

Re: obtaining port bits per second data from switch

Source: <http://newsgroups.derkeiler.com/Archive/Comp/comp.dcom.lans.ethernet/2006-08/msg00204.html>

- *From:* Bod43@xxxxxxxxxxxxxx
 - *Date:* 29 Aug 2006 13:23:44 -0700
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Al Dykes wrote:

In article <[c4_Ig.481115\\$Mn5.434420@pd7tw3no](mailto:c4_Ig.481115$Mn5.434420@pd7tw3no)>,
Walter Roberson <roberon@xxxxxxxxxxxxxx> wrote:

In article <pan.2006.08.29.16.20.00.207109@xxxxxxxxxxxxxxxxxxxxxxxx>,
Ben Thompson <bt4@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

I would like to work out the bandwidth consumption of
watching various
video streams on my machine.

I am not sure how best to measure this? Does anyone know if
I can get
accurate data from the switch (e.g. via snmp). We have
mostly HP switches
and a few Extreme.

You can't get accurate data unless you can manage to isolate the entire
link from source to destination from all other traffic. If, though,
you were to try the monitoring at various times of day, you might
get a set of approximations that were close enough for your purposes.

What you need is a standard snmp ifInOctets and ifOutOctets monitoring
over a time interval. A program such as MRTG can probably set this
up for you with little difficulty.

If you're running XP there is a tool called perfmon that will report
just about anything your PC is doing.

task manager has a basic network traffic chart.

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If you need to isolate particular traffic and not just monitor the whole of the ethernet port then you might consider capturing the traffic with Ethereal and then you can plot various graphs.

You can capture on the same PC if the traffic is not too much for it or maybe your network kit supports "port mirroring" , "span port", "port monitoring" in which case you can use a seperate PC to capture the traffic.

In ethereal – statistics/io–graphs then apply filters.

Very nice.

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