

How to get IPv6 Neighbor cache with SNMP command

The following the command shows all IPv6 Neighbor cache in the switch (IP address:192.168.1.24).

```
#snmpwalk -c private -v 2c 192.168.1.24 1.3.6.1.4.1.171.12.26.4.1.1
```

Please refer the following the description for IPv6 Neighbor cache

<ul style="list-style-type: none"> swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState swIPv6NeighborCacheMgmt <ul style="list-style-type: none"> swIPv6NeighborCacheTable swIPv6NeighborCacheEntry <ul style="list-style-type: none"> swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	<p>Object name swIPv6NeighborCacheMgmt</p> <p>Object ID 1.3.6.1.4.1.171.12.26.4</p> <p>Module IPV6-STATIC-ROUTE-MIB</p> <p>Base syntax Object Identifier</p> <p>Access Not_Accessible</p> <p>Status Mandatory</p> <p>Parent node swIPv6StaticRouteMIB</p> <p>First child swIPv6NeighborCacheTable</p>
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<ul style="list-style-type: none"> swIPv6StaticRouteEntry swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState swIPv6NeighborCacheMgmt swIPv6NeighborCacheTable swIPv6NeighborCacheEntry <ul style="list-style-type: none"> swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	<p>Object name swIPv6NeighborCacheEntry</p> <p>Object ID 1.3.6.1.4.1.171.12.26.4.1.1</p> <p>Module IPV6-STATIC-ROUTE-MIB</p> <p>Base syntax Sequence</p> <p>Access Not_Accessible</p> <p>Status Current</p> <p>Index 1.swIPv6NeighborCacheIPv6Address 2.swIPv6NeighborCacheMacAddress 3.swIPv6NeighborCacheInterfaceName</p> <p>Parent node swIPv6NeighborCacheTable</p> <p>First child swIPv6NeighborCacheIPv6Address</p> <p>Description A particular route to a particular destination, under a particular policy. Once an entry is built, it cannot be modified. That is, it just supports create and delete actions.</p>
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	Base syntax Octet String Composed syntax Ipv6Address Access Read-Only Status Current Value list 1 : 16..16
	Parent node swIPv6NeighborCacheEntry First child None Description The destination IPv6 address of this neighbor.

<ul style="list-style-type: none"> swIPv6StaticRouteEntry swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState v6NeighborCacheMgmt swIPv6NeighborCacheTable swIPv6NeighborCacheEntry swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	Object name swIPv6NeighborCacheMacAddress Object ID 1.3.6.1.4.1.171.12.26.4.1.1.2 Module IPV6-STATIC-ROUTE-MIB
	Base syntax Octet String Composed syntax MacAddress Access Read-Only Status Current Value list 1 : 6..6
	Parent node swIPv6NeighborCacheEntry First child None Description The MAC address of this neighbor .

<ul style="list-style-type: none"> swIPv6StaticRouteEntry swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState v6NeighborCacheMgmt swIPv6NeighborCacheTable swIPv6NeighborCacheEntry swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	Object name swIPv6NeighborCacheInterfaceName Object ID 1.3.6.1.4.1.171.12.26.4.1.1.3 Module IPV6-STATIC-ROUTE-MIB
	Base syntax Octet String Composed syntax DisplayString Access Read-Only Status Current Value list 1 : 1..12
	Parent node swIPv6NeighborCacheEntry First child None Description This object indicates the name of the IP interface.

<ul style="list-style-type: none"> swIPv6StaticRouteEntry swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState v6NeighborCacheMgmt swIPv6NeighborCacheTable swIPv6NeighborCacheEntry swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	Object name swIPv6NeighborCacheReachState Object ID 1.3.6.1.4.1.171.12.26.4.1.1.4 Module IPV6-STATIC-ROUTE-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : incomplete(1) 2 : reachable(2) 3 : stale(3) 4 : delay(4) 5 : probe(5) 6 : static(6)
	Parent node swIPv6NeighborCacheEntry First child None Description This object indicates the reachability state of this neighbor.

<ul style="list-style-type: none"> swIPv6StaticRouteEntry swIPv6StaticRouteDest swIPv6StaticRoutePrefixLen swIPv6StaticRouteInterfaceName swIPv6StaticRouteNextHop swIPv6StaticRouteMetric swIPv6StaticProtocol swIPv6StaticRouteStatus swIPv6StaticRouteBkupState IPv6NeighborCacheMgmt swIPv6NeighborCacheTable swIPv6NeighborCacheEntry swIPv6NeighborCacheIPv6Address swIPv6NeighborCacheMacAddress swIPv6NeighborCacheInterfaceName swIPv6NeighborCacheReachState swIPv6NeighborCacheRouteStatus swIPv6NeighborCacheDeleteAction 	<table border="0"> <tr> <td>Object name</td> <td>swIPv6NeighborCacheRouteStatus</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.12.26.4.1.1.5</td> </tr> <tr> <td>Module</td> <td>IPV6-STATIC-ROUTE-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Integer</td> </tr> <tr> <td>Composed syntax</td> <td>RowStatus</td> </tr> <tr> <td>Access</td> <td>Read-Create</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)</td> </tr> <tr> <td>Parent node</td> <td>swIPv6NeighborCacheEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>This object indicates the status of this entry.</td> </tr> </table>	Object name	swIPv6NeighborCacheRouteStatus	Object ID	1.3.6.1.4.1.171.12.26.4.1.1.5	Module	IPV6-STATIC-ROUTE-MIB	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	swIPv6NeighborCacheEntry	First child	None	Description	This object indicates the status of this entry.
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