

知 ComwareV7平台交换机通过MIB节点读取VLAN号与端口号对应关系方法

MIB 秦军 2015-10-08 发表

通过SNMP读取设备对应MIB节点，了解H3C ComwareV7平台交换机VLAN号与端口的对应关系。

无

以S5820V2为例，通过MIB Browser软件读取VLAN号与端口号的对应关系。

1. 通过 hh3cdot1qVlanPortIndexs获取VLAN下的Port Index

读取hh3cdot1qVlanPortIndexs (1.3.6.1.4.1.25506.8.35.2.1.1.1.19) 节点，可以获得设备上所有VLAN所对应的Port Index:

***** SNMP QUERY STARTED *****

1: hh3cdot1qVlanPortIndexs.1 (octet string)

54,182,2,3,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,
38,39,40,41,42,43,44,45,46,47,48,49,130,131,135,136,137,138,139,140,141,142,143,144,145,146,147,1
48,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,1
72,173,174,175,176,177,50,51,52,53,178,179,180,181,

2: hh3cdot1qVlanPortIndexs.11 (octet string) 1409, //VLAN11对应端口的PortIndex

3: hh3cdot1qVlanPortIndexs.12 (octet string) 1409, //VLAN12对应端口的PortIndex

4: hh3cdot1qVlanPortIndexs.13 (octet string) 1409,4,132, //VLAN13对应端口的PortIndex

5: hh3cdot1qVlanPortIndexs.14 (octet string) 1409,5,133, //VLAN14对应端口的PortIndex

6: hh3cdot1qVlanPortIndexs.15 (octet string) 1409,6,134, //VLAN15对应端口的PortIndex

7: hh3cdot1qVlanPortIndexs.16 (octet string) 1410, //VLAN16对应端口的PortIndex

8: hh3cdot1qVlanPortIndexs.17 (octet string) 1410, //VLAN17对应端口的PortIndex

9: hh3cdot1qVlanPortIndexs.18 (octet string) 1410, //VLAN18对应端口的PortIndex

10: hh3cdot1qVlanPortIndexs.19 (octet string) 1410, //VLAN19对应端口的PortIndex

11: hh3cdot1qVlanPortIndexs.20 (octet string) 1410, //VLAN20对应端口的PortIndex

***** SNMP QUERY FINISHED *****

2. 通过 dot1dBasePortIfIndex把Port Index 转成IfIndex

读取dot1dBasePortIfIndex (1.3.6.1.2.1.17.1.4.1.2) 节点，可以获得到包括聚合口在内的所有二层端口的IfIndex与Port Index映射关系:

**** SNMP QUERY STARTED ****

1: dot1dBasePortIfIndex.2 (integer) 2

2: dot1dBasePortIfIndex.3 (integer) 3

3: dot1dBasePortIfIndex.4 (integer) 4

4: dot1dBasePortIfIndex.5 (integer) 5

5: dot1dBasePortIfIndex.6 (integer) 6

6: dot1dBasePortIfIndex.7 (integer) 7

7: dot1dBasePortIfIndex.8 (integer) 8

8: dot1dBasePortIfIndex.9 (integer) 9

9: dot1dBasePortIfIndex.10 (integer) 10

10: dot1dBasePortIfIndex.11 (integer) 11

11: dot1dBasePortIfIndex.12 (integer) 12

12: dot1dBasePortIfIndex.13 (integer) 13

13: dot1dBasePortIfIndex.14 (integer) 14

14: dot1dBasePortIfIndex.15 (integer) 15

15: dot1dBasePortIfIndex.16 (integer) 16

16: dot1dBasePortIfIndex.17 (integer) 17

17: dot1dBasePortIfIndex.18 (integer) 18

18: dot1dBasePortIfIndex.19 (integer) 19

19: dot1dBasePortIfIndex.20 (integer) 20

20: dot1dBasePortIfIndex.21 (integer) 21

21: dot1dBasePortIfIndex.22 (integer) 22

22: dot1dBasePortIfIndex.23 (integer) 23

23: dot1dBasePortIfIndex.24 (integer) 24

24: dot1dBasePortIfIndex.25 (integer) 25

25: dot1dBasePortIfIndex.26 (integer) 26

26: dot1dBasePortIfIndex.27 (integer) 27

27: dot1dBasePortIfIndex.28 (integer) 28

28: dot1dBasePortIfIndex.29 (integer) 29
29: dot1dBasePortIfIndex.30 (integer) 30
30: dot1dBasePortIfIndex.31 (integer) 31
31: dot1dBasePortIfIndex.32 (integer) 32
32: dot1dBasePortIfIndex.33 (integer) 33
33: dot1dBasePortIfIndex.34 (integer) 34
34: dot1dBasePortIfIndex.35 (integer) 35
35: dot1dBasePortIfIndex.36 (integer) 36
36: dot1dBasePortIfIndex.37 (integer) 37
37: dot1dBasePortIfIndex.38 (integer) 38
38: dot1dBasePortIfIndex.39 (integer) 39
39: dot1dBasePortIfIndex.40 (integer) 40
40: dot1dBasePortIfIndex.41 (integer) 41
41: dot1dBasePortIfIndex.42 (integer) 42
42: dot1dBasePortIfIndex.43 (integer) 43
43: dot1dBasePortIfIndex.44 (integer) 44
44: dot1dBasePortIfIndex.45 (integer) 45
45: dot1dBasePortIfIndex.46 (integer) 46
46: dot1dBasePortIfIndex.47 (integer) 47
47: dot1dBasePortIfIndex.48 (integer) 48
48: dot1dBasePortIfIndex.49 (integer) 49
49: dot1dBasePortIfIndex.50 (integer) 50
50: dot1dBasePortIfIndex.51 (integer) 51
51: dot1dBasePortIfIndex.52 (integer) 52
52: dot1dBasePortIfIndex.53 (integer) 53
53: dot1dBasePortIfIndex.54 (integer) 54
54: dot1dBasePortIfIndex.55 (integer) 55
55: dot1dBasePortIfIndex.130 (integer) 130
56: dot1dBasePortIfIndex.131 (integer) 131
57: dot1dBasePortIfIndex.132 (integer) 132
58: dot1dBasePortIfIndex.133 (integer) 133
59: dot1dBasePortIfIndex.134 (integer) 134
60: dot1dBasePortIfIndex.135 (integer) 135
61: dot1dBasePortIfIndex.136 (integer) 136
62: dot1dBasePortIfIndex.137 (integer) 137
63: dot1dBasePortIfIndex.138 (integer) 138
64: dot1dBasePortIfIndex.139 (integer) 139
65: dot1dBasePortIfIndex.140 (integer) 140
66: dot1dBasePortIfIndex.141 (integer) 141
67: dot1dBasePortIfIndex.142 (integer) 142
68: dot1dBasePortIfIndex.143 (integer) 143
69: dot1dBasePortIfIndex.144 (integer) 144
70: dot1dBasePortIfIndex.145 (integer) 145
71: dot1dBasePortIfIndex.146 (integer) 146
72: dot1dBasePortIfIndex.147 (integer) 147
73: dot1dBasePortIfIndex.148 (integer) 148
74: dot1dBasePortIfIndex.149 (integer) 149
75: dot1dBasePortIfIndex.150 (integer) 150
76: dot1dBasePortIfIndex.151 (integer) 151
77: dot1dBasePortIfIndex.152 (integer) 152
78: dot1dBasePortIfIndex.153 (integer) 153
79: dot1dBasePortIfIndex.154 (integer) 154
80: dot1dBasePortIfIndex.155 (integer) 155
81: dot1dBasePortIfIndex.156 (integer) 156
82: dot1dBasePortIfIndex.157 (integer) 157
83: dot1dBasePortIfIndex.158 (integer) 158
84: dot1dBasePortIfIndex.159 (integer) 159
85: dot1dBasePortIfIndex.160 (integer) 160
86: dot1dBasePortIfIndex.161 (integer) 161
87: dot1dBasePortIfIndex.162 (integer) 162
88: dot1dBasePortIfIndex.163 (integer) 163
89: dot1dBasePortIfIndex.164 (integer) 164
90: dot1dBasePortIfIndex.165 (integer) 165
91: dot1dBasePortIfIndex.166 (integer) 166

```
92: dot1dBasePortIfIndex.167 (integer) 167
93: dot1dBasePortIfIndex.168 (integer) 168
94: dot1dBasePortIfIndex.169 (integer) 169
95: dot1dBasePortIfIndex.170 (integer) 170
96: dot1dBasePortIfIndex.171 (integer) 171
97: dot1dBasePortIfIndex.172 (integer) 172
98: dot1dBasePortIfIndex.173 (integer) 173
99: dot1dBasePortIfIndex.174 (integer) 174
100: dot1dBasePortIfIndex.175 (integer) 175
101: dot1dBasePortIfIndex.176 (integer) 176
102: dot1dBasePortIfIndex.177 (integer) 177
103: dot1dBasePortIfIndex.178 (integer) 178
104: dot1dBasePortIfIndex.179 (integer) 179
105: dot1dBasePortIfIndex.180 (integer) 180
106: dot1dBasePortIfIndex.181 (integer) 181
107: dot1dBasePortIfIndex.182 (integer) 182
108: dot1dBasePortIfIndex.183 (integer) 183
109: dot1dBasePortIfIndex.1409 (integer) 1412
110: dot1dBasePortIfIndex.1410 (integer) 1413
***** SNMP QUERY FINISHED *****
```

3. 通过IfDescr节点将IfIndex转换为端口名称

读取IfDescr (1.3.6.1.2.1.2.2.1.2) 节点, 将前面获取到的端口IfIndex映射为具体的端口名称, 从而最终获取到VLAN与端口号的对应关系:

```
***** SNMP QUERY STARTED *****
1: ifDescr.2 (octet string) GigabitEthernet1/0/1
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31 (hex)]
2: ifDescr.3 (octet string) GigabitEthernet1/0/2
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.32 (hex)]
3: ifDescr.4 (octet string) GigabitEthernet1/0/3
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.33 (hex)]
4: ifDescr.5 (octet string) GigabitEthernet1/0/4
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.34 (hex)]
5: ifDescr.6 (octet string) GigabitEthernet1/0/5
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.35 (hex)]
6: ifDescr.7 (octet string) GigabitEthernet1/0/6
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.36 (hex)]
7: ifDescr.8 (octet string) GigabitEthernet1/0/7
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.37 (hex)]
8: ifDescr.9 (octet string) GigabitEthernet1/0/8
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.38 (hex)]
9: ifDescr.10 (octet string) GigabitEthernet1/0/9
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.39 (hex)]
10: ifDescr.11 (octet string) GigabitEthernet1/0/10
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.30 (hex)]
11: ifDescr.12 (octet string) GigabitEthernet1/0/11
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.31 (hex)]
12: ifDescr.13 (octet string) GigabitEthernet1/0/12
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.32 (hex)]
13: ifDescr.14 (octet string) GigabitEthernet1/0/13
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.33 (hex)]
14: ifDescr.15 (octet string) GigabitEthernet1/0/14
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.34 (hex)]
15: ifDescr.16 (octet string) GigabitEthernet1/0/15
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.35 (hex)]
16: ifDescr.17 (octet string) GigabitEthernet1/0/16
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.36 (hex)]
17: ifDescr.18 (octet string) GigabitEthernet1/0/17
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.37 (hex)]
18: ifDescr.19 (octet string) GigabitEthernet1/0/18
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.38 (hex)]
19: ifDescr.20 (octet string) GigabitEthernet1/0/19
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.31.39 (hex)]
```

[illegible]

52: ifDescr.53 (octet string) Ten-GigabitEthernet1/0/52
[54.65.6E.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.31.2F.30.2F.35.32 (hex)]

53: ifDescr.54 (octet string) FortyGigE1/0/53 [46.6F.72.74.79.47.69.67.45.31.2F.30.2F.35.33 (hex)]

54: ifDescr.55 (octet string) FortyGigE1/0/54 [46.6F.72.74.79.47.69.67.45.31.2F.30.2F.35.34 (hex)]

55: ifDescr.130 (octet string) GigabitEthernet2/0/1
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31 (hex)]

56: ifDescr.131 (octet string) GigabitEthernet2/0/2
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32 (hex)]

57: ifDescr.132 (octet string) GigabitEthernet2/0/3
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33 (hex)]

58: ifDescr.133 (octet string) GigabitEthernet2/0/4
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34 (hex)]

59: ifDescr.134 (octet string) GigabitEthernet2/0/5
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.35 (hex)]

60: ifDescr.135 (octet string) GigabitEthernet2/0/6
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.36 (hex)]

61: ifDescr.136 (octet string) GigabitEthernet2/0/7
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.37 (hex)]

62: ifDescr.137 (octet string) GigabitEthernet2/0/8
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.38 (hex)]

63: ifDescr.138 (octet string) GigabitEthernet2/0/9
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.39 (hex)]

64: ifDescr.139 (octet string) GigabitEthernet2/0/10
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.30 (hex)]

65: ifDescr.140 (octet string) GigabitEthernet2/0/11
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.31 (hex)]

66: ifDescr.141 (octet string) GigabitEthernet2/0/12
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.32 (hex)]

67: ifDescr.142 (octet string) GigabitEthernet2/0/13
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.33 (hex)]

68: ifDescr.143 (octet string) GigabitEthernet2/0/14
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.34 (hex)]

69: ifDescr.144 (octet string) GigabitEthernet2/0/15
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.35 (hex)]

70: ifDescr.145 (octet string) GigabitEthernet2/0/16
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.36 (hex)]

71: ifDescr.146 (octet string) GigabitEthernet2/0/17
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.37 (hex)]

72: ifDescr.147 (octet string) GigabitEthernet2/0/18
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.38 (hex)]

73: ifDescr.148 (octet string) GigabitEthernet2/0/19
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.31.39 (hex)]

74: ifDescr.149 (octet string) GigabitEthernet2/0/20
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.30 (hex)]

75: ifDescr.150 (octet string) GigabitEthernet2/0/21
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.31 (hex)]

76: ifDescr.151 (octet string) GigabitEthernet2/0/22
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.32 (hex)]

77: ifDescr.152 (octet string) GigabitEthernet2/0/23
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.33 (hex)]

78: ifDescr.153 (octet string) GigabitEthernet2/0/24
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.34 (hex)]

79: ifDescr.154 (octet string) GigabitEthernet2/0/25
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.35 (hex)]

80: ifDescr.155 (octet string) GigabitEthernet2/0/26
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.36 (hex)]

81: ifDescr.156 (octet string) GigabitEthernet2/0/27
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.37 (hex)]

82: ifDescr.157 (octet string) GigabitEthernet2/0/28
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.38 (hex)]

83: ifDescr.158 (octet string) GigabitEthernet2/0/29
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.32.39 (hex)]

84: ifDescr.159 (octet string) GigabitEthernet2/0/30
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.30 (hex)]

```

85: ifDescr.160 (octet string) GigabitEthernet2/0/31
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.31 (hex)]
86: ifDescr.161 (octet string) GigabitEthernet2/0/32
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.32 (hex)]
87: ifDescr.162 (octet string) GigabitEthernet2/0/33
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.33 (hex)]
88: ifDescr.163 (octet string) GigabitEthernet2/0/34
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.34 (hex)]
89: ifDescr.164 (octet string) GigabitEthernet2/0/35
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.35 (hex)]
90: ifDescr.165 (octet string) GigabitEthernet2/0/36
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.36 (hex)]
91: ifDescr.166 (octet string) GigabitEthernet2/0/37
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.37 (hex)]
92: ifDescr.167 (octet string) GigabitEthernet2/0/38
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.38 (hex)]
93: ifDescr.168 (octet string) GigabitEthernet2/0/39
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.33.39 (hex)]
94: ifDescr.169 (octet string) GigabitEthernet2/0/40
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.30 (hex)]
95: ifDescr.170 (octet string) GigabitEthernet2/0/41
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.31 (hex)]
96: ifDescr.171 (octet string) GigabitEthernet2/0/42
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.32 (hex)]
97: ifDescr.172 (octet string) GigabitEthernet2/0/43
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.33 (hex)]
98: ifDescr.173 (octet string) GigabitEthernet2/0/44
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.34 (hex)]
99: ifDescr.174 (octet string) GigabitEthernet2/0/45
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.35 (hex)]
100: ifDescr.175 (octet string) GigabitEthernet2/0/46
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.36 (hex)]
101: ifDescr.176 (octet string) GigabitEthernet2/0/47
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.37 (hex)]
102: ifDescr.177 (octet string) GigabitEthernet2/0/48
[47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.38 (hex)]
103: ifDescr.178 (octet string) Ten-GigabitEthernet2/0/49
[54.65.6E.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.34.39 (hex)]
104: ifDescr.179 (octet string) Ten-GigabitEthernet2/0/50
[54.65.6E.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.35.30 (hex)]
105: ifDescr.180 (octet string) Ten-GigabitEthernet2/0/51
[54.65.6E.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.35.31 (hex)]
106: ifDescr.181 (octet string) Ten-GigabitEthernet2/0/52
[54.65.6E.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.32.2F.30.2F.35.32 (hex)]
107: ifDescr.182 (octet string) FortyGigE2/0/53 [46.6F.72.74.79.47.69.67.45.32.2F.30.2F.35.33 (hex)]
108: ifDescr.183 (octet string) FortyGigE2/0/54 [46.6F.72.74.79.47.69.67.45.32.2F.30.2F.35.34 (hex)]
109: ifDescr.1281 (octet string) M-GigabitEthernet0/0/0
[4D.2D.47.69.67.61.62.69.74.45.74.68.65.72.6E.65.74.30.2F.30.2F.30 (hex)]
110: ifDescr.1409 (octet string) NULL0 [4E.55.4C.4C.30 (hex)]
111: ifDescr.1410 (octet string) InLoopBack0 [49.6E.4C.6F.6F.70.42.61.63.6B.30 (hex)]
112: ifDescr.1411 (octet string) Register-Tunnel0 [52.65.67.69.73.74.65.72.2D.54.75.6E.6E.65.6C.30
(hex)]
113: ifDescr.1412 (octet string) Bridge-Aggregation1
[42.72.69.64.67.65.2D.41.67.67.72.65.67.61.74.69.6F.6E.31 (hex)]
114: ifDescr.1413 (octet string) Bridge-Aggregation2
[42.72.69.64.67.65.2D.41.67.67.72.65.67.61.74.69.6F.6E.32 (hex)]
***** SNMP QUERY FINISHED *****

```

以VLAN13为例进行说明：首先通过hh3cdot1qVlanPortIndex节点，获取到VLAN13包含的端口Port Index包括1409,4,132；再读取dot1dBasePortIfIndex节点，将Port Index映射为IfIndex，Port Index（1409,4,132）→IfIndex（1412,4,132）；最后读取IfDescr节点，将IfIndex转换为具体的端口名称，IfIndex（1412,4,132）→IfDescr（Bridge-Aggregation1，GigabitEthernet1/0/3，GigabitEthernet2/0/3）。

可以与交换机上读取到的信息进行对比，验证信息的正确性。

display vlan all

VLAN ID: 1

VLAN type: Static

Route interface: Not configured

Description: VLAN 0001

Name: VLAN 0001

Tagged ports: None

Untagged ports:

FortyGigE1/0/53	FortyGigE2/0/53
GigabitEthernet1/0/1	GigabitEthernet1/0/2
GigabitEthernet1/0/6	GigabitEthernet1/0/7
GigabitEthernet1/0/8	GigabitEthernet1/0/9
GigabitEthernet1/0/10	GigabitEthernet1/0/11
GigabitEthernet1/0/12	GigabitEthernet1/0/13
GigabitEthernet1/0/14	GigabitEthernet1/0/15
GigabitEthernet1/0/16	GigabitEthernet1/0/17
GigabitEthernet1/0/18	GigabitEthernet1/0/19
GigabitEthernet1/0/20	GigabitEthernet1/0/21
GigabitEthernet1/0/22	GigabitEthernet1/0/23
GigabitEthernet1/0/24	GigabitEthernet1/0/25
GigabitEthernet1/0/26	GigabitEthernet1/0/27
GigabitEthernet1/0/28	GigabitEthernet1/0/29
GigabitEthernet1/0/30	GigabitEthernet1/0/31
GigabitEthernet1/0/32	GigabitEthernet1/0/33
GigabitEthernet1/0/34	GigabitEthernet1/0/35
GigabitEthernet1/0/36	GigabitEthernet1/0/37
GigabitEthernet1/0/38	GigabitEthernet1/0/39
GigabitEthernet1/0/40	GigabitEthernet1/0/41
GigabitEthernet1/0/42	GigabitEthernet1/0/43
GigabitEthernet1/0/44	GigabitEthernet1/0/45
GigabitEthernet1/0/46	GigabitEthernet1/0/47
GigabitEthernet1/0/48	GigabitEthernet2/0/1
GigabitEthernet2/0/2	GigabitEthernet2/0/6
GigabitEthernet2/0/7	GigabitEthernet2/0/8
GigabitEthernet2/0/9	GigabitEthernet2/0/10
GigabitEthernet2/0/11	GigabitEthernet2/0/12
GigabitEthernet2/0/13	GigabitEthernet2/0/14
GigabitEthernet2/0/15	GigabitEthernet2/0/16
GigabitEthernet2/0/17	GigabitEthernet2/0/18
GigabitEthernet2/0/19	GigabitEthernet2/0/20
GigabitEthernet2/0/21	GigabitEthernet2/0/22
GigabitEthernet2/0/23	GigabitEthernet2/0/24
GigabitEthernet2/0/25	GigabitEthernet2/0/26
GigabitEthernet2/0/27	GigabitEthernet2/0/28
GigabitEthernet2/0/29	GigabitEthernet2/0/30
GigabitEthernet2/0/31	GigabitEthernet2/0/32
GigabitEthernet2/0/33	GigabitEthernet2/0/34
GigabitEthernet2/0/35	GigabitEthernet2/0/36
GigabitEthernet2/0/37	GigabitEthernet2/0/38
GigabitEthernet2/0/39	GigabitEthernet2/0/40
GigabitEthernet2/0/41	GigabitEthernet2/0/42
GigabitEthernet2/0/43	GigabitEthernet2/0/44
GigabitEthernet2/0/45	GigabitEthernet2/0/46
GigabitEthernet2/0/47	GigabitEthernet2/0/48
Ten-GigabitEthernet1/0/49	
Ten-GigabitEthernet1/0/50	
Ten-GigabitEthernet1/0/51	
Ten-GigabitEthernet1/0/52	
Ten-GigabitEthernet2/0/49	
Ten-GigabitEthernet2/0/50	
Ten-GigabitEthernet2/0/51	
Ten-GigabitEthernet2/0/52	

VLAN ID: 11

VLAN type: Static

Route interface: Not configured
Description: VLAN 0011
Name: VLAN 0011
Tagged ports:
 Bridge-Aggregation1
Untagged ports: None

VLAN ID: 12
VLAN type: Static
Route interface: Not configured
Description: VLAN 0012
Name: VLAN 0012
Tagged ports:
 Bridge-Aggregation1
Untagged ports: None

VLAN ID: 13
VLAN type: Static
Route interface: Not configured
Description: VLAN 0013
Name: VLAN 0013
Tagged ports:
 Bridge-Aggregation1
Untagged ports:
 GigabitEthernet1/0/3 GigabitEthernet2/0/3

VLAN ID: 14
VLAN type: Static
Route interface: Not configured
Description: VLAN 0014
Name: VLAN 0014
Tagged ports:
 Bridge-Aggregation1
Untagged ports:
 GigabitEthernet1/0/4 GigabitEthernet2/0/4

VLAN ID: 15
VLAN type: Static
Route interface: Not configured
Description: VLAN 0015
Name: VLAN 0015
Tagged ports:
 Bridge-Aggregation1
Untagged ports:
 GigabitEthernet1/0/5 GigabitEthernet2/0/5

VLAN ID: 16
VLAN type: Static
Route interface: Not configured
Description: VLAN 0016
Name: VLAN 0016
Tagged ports:
 Bridge-Aggregation2
Untagged ports: None

VLAN ID: 17
VLAN type: Static
Route interface: Not configured
Description: VLAN 0017
Name: VLAN 0017
Tagged ports:
 Bridge-Aggregation2
Untagged ports: None

VLAN ID: 18
VLAN type: Static
Route interface: Not configured
Description: VLAN 0018
Name: VLAN 0018
Tagged ports:
 Bridge-Aggregation2
Untagged ports: None

VLAN ID: 19
VLAN type: Static
Route interface: Not configured
Description: VLAN 0019
Name: VLAN 0019
Tagged ports:
 Bridge-Aggregation2
Untagged ports: None

VLAN ID: 20
VLAN type: Static
Route interface: Not configured
Description: VLAN 0020
Name: VLAN 0020
Tagged ports:
 Bridge-Aggregation2
Untagged ports: None

无

无