

# Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

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*Source:*

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.group\\_policy/2006-05/msg00346.html](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.group_policy/2006-05/msg00346.html)

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- *From:* <[benblackmore@xxxxxxxxxxxxxxxxxxxx](mailto:benblackmore@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 20 May 2006 22:49:47 +0100
- 

Hi Vincent,

Thank you for looking into this for me. It is much appreciated.

I guess I will have to find another way to run Defrag. Maybe create a local admin user, that has limited rights, then give our users the password, and tell them to use the 'Runas' command? I've explained to them that they probably spend more time defragging once a month, than they save doing it, (although one user does payroll, and at the end of each month she can leave her PC for a few hours and do paper work, so she's happy to let it defrag), having said that my manager did a defrag last week, and it halved his outlook loading time, so I guess it does help in some cases.

Many thanks

Ben

"Vincent Xu [MSFT]" <[v-xuwen@xxxxxxxxxxxxxxxxxxxx](mailto:v-xuwen@xxxxxxxxxxxxxxxxxxxx)> wrote in message [news:J7IOP2xeGHA.5432@xxxxxxxxxxxxxxxxxxxx](mailto:news:J7IOP2xeGHA.5432@xxxxxxxxxxxxxxxxxxxx)

Hi Ben,

I performed some deep research in our internal resource.

However, unfortunately in windows xp, we cannot give non-administrators the rights to run disk defragmentation via the "perform volume maintenance tasks" user right. In another word, in windows 2000 and windows xp, only administrator can run disk defragment. It is because Disk Defragmenter was designed primarily for stand-alone workstations or servers whose users have the ability to log on locally with administrator privileges. Disk Defragmenter is not intended to be a tool for administrators to maintain networked workstations.

Sorry for any inconvenience. However, it is by design. I saw the article you

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mentioned but it appears to be a little inaccurate.

Best regards,

Vincent Xu  
Microsoft Online Partner Support

=====  
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=====

-----  
Reply-To: <benblackmore@xxxxxxxxxxxxxxxxxxx>  
From: <benblackmore@xxxxxxxxxxxxxxxxxxx>  
References:  
<eIaF7SPdGHA.4892@xxxxxxxxxxxxxxxxxxxxxxxx>

<L6udnfPLJc5NEf7ZRvN-vA@xxxxxxxxxxx>  
<OzsqPRCeGHA.2068@xxxxxxxxxxxxxxxxxxxxxxxx>  
<ziXYXsleGHA.220@xxxxxxxxxxxxxxxxxxxxxxxx>

Subject: Re: Can't Run Defrag – Even with 'Perform Volume Maintenance'

Set

Date: Thu, 18 May 2006 16:59:17 +0100

Lines: 185

X-Priority: 3

X-MSMail-Priority: Normal

X-Newsreader: Microsoft Outlook Express 6.00.2900.2869

X-RFC2646: Format=Flowed; Original

X-MimeOLE: Produced By Microsoft MimeOLE

V6.00.2900.2869

Message-ID:

<OG4xFQpeGHA.536@xxxxxxxxxxxxxxxxxxxxxxxx>

Newsgroups: microsoft.public.windows.group\_policy

NNTP-Posting-Host:

host217-37-28-250.in-addr.btopenworld.com

217.37.28.250

Path:

TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP01.phx.gbl!TK2MSFTNGP02.phx.gbl

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

Xref: TK2MSFTNGXA01.phx.gbl  
microsoft.public.windows.group\_policy:20721  
X-Tomcat-NG: microsoft.public.windows.group\_policy

Hi Vincent,

Still no further.

User who can't run defrag has these privileges (shown by whoami /all)

- (O) SeManageVolumePrivilege = Perform volume maintenance tasks
- (X) SeChangeNotifyPrivilege = Bypass traverse checking
- (O) SeSystemtimePrivilege = Change the system time
- (O) SeShutdownPrivilege = Shut down the system
- (O) SeProfileSingleProcessPrivilege = Profile single process
- (X) SeUndockPrivilege = Remove computer from docking station
- (X) SeCreateGlobalPrivilege = Create global objects

User who can run defrag has these

- (O) SeManageVolumePrivilege = Perform volume maintenance tasks
- (X) SeChangeNotifyPrivilege = Bypass traverse checking
- (O) SeShutdownPrivilege = Shut down the system
- (X) SeUndockPrivilege = Remove computer from docking station
- (O) SeSecurityPrivilege = Manage auditing and security log
- (O) SeBackupPrivilege = Back up files and directories
- (O) SeRestorePrivilege = Restore files and directories
- (O) SeSystemtimePrivilege = Change the system time
- (O) SeRemoteShutdownPrivilege = Force shutdown from a remote system
- (O) SeTakeOwnershipPrivilege = Take ownership of files or other objects
- (O) SeDebugPrivilege = Debug programs
- (O) SeSystemEnvironmentPrivilege = Modify firmware environment values
- (O) SeSystemProfilePrivilege = Profile system performance
- (O) SeProfileSingleProcessPrivilege = Profile single process
- (O) SeIncreaseBasePriorityPrivilege = Increase scheduling priority
- (X) SeLoadDriverPrivilege = Load and unload device drivers
- (O) SeCreatePagefilePrivilege = Create a pagefile
- (O) SeIncreaseQuotaPrivilege = Adjust memory quotas for a process
- (X) SeCreateGlobalPrivilege = Create global objects
- (X) SeImpersonatePrivilege = Impersonate a client after

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authentication

Both have '(O) SeManageVolumePrivilege = Perform volume maintenance

tasks'

set the same, both are members of the same groups. Can't see why it works for one, and not the other.

Ben

"Vincent Xu [MSFT]"

<v-xuwen@xxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:ziXYXsleGHA.220@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ziXYXsleGHA.220@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi Ben,

Just wondering how is everything going.

Regarding SP3, so far I have no idea. Microsoft will publish the news if SP2 will be released.

Have a good day.

Best regards,

Vincent Xu  
Microsoft Online Partner Support

=====  
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Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

-----  
Reply-To:  
<benblackmore@xxxxxxxxxxxxxxxxxxxx>  
From:  
<benblackmore@xxxxxxxxxxxxxxxxxxxx>  
References:  
<eIaF7SPdGHA.4892@xxxxxxxxxxxxxxxxxxxx>

<L6udnfPLJc5NEf7ZRVn-vA@xxxxxxxxxxxx>

Subject: Re:  
Can't Run  
Defrag –  
Even with  
'Perform  
Volume  
Maintenance'  
Set  
Date: Mon,  
15 May  
2006  
14:34:34  
+0100  
Lines: 69  
X-Priority:  
3  
X-MSMail-Priority:  
Normal  
X-Newsreader:  
Microsoft  
Outlook  
Express  
6.00.2900.2869  
X-MimeOLE:  
Produced  
By  
Microsoft  
MimeOLE  
V6.00.2900.2869  
X-RFC2646:  
Format=Flowed;  
Response  
Message-ID:  
<OzsqPRCeGHA.2068@xxxxxxxxxxxxxxxxxxxx>  
Newsgroups:

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

microsoft.public.windows.group\_policy,microsoft.public.windowsexp.security\_ad

min

NNTP-Posting-Host:

host217-37-28-250.in-addr.btopenworld.com

217.37.28.250

Path:

TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP01.phx.gbl!TK2MSFTN

Xref:

TK2MSFTNGXA01.phx.gbl

microsoft.public.windowsexp.security\_admin:184405

microsoft.public.windows.group\_policy:20645

X-Tomcat-NG:

microsoft.public.windows.group\_policy

Hi Steve,

Thanks for  
the  
information.  
I will give it  
a try and let  
you know.

Bit of a pain  
that this  
doesn't  
work as  
expected, I  
wonder if  
MS will

fix

it

in SP3!?

Interestingly,  
another  
user, who is  
not local  
admin,  
WAS able  
to run a  
defrag over  
the  
weekend, so

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it seems this  
policy  
setting  
works

sometimes,

but not all  
the time!

Ben

"Steven L  
Umbach"

<n9rou@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in  
message

[news:L6udnfPLJc5NEf7ZRVn-vA@xxxxxxxxxxxxxxxx](mailto:news:L6udnfPLJc5NEf7ZRVn-vA@xxxxxxxxxxxxxxxx)

Apparently  
that  
user  
right  
does  
not  
work  
as  
expected  
as  
I  
have  
seen

the

same.  
What  
you  
could  
try  
is  
to  
use  
the  
command  
line  
tool  
defrag  
to

run

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in

schedule  
using  
the  
AT  
command  
of  
Scheduled  
Task.  
For  
instance  
try

the

command  
[  
AT  
22:00  
/interactive  
defrag  
c:  
-v  
]  
on  
a  
users  
computer

while

logged  
on  
as  
an  
administrator  
and  
use  
a  
time  
that  
is  
in  
the  
future

while

the  
user

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is  
logged  
on  
to  
see  
if  
it  
works  
or  
not.  
You  
can  
also  
use

schtasks

to  
do  
Scheduled  
Tasks  
on  
a  
computer  
and  
make  
it  
part  
of  
a  
Group

Policy

"startup"  
script  
if  
you  
have  
a  
large  
number  
of  
computers  
you  
want  
to  
deploy  
it  
on.  
For

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

defrag  
you  
might  
want  
to  
try  
that  
and  
use  
the

system

account  
to  
run  
the  
task.  
---  
Steve

<http://www.microsoft.com/resources/documentation/windows/xp/all/proddocs/en-us/schtasks.msp?mfr=true>

---  
schtasks  
<http://support.microsoft.com/default.aspx?scid=kb:en-us:313>  
---

AT

command  
use

<benblackmore@xxxxxxxxxxxxxxxxxxxx>  
wrote  
in  
message  
<news:e1aF7SPdGHA.4892@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi,

A  
while  
ago  
we

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

removed  
our  
users  
from  
the  
local  
admins  
group,

leaving

them  
just  
as  
normal  
users,  
as  
they  
were  
installing  
non-corporate  
software.  
We  
found  
out  
after  
that  
some  
of  
the  
users  
like  
to  
run

Defrag

on

a  
monthly  
basis,  
which  
became  
restricted  
when  
they  
were  
removed  
from

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the

admins  
group.

As  
we  
have  
no  
problem  
with  
this  
we  
edited  
the  
group  
policy  
under  
"Computer  
Configuration\Windows  
Settings\Security  
Settings\Local  
Policies\User  
Rights  
Assignments"  
to  
give  
'Domain  
Users'  
the

'Perform

volume  
maintenance  
tasks'  
right,  
which  
according  
to  
<http://tinyurl.com/ks6s8>  
"Determines  
which  
users  
and  
groups  
have  
the  
authority  
to  
run

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

volume  
maintenance  
tasks,  
such  
as  
Disk  
Cleanup  
and

Disk

Defragmenter".

However,  
after  
a  
number  
of  
reboots,  
and  
forced  
GP  
refreshes,  
the

users

still  
can't  
perform  
a  
defrag.  
I  
have  
run  
RSOP  
and  
it  
shows  
that  
the  
policy  
is  
applied,  
and  
the  
users  
should  
be  
able  
to

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perform  
volume  
maintenance.

Is  
there  
a  
bug  
in  
Defrag  
or  
the  
Policy,  
that  
is  
stopping  
it  
being  
applied?

Or  
am  
I  
adding  
the  
wrong  
user  
group?  
I've  
tried

'Authenticated

Users',  
specific  
security  
groups,  
such  
as  
Sales,  
Accounts  
etc  
and

even

individual  
users,  
nothing  
works.

We're  
running

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

Re: Can't Run Defrag – Even with 'Perform Volume Maintenance' Set

Windows  
XP  
Pro  
SP2,  
in  
a  
Windows  
2003  
native  
domain  
environment.

Any  
advice,  
greatly  
received

Ben