

Re: SNMP Commands (was Re: How do I monitor the CPU temperature in an ES40 running OpenVMS 7.3-1?)

Source: <http://unix.derkeiler.com/Newsgroups/comp.os.vms/2003-07/0591.html>

From: David J. Dachtera (djesys.nospam_at_fsi.net)

Date: 07/08/03

Date: Mon, 07 Jul 2003 20:11:00 -0500

briggs@encompasserve.org wrote:

>
> *In article <1ca82fc6.0307061815.45694de9@posting.google.com>, dooleys@snowy.net.au (dooley) writes:*

> > *"David J. Dachtera" <djesys.nospam@fsi.net> wrote in message news:<3F0878CE.889AB110@fsi.net>...*

> > > *Verne wrote:*

> > > >

> > > >

> > > > *[snip]*

> > > >

> > > >

> > > > *Don't know if this would help, but once I tried some SNMP stuff, and from the on-line help (HELP MULTI SHOW /SNMP) and the Info-Multinet mailing list archives at www.process.com, I came up with (perhaps a trivial example):*

> > > >

> > > > *mul show /snmp=11.22.33.44/mib=mib-2.43.10.2.1.4.1.1*

> > > >

> > > > *and*

> > > >

> > > > *mul show /snmp=11.22.33.44/mib=enterprises.11.2.3.9.4.2.2.10.2.1.4.1.1*

> > > >

> > > > *to see the lifetime page counter on a printer... at least this works*

> > > > *on newer HP JetDirect-attached printers, such as the LJ5, LJ4000 and*

> > > > *the LJ2100 (would not work on a III or IV).*

> > > >

> > > > *Sorry, but I forget where I got the MIB variable 'id' from :-(*

> > > >

> > > > *Yeah - discovered those ages ago.*

> > > >

> > > > *\$ MULT SHOW/CONN/SNMP=x.x.x.x/MIB_VAR/OUT=filespec*

> > > >

> > > > *...will list out all the MIB variables on the target node and their*

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> >> *current values.*
> >>
> >> *O.k. Let me try this another way:*
> >>
> >> *I'm looking for a way – from a VMS system running Multinet – to send a*
> >> *SNMP trap to a "foreign" system monitoring center (at work, they're*
> >> *trying to use Cisco's CIC).*
> >>
> >> *Does *THAT* help?*
> >>
> >> *I *DON'T* want to use the VMS system examine other systems, I want the*
> >> *VMS system to be able to alert a "foreign" system when some bit of*
> >> *system administrivia goes awry (disk fills up, shadow-set member gets*
> >> *dropped, backup job fails, etc.).*
> >>
> >> *Does *THAT* help?*
> > *Your "foreign" system admin should be able to tell you –*
> > *the ip address of the system that will receive the trap*
> > *the community name to use*
> > *the port to use (162?)*
> > *the "enterprise" (compaq is 1.3.6.1.4.1.232.)*
> > *the oid to use within 232 to indicate disk full or whatever*
> > *use this link to identify "enterprises"*
> > *<http://www.alvestrand.no/objectid/1.3.6.1.4.1.html>*
>
> *The key piece that David is missing is not the community string,*
> *MIB variable or UDP port number. It is a piece of software*
> *that would allow _traps_ to be _sent_ from Multinet.*

**AT* *LAST*!!!! SOMEone who understands the question!!!!*

> *One way to go would be to write a program to format the UDP datagram*
> *and send it yourself. Once you come up to speed on the ASN.1*
> *coding conventions, this would not be much work. But coming up*
> *to speed can be a pain.*
>
> *David -- I have some very old software that I wrote in C that*
> *does SNMP gets and sets under Multinet (\$QIO interface). It's*
> *"roll your own" code and includes pieces which do the ASN.1*
> *formatting for the outbound SNMP requests and ASN.1 parsing for the*
> *resulting responses. It's huge, site specific and pretty ugly but it*
> *should have most of the support routines you would need to use to*
> *craft a trap datagram. And the comments contain pretty much*
> *everything I know about ASN.1. E-mail me if you want a copy.*

A very gracious and generous offer. Many thanx. See Richard Whalen's reply at another point in this thread...

--

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Unofficial Affordable OpenVMS Home Page:
<http://www.djesys.com/vms/soho/>

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