

Re: SNMP'ing

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.wmi/2005-01/0005.html>

From: Anthony LaMark (anthony_at_eXcSoftware.com)

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Hi,

eXc Software (www.eXcSoftware.com) has a way to display SNMP traps (and can also do SNMP Get and Set requests) into MOM2005 without having to deal with MIBS and/or WMI. The end result is that you get your traps (from any snmp capable device) into MOM with meaningful trap information (i.e. not a varbind list dump). Hope this helps.

"resident_eagle" <resident_eagle@yahoo.com> wrote in message news:2ff596a8.0412302322.4ef6c0c6@posting.google.com...

> Greetings.

>

> *I've been advised that I should post the message to this group and so*

> *I hope it's the right one. I have a few questions about compiling*

> *MIB's on Windows Server 2003 (even 2000 will do) and using traps for*

> *alert notification in MOM 2005. This issue is not strictly related to*

> *MOM (in my humble opinion), but is more network, WMI and OS oriented.*

> *So I think.*

>

> *I'll try to make a long story short (I doubt though). I am trying to*

> *make the server (w2k3), on which MOM resides, listen and translate*

> *traps that the networking device (configurable via telnet), that is*

> *connected to UPS, sends. I need to compile some vendor MIB's so that*

> *MOM 2005 can collect events using WMI SNMP Provider.*

>

> *I've been trying some trap-listening software out that I've found on*

> *the Net. It's mostly freeware, shareware or free-trial-period*

> *software. Those applications have their own MIB loaders and, even*

> *though they tend to report some warnings and/or errors, they succeed*

> *to compile them. I figure that they have advanced parsing/compiling*

> *capabilities and are able to recover from non-critical errors.*

>

> *On the other hand, by using SMI2SMIR (w2k) and MIBCC (w2k & w2k3) I*

> *don't get satisfying results. SMI2SMIR adds objects to the namespace*

> *while MIBCC creates a binary file. It seems to me that the main reason*

> *why these programs cannot compile those third-party MIB's is the*

> *dependency. I received five enterprise MIB's which all import*

> *RFC1155-SMI (that is contained within smi.mib), RFC1213-MIB*

> (*mib_ii.mib*), RFC-1212 and RFC-1215. They cannot be compiled because
> there are syntax errors (where other loaders didn't have problems)
> like the following:
>
> <235,Warning>: (line 28, col 3): Unrecognized character in input,
> ignored. "(null)" (SMI2SMIR output)
> SYNTAX ERROR on line: 28, Last token read is "man" (MIBCC output)
>
> and the line reads:
>
> *ups_man OBJECT IDENTIFIER ::= { enterprises 5491 }.*
>
> I'm not familiar with the syntax so there's a possibility that
> underscores are not allowed. But I'm almost positive that they knew
> the rules when they were writing it. I also received two MIB's named
> RFC1628.mib and RFC1628A.mib which contain UPS-MIB definition. They
> have the same dependencies and a few more (RFC1316-MIB, SNMPv2-TC and
> SNMPv2-SMI), but they pass through SMI2SMIR successfully with a bunch
> of warnings. I'm aware that some RFC MIB's are loaded by default and
> others have to be included in command line. I don't have RFC's 1212,
> 1215 and 1316. I've dug the first one out in some reference article,
> but it dates from 1991 or something like that. I'm unable to compile
> the RFC1155-SMI (*smi.mib*), too. And that one is crucial.
>
> OK, this story was not short. Maybe I'm thinking totally wrong and
> going blindly in wrong direction. I've stopped a few times to ask for
> a direction, but only so much help did I receive.
>
> Please, people, help!
>
> Many thanks in advance. Best regards.