

Re: Vmtune question SOLVED. What is NaNQ%?

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2004-12/0299.html>

From: Andrew Townsend (Andrew.Townsend_at_BISYS.COM)

Date: 12/28/04

Date: Tue, 28 Dec 2004 14:08:07 -0500
To: aix-l@Princeton.EDU

Initially, I was reading

<http://www.mppmu.mpg.de/computing/AIXuser/xlf-fltrap.html> which refers to fortran on AIX. A quote from there says "It is default on AIX that an invalid floating-point number given as NaNQ (Not A Number) and the program continues running without any exception handling." which scared the heck out of me. So I did an lppchk ?v to see if I was missing something that may affect the output. As it turns out, my version of bos.adt.samples was back-level. I was at 5.1.0.35. I upgraded it to 5.1.0.55, rebooted, and it was all good. I could make the necessary changes at the command line, and make them permanent in the inittab. Why bos.adt.samples? The which_fileset command said it resides there. Why would IBM put the vmtune command in bos.adt.samples?

Holger.VanKoll@SW
ISSCOM.COM To: aix-l@Princeton.EDU
Sent by: IBM AIX cc:
Discussion List Subject: Re: Vmtune question. What is NaNQ% ?
<aix-l@Princeton.
EDU>

12/28/2004 01:07
PM
Please respond to
IBM AIX
Discussion List

i dont know what the q means, some further distinction
here is a bit stuff about that:

http://www.unm.edu/cirt/introductions/aix_xlfortran/xlflrm26.htm

afaik means as far as i know,
<http://www.geocities.com/SouthBeach/Lagoon/9819/acronyms.html>

-----Original Message-----

From: IBM AIX Discussion List [mailto:aix-l@Princeton.EDU] On Behalf Of
JOSEPH KREMBLAS
Sent: Tuesday, December 28, 2004 6:38 PM

AIX-L: Re: Vmtune question SOLVED. What is NaNQ%?

To: aix-1@Princeton.EDU
Subject: Re: Vmtune question. What is NaNQ% ?

What does 'afaik' mean?

-----Original Message-----

From: IBM AIX Discussion List [mailto:aix-1@Princeton.EDU] On Behalf Of
Holger.VanKoll@SWISSCOM.COM
Sent: Tuesday, December 28, 2004 9:47 AM
To: aix-1@Princeton.EDU
Subject: Re: Vmtune question. What is NaNQ% ?

nan means "not a number", inf (afaik) = infinitive

you should check if your vmtune is correct for you os/kernelversion

-----Original Message-----

From: IBM AIX Discussion List [mailto:aix-1@Princeton.EDU] On Behalf Of
Andrew Townsend
Sent: Tuesday, December 28, 2004 7:39 AM
To: aix-1@Princeton.EDU
Subject: Vmtune question. What is NaNQ% ?

I am trying to change a few of the tuning parameters on our AIX5.1 ML3
p660 running in 64bit mode for the dba. When I view the current settings
using vmtune (and/or vmtune64), I see a value for numclient as NaNQ%.
What does this mean?

number of valid memory pages = 3145712 maxperm=INF% of real memory
maximum pinable=80.0% of real memory minperm=INF% of real memory
number of file memory pages = 0 numperm=NaNQ% of real memory
number of compressed memory pages = 11127 compressed=INF% of real
memory
number of client memory pages = 0 numclient=NaNQ% of real memory
of remote pgs sched-pageout = 0 maxclient=INF% of real memory

When I try to change the settings for maxclient using vmtune, it also
goes into a NaNQ%. If I then try to change the maxperm and minperm, they
go into a NaNQ% and the system hangs and requires a hard reboot. The dba
recomended the settings for minperm=2% and maxperm=3%. This box is
running the database only and no other applications.

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