

Re: XP very slow to write data in a W2k share

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-02/msg00461.html

- *From:* "Mak" <nospam@xxxxxxxxxx>
 - *Date:* Fri, 10 Feb 2006 14:02:30 +1100
-

OK. I have one question: what's with this number: "In all cases, the creatfil.exe process is under the 25Mb/s." ?
What is it BTW, MByte per sec or Mbit per sec? (would be very strange if it is Mega Byte, but I'll let you explain first). And why it has to be 25?

"Laurent Dumont" <utilisateur@xxxxxxxxxxxx> wrote in message
<news:%23Lsh4UXLGHA.3272@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Thank you Mak for your answers,
For the server and the W2k workstation, i can change parameters, but they are very high use computers, and very importants for us... Peoples that working with that will not be able to undertand that i have some test to do, because they said "it work now, it's XP that doest not work!"
So I do what I can do...

Im' trying other files transferts, and i will let you know.

Laurent

"Mak" <nospam@xxxxxxxxxx> a écrit dans le message de news:
<uKN%23KNRNLGHA.3732@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi Laurent,
in-line replies:

"Laurent Dumont" <utilisateur@xxxxxxxxxxxx> wrote in message
<news:uGSYfjLLGHA.3164@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hello,
actually here is the situation:

Server NIC | Switch Port | Switch Port | Workstation
100/full | 100/Full | 100/Full | W2k 100/Full

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=> I can not change it, and it works fine

Curious: why can't you change that? Obviously someone did, default is Auto / Auto.

You can run the test NIC – switch port – switch port – NIC between 2 XP machines (from your original post you have 2 of them).

Auto should perform somewhat better in this case, you have 1Gbit/s switch and NICs (cables are OK too I hope).

Here are the tests for XP workstation:

| Auto/Auto | Auto/Auto

Case1

| Auto/Auto | 100/Full

Case 2

| Auto/Auto | 100/Half 3

| Auto/Auto | 1Gb/Full 4

| 100/Full |

Auto/Auto 5

| 100/Full | 100/Full

6

| 100/half |

Auto/Auto 7

| 100/half | 100/half

8

| 1Gb/Full |

Auto/Auto 9

| 1Gb/Full | 1Gb/Full

Case 10

Case 1 2 3 4 5

6 7 8 9 10

Create file 23,37 19,83 18,66 16,37 13,64 16,82

17,50 14,78 16,30 10,94

Upload file 34,74 5,78 48,67 33,91 14,76 48,76

50,83 45,04 32,98 32,07

Download file 58,78 0,38 42,59 36,26 33,21 39,51

38,88 38,62 36,10 30,35

All results are in Mb/s

Sorry for the display, but it is not easy ;)

not to worry, it's fine

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I also had collisions in case 2, Deferred Tx in cases 2,3,7,8 and Rx errors in cases 3,5,7,8.

I see some variations (as expected in tests), but 3, 7 and 8 for example should (theoretically) produce 'same' (within test variation margin) results.

Forcing 100/Full is not supported, as I said in IEEE standard, forcing 1Gbit/s is not even mentioned, exchange capabilities between 2 partners on 1Gbit/s must happen only in Auto detect (or subset – Auto–negotiate to accept only 1Gbit/s partner): – hence, tests 9 and 10 are sort of 'not needed', because it's not designed to work in 'this' condition.

You might want to copy large file / bunch of small files from machine to machine. One note on Auto: it is fully hardware, no driver involved, whether when you set something manually, negotiation restarts, according to the driver (your XP driver might be different to 2k).

The switch is a procurve 2824 (j4903a / i.08.62) and the lan adapter is an intel 1000MT (built in).

In all cases, the creatfil.exe process is under the 25Mb/s.

If you have any ideas....

Thanks,
Laurent

"Mak" <nospam@xxxxxxxxxx> a écrit dans le message de news:

%23c0h2k7KGHA.1832@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Laurent, you are missing the point here.
If you absolutelly need to force, instead of using standard Auto / Auto, you will have to force to 100/Half. Your 100/Full is not supported, wrong settings, duplex mismatch.
From the disription of your problem: ftp works, test works, real world – doesn't (if you would use IPX – it will work too, IPX is more forgiven to duplex mismatch).

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You have to set NIC – switch port – switch
port – NIC to Auto / Auto –
have you tried that yet?

"Laurent Dumont"

<utilisateur@xxxxxxxxxxxx> wrote in
message

news:%239xyTX7KGHA.2300@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hello,
Alex, you can put all
interfaces to auto speed and
duplex or force it
in a specific speed/duplex
by going in your network
interface
properties (computer
manager / devices manager /
network cards or
something like that, i'm
working on french OS).
For the switch, it depends
on your equipment.

Mak, in my case, i've tried
many combinations, the
server and the W2k
wks are forced to 100/full,
the switch interfaces are
forced to.
For the XP wks, i get the
betters performances by
forcing everything
to 100/full... So I it done,
but do not solve the issue...

I'm waiting for other ideas,
and no, it is not the QoS
bandwith
reservation that is limiting...

Thanks,

Laurent

"Alex Chan"

Re: XP very slow to write data in a W2k share

<xchiwi@xxxxxxxxxxxxxx>

a écrit dans le message de

news:

1345DA38-2056-4385-88E0-A38F432934AD@xxxxxxxxxxxxxxxxxx

I also have
similar
problems
with
accessing
files and
printing
from
W2k
accessing a
XP
workstation
with its
printing
resources
shared and
files
shared!

Where do I
find or how
do I set
"Put_all_interfaces"
that you
talk
about
below?
How do I
know what
it is at the
moment?

--

Chiwi

"Mak"
wrote:

Put
all
interfaces
to
Auto
/

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Auto
for
speed
/
duplex.

"Laurent
Dumont"
<utilisateur@xxxxxxxxxxxx>
wrote
in
message
news:efGlz7yKGHA.2304@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hello,
after
many
times
exploring
newsgroups,
forums
and
Ms
KB,
without
any
answer,
I
finally
submit
you
this
case...

I
certainly
missed
something....

Here
is
the
case:

–
1
W2k
sp4
server,
AD
domain

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member,
2
interfaces,
1
in
AD
side
(172.30.xx.xx),
the
other
on
a
private
subnet
(a
workgroup/192.168.xx.xx).

–
2
W2k
sp4
workstations
in
the
private
subnet
–
2
XP
sp2
workstations
in
the
private
subnet,
i
have
to
replace
the
W2k
with
it...

These
computers
are
link
by
a
switch
with

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all
interfaces
forced
to
100Mb
/
full
duplex.
A
local
account
is
created
on
the
5
computers,
as
local
user
on
workstations,
and
to
grant
permissions
to
the
shares
on
the
server.

On
the
workstations,
a
software
reads
files
on
the
share,
an
operator
modify
them,
and
they
are
rewrited

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on
a
another
directory
of
the
share.

Under
W2k,
everything
seems
to
be
ok,
but
under
XP,
the
software
becomes
very,
very
slow.

The
hardware
does
not
seem
to
be
the
trouble...
The
workstations
are
all
some
Dell
Precision
Workstations
2Ghz
for
W2k
and
3Ghz
for
XP,
with
intel

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chipset
for
the
lan.

When
using
"netperfs"
to
test
the
lan,
i
get
between
75
and
85
Mb/s
for
a
100Mb/s
link,
so
that's
not
so
bad.
When
testing
FTP
transfert,
i
get
some
equivalents
résultats
under
W2k
and
XP.

As
soon
as
we
use
the
windows
copy
system

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(event
in
command
line),
the
XP
performances
are
falling.

I
made
some
testing
with
command
line
tools
for
the
resources
kits:

–
Creatfil,
to
have
dummy
files
(512Ko,
1Mo,
10Mo,
100Mo)

–
Timethis,
to
have
running
times.

Here
is
a
shot
details
of
tests:

–
upload
from
server

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to
XP
=>
Ok
(>68
Kb/s)
-
download
from
XP
client
=>
Ok
(>65Kb/s)

upload
from
W2k
client
=>
Ok
(>60
Kb/s)
upload
from
XP
client
=>
NOT
OK!
(<35
Kb/s)

I
saw
many
KB
articles,
talking
about
SMB
traffic
(C/R
transact
-
KB
330929),
or
many
other
KB

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articles
(885198
/
301952
/
311169
/
831129
/
825433
/
326826
/
328890
/
812661...),
but
no
one
seems
to
answer
to
my
question.

Some
news
posts
are
talking
about
"Webclient"
service,
but
it
is
not
significant.

I
have
to
change
theses
W2k
worstations,
but
it
is

Re: XP very slow to write data in a W2k share

not
possible
with
so
poor
performances,
so
any
help
would
be
appreciated

Thanks,

Laurent