SNMP Request

To request SNMP query:

- 1. Select the desired OID
- 2. Click Request

MIB Device	ifTa	ble ×							
MIB Tree	cisco	cisco3550 a							
급 Request ⁸ 🔍 Search	index	ifIndex	ifDescr ifType						
🖻 👁 root	.1	1	GigabitEthernet0/1	ethernetCsmacd(6)					
ccit(0)	.2	2	GigabitEthernet0/2	ethernetCsmacd(6)					
iso(1)	.3	3	GigabitEthernet0/3	ethernetCsmacd(6)					
	.4	4	GigabitEthernet0/4	ethernetCsmacd(6)					
org(3)	.5	5	GigabitEthernet0/5	ethernetCsmacd(6)					
dod(6)	.6	6	GigabitEthernet0/6	ethernetCsmacd(6)					
😑 🚞 internet(1)	.7	7	GigabitEthernet0/7	ethernetCsmacd(6)					
directory(1)	.8	8	GigabitEthernet0/8	ethernetCsmacd(6)					
mmt(2)	.9	9	GigabitEthernet0/9	ethernetCsmacd(6)					
	.10	10	GigabitEthernet0/10	ethernetCsmacd(6)					
🐸 🦲 MiD-2(1)	.11	11	GigabitEthernet0/11	ethernetCsmacd(6)					
🙂 🚞 system(1)	.12	12	GigabitEthernet0/12	ethernetCsmacd(6)					
interfaces(2)	.13	13	NullO	other(1)					
ifNumber(1)	.14	14	Vlan1	propVirtual(53)					
□ IIII ifTable(2)	.15	15	Loopback0	softwareLoopback(24)					
ifFntry(1)									

Result will display in the main panel (3) in a new tab. Title of the tab will be the OID name and it will contain the device to which the SNMP request was sent to (the Current device).

On the screenshot we can see that SNMP query was sent to device cisco3550-xx (3) for the ifTable.

If there is no Current device set, the application will prompt you to enter an instant device. You can request the SNMP query from MIB tree or Favorites.

OID values returned by the SNMP request can be displayed as a list (OIDs and their values) or table, depending on the type of the selected node in the MIB Tree.

MIB tree node types as shown in the screenshot to the left:

- 1. Folder returns a list of OIDs
- 2. Leaf returns a single OID
- 3. Table returns OIDs organized into table
- 4. Table header returns a list of OIDs

Table Request

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An example of SNMP query result table is shown on figure below. SNMP table contains name and value for each OID corresponding with the same index. SNMP table has the following information and options:

- 1. Title shows the MIB requested
- 2. Device shows the device that returned the table (Current device)
- 3. Settable OIDs (marked in blue)
- Pivot pivoting the table
- 5. Next/Refresh next table page / refresh

cisco	3550-	*								Piv	ot Refresh
index	ifIndex	ifDescr	ifType	ifMtu	ifSpeed	ifPhysAddress	ifAdminStatus	ifOperStatus	ifLastChange	ifIn0ctets	ifInUcastPkts
.1	1	GigabitEthernet0/1	ethernetCsmacd(6)	1500	1000000000	00:11:5c:82:96:00	up(1)	up(1)	4 days, 5:58:37.47	2505601206	156161969
.2	2	GigabitEthernet0/2	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:02	up(1)	down(2)	0:01:43.51	0	0
.3	3	GigabitEthernet0/3	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:03	up(1)	down(2)	0:01:43.51	0	0
.4	4	GigabitEthernet0/4	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:04	up(1)	down(2)	0:01:43.51	0	0
.5	5	GigabitEthernet0/5	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:05	up(1)	down(2)	0:01:43.51	0	0
.6	6	GigabitEthernet0/6	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:06	up(1)	down(2)	0:01:43.51	0	0
.7	7	GigabitEthernet0/7	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:07	up(1)	down(2)	0:01:43.51	0	0
.8	8	GigabitEthernet0/8	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:08	up(1)	down(2)	0:01:43.51	0	0
.9	9	GigabitEthernet0/9	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:09	up(1)	down(2)	0:01:43.51	0	0
.10	10	GigabitEthernet0/10	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:0a	up(1)	down(2)	0:01:43.51	0	0
.11	11	GigabitEthernet0/11	ethernetCsmacd(6)	1500	10000000	00:11:5c:82:96:0b	up(1)	down(2)	0:01:43.51	0	0
.12	12	GigabitEthernet0/12	ethernetCsmacd(6)	1500	1000000000	00:11:5c:82:96:0c	up(1)	up(1)	0:01:49.21	239705110	150591690
.13	13	NullO	other(1)	1500	4294967295		up(1)	up(1)	0:00:20.27	0	0
.14	14	Van1	propVirtual(53)	1500	1000000000	00:11:5c:82:96:00	up(1)	up(1)	0:02:17.21	10531848	80212
.15	15	Loopback0	softwareLoopback(24)	1514	4294967295		up(1)	up(1)	0:01:43.91	0	0

The table will show up to 100 rows by default. If the table has more rows, the Next option will be displayed. Click next to get next 100 rows.

On this page:

- Table Request
- List Requests
 OID Value Setti
- OID Value Setting

Refresh option will show if there is less than 100 rows, or you reached the last page of the table (after clicking Next). Click Refresh to send the SNMP request again.

To change the maximum
number of rows displayed,
go to blocked URL > Settin
gs > MIB Settings >
Configuration and change
the Table response limit par
ameter.

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List Requests

Examples of list requests are shown on screenshot below:

MIB C	evice		interfa	ces *×	ifNur	nber ×	ifEntry		
MIB Tree			cisco3550-						
and Request Search		oid value							
😑 🚞 dod(6)			ifNumber.0	15					
<pre> internet(1) directory(1) mompt(2) </pre>			ifIndex.1	1	interfa	ces ×	ifNumber [®] ×		
			ifIndex.2	x.2 2		50-			
		ifIndex.3	3	cisco355					
			ifIndex.4	4					
	miD-2(1)		ifIndex.5	5	oid	value			
۲	system(1)		ifIndex.6	6	ifNumber.0	15			
→ ⊕ ⊇ interfaces(2) i ifNumber(1) ⊕ ifTable(2)		ifIndex.7	7						
		ifIndex.8	ifIndex.8 8 ifIndex.9 9 ifIndex.10 10		interfaces ifNumber ifEntry				
		ifIndex.9							
		ifIndex.10							
	- en activity		ifIndex.11	1 11		cisco3550-			
Fauerites		ifIndex.12	12			and the second sec			
ravontes			ifIndex.13	13		010	value		
Details		×	ifIndex.14	14		ifIndex.1	1		
ype	Object		ifIndex.15	15		ifIndex.2	2		
ame	ifEntry		ifDescr.1	Gigabit	Ethernet0/1	ifIndex.3	3		
ID	.1.3.6.1.2.1.2.2.1		ifDescr.2	GigabitEthernet0/2		#Index.4	4		
tatus	mandatory		ifDescr.3	cr.3 GigabitEthernet0/3		ifIndex.5	5		
ccess	not-accessible		ifDescr.4	cr.4 GigabitEthernet0/4		ifIndex.6	6		
alue Type	IfEntry		ifDescr.5	5 GigabitEthernet0/5		ifIndex.7	7		
and a second second			ifDescr.6 GigabitEthernet0/6						

The list will show up to 50 rows by default. If the list has more rows, the Next option will be displayed. Click next to get next 50 rows.

Refresh option will show if there is less than 50 rows, or you reached the last page of the list (after clicking Next). Click Refresh to send the SNMP request again.



OID Value Setting

You can set an OID value if it is marked in blue in the table returned by the SNMP request. To set the OID value:

- 1. Click on the OID value
- 2. Select an OID value or type a value
- 3. Click OK.

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ifTable	×				
cisco3550-ı	mnt			Pivot Ref	resh
ifSpeed	ifPhysAddress	ifAdminStatus	ifOperStatus	ifLastChange	ifInOc
100000000	00:11:5c:82:96:00	up(1)	1 up(1)	4 days, 5:58:37.54	2598228
10000000	00:11:5c:82:96:02	up(1)	down(2)	0:01:43.58	
1000000	00:11:5c:82:96:03	up(1)	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:04	Select value	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:05	up(1) a 🔹	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:06	OK ⁸ Canaal	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:07	UK Cancer	down(2)	0:01:43.58	
1000000	00:11:5c:82:96:08	up(1)	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:09	up(1)	down(2)	0:01:43.58	
10000000	00:11:5c:82:96:0a	un(1)	down(2)	0:01:43.58	

To set an OID value and SNMP SET change to be successfull on a device, you need to have:

- 1. WRITE or ADMIN permission for MIB module
- 2. READ_WRITE access level on device's SNMP policy
- 3. Enabled device remote SNMP setting