

Cisco Interfaces In Use

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Introduction

A really useful task to perform when looking at remote systems is to see what interfaces on a Cisco Switch are in use (as in connected). Lets look at how to see what interfaces we are using: `sh interfaces status` This has to be performed from the top level, same part of the Cisco menu you would do `sh vlan br` for instance.

```
sh interfaces status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Gi0/1		connected	2	a-full	a-1000	10/100/1000BaseTX
Gi0/2		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/3		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/4		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/5		connected	2	a-full	a-1000	10/100/1000BaseTX
Gi0/6		connected	2	a-full	a-1000	10/100/1000BaseTX
Gi0/7		connected	2	a-full	a-1000	10/100/1000BaseTX
Gi0/8		connected	2	a-full	a-1000	10/100/1000BaseTX
Gi0/9		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/10		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/11		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/12		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/13		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/14		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/15		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/16		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/17		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/18		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/19		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/20		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/21		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/22		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/23		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/24		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/25		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/26		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/27		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/28		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/29		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/30		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/31		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/32		notconnect	2	auto	auto	10/100/1000BaseTX
Gi0/33		connected	3	a-full	a-1000	10/100/1000BaseTX
Gi0/34		connected	3	a-full	a-1000	10/100/1000BaseTX
Gi0/35		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/36		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/37		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/38		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/39		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/40		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/41		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/42		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/43		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/44		notconnect	3	auto	auto	10/100/1000BaseTX
Gi0/45		connected	1	a-full	a-1000	10/100/1000BaseTX
Gi0/46		connected	1	a-full	a-1000	10/100/1000BaseTX
Gi0/47		notconnect	1	auto	auto	Not Present
Gi0/48		notconnect	1	auto	auto	Not Present

In the above example above we can see that there are 9 interfaces in use, and we can see the following information for each interface:

Port	Name	Status	Vlan	Duplex	Speed	Type
Gi0/1		connected	2	a-full	a-1000	10/100/1000BaseTX

The following is what each field means:

- Port - This is the interface number on the switch
- Name - This only shows if any names have been assigned, generally they are not.
- Status - Connected.
- VLAN - What VLAN the interfaces is currently in.
- DUPLEX - a-full (automatic-full)
- SPEED - a-1000 (auto 1000)
- TYPE - 10/100/1000BaseTX (this interface supports 10Mb/s / 100Mbps and 1GBs)

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