

Re: Measure amount of network usage

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On May 27, 7:07 am, Andre Wisniewski <andre.wisniew...@xxxxxx> wrote:

hhs wrote:

Hi

Is there any of Cisco feature that let me measure the amount of network usage per user or per ip address.
For example: I have 10 computer on my LAN, what can i do if i want to know, let say pc01 use how many Mb per period of time? Is it possible to do it?

Thanks,
hhs

Hi

netflow is adequate to this task. Let's have a look
<http://www.cisco.com/en/US/prod/collateral/iosswrel/ps6537/ps6555/ps6...>

With ip accounting it's much to difficult to investigate. You had to sum up all lines for an specific ip and you can't see which traffic flows because no ports are shown in accounting. Another problem is that you can't find out when traffic was generated unless you do a clear ip accounting, let's say, every minute.

Andre

Netflow is not bad, but it is usually hard to have a chart/graph of traffic over time for a single IP. If you just want to manage the heavy hitters and see how a particular link or path is being utilized throughout the day (like most of us do), the netflow is second to none, but if you just want an idea of who is doing what, netflow probably isn't the best tool for that. I also definitely agree with

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your comments about scalability of accounting and the lack of ability to easily refine the reports. If you had a tool like Solarwinds (not cheap, but should be other free options out there), it will use SNMP strings to poll a device. Basically you would need to setup snmp on the switch and/or router, but you must remember that measurement of bandwidth would be done at layer 2 in this solution, not layer 3, By setting up a SNMP string, you can then use a tool like solarwinds to 'poll' the router by using an interface IP and the correct read or write string. When you connect to the router/switch, Solarwinds asks you which interfaces you would like to poll or watch, and then what kind of graph to create (1 min avg, 5 min avg, etc). This would allow you to graph each switchport on the switch (you would need to resolve what IPs/systems are on what ports the manual way with show arp | include and show cam or show mac-address-table.

MRTG is free and runs on linux and works in very much the same way. You just need to remember that no matter what, these are averages and not actual down to the second traffic levels (unless you use the bandwidth meter portion). Polling a router every second can cause performance degradation, so using a 1 or 5 minute average usually gets a ballpark of what you are looking for.

You can google any of these solutions for configuration examples and/or software options.

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