthenticated interfaces need no authentication key, and simple password authentication cannot use a key of more than 8 octets. Larger keys are useful only with authentication mechanisms not specified in this document.

11:swL3ospfVirtIfAuthKeyID – Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.11

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.11

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.11

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.11

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.11

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : 0..255
Parent node	swL3ospfVirtIfEntry
First child	None
Description	The MD5 key ID.

12:swL3ospfVirtIfStatus - Integer

DGS-3612: 1.3.6.1.4.1.171.11.70.10.3.7.1.12

DGS-3612G: 1.3.6.1.4.1.171.11.70.9.3.7.1.12

DGS-3627: 1.3.6.1.4.1.171.11.70.6.3.7.1.12

DGS-3627G: 1.3.6.1.4.1.171.11.70.8.3.7.1.12

DGS-3650: 1.3.6.1.4.1.171.11.70.5.3.7.1.12

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	swL3ospfVirtIfEntry
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.