

RE: HeapDecommitFreeBlockThreshold

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-04/msg03193.html>

- *From:* StoreThomas <StoreThomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 19 Apr 2006 23:23:03 -0700
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Hi Jenny!

Many thanx for your answer, I'll look into it asap :)

Best Regards
Thomas

""Jenny wu [MSFT]"" wrote:

Hi Thomas,

Thanks for using the SBS newsgroup.

From your description, I understand that you want to know how to optimize the Exchange server and what the value should be set to the registry key: HeapDecommitFreeBlockThreshold. If I am off base, please don't hesitate to let me know.

Yes, It is recommended that we set the registry key
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager
HeapDeCommitFreeBlockThreshold = REG_DWORD 0x00040000

Note: If On computers that have less than one gigabyte of RAM, do not use the HeapDecommitFreeBlockThreshold registry key unless intense memory fragmentation is occurring.

Please take look at the following article to get more detail information:

315407 XADM: The "HeapDecommitFreeBlockThreshold" Registry Key
<http://support.microsoft.com/?id=315407>

Also there are other optimization methods you can use:

1) Set msExchESEParamCacheSizeMax = 147456 (this will set the cache to 576mbs) See:

266768 XSTR: How to Modify the Store Database Maximum Cache Size

RE: HeapDecommitFreeBlockThreshold

<http://support.microsoft.com/?id=266768>

2) Set MsExchESEParamLogBuffers = 500 (refer to the above article to find the property)

3) Set MsExchESEParamMaxOpenTables = 27600

4) Go to the following key, create or modify the value outlined:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSExchangeIS\Parameters System

Value Name: Initial Memory Percentage

Value Type: REG_DWORD

Value Data: 0xa

More information:

815372 How to Optimize Memory Usage in Exchange Server 2003

<http://support.microsoft.com/?id=815372>

For more methods to optimize the virtual memory usage, you can check the following article:

How to troubleshoot virtual memory fragmentation in Exchange Server 2003 and Exchange 2000 Server

<http://support.microsoft.com/kb/325044#EHADAAA>

Hope above information helps! I am happy to be of assistance to you and look forward to your reply.

Have a nice day!

Sincerely,

Jenny Wu

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This newsgroup only focuses on SBS technical issues. If you have issues regarding other Microsoft products, you'd better post in the corresponding newsgroups so that they can be resolved in an efficient and timely manner.

You can locate the newsgroup here:

<http://www.microsoft.com/communities/newsgroups/en-us/default.aspx>

When opening a new thread via the web interface, we recommend you check the "Notify me of replies" box to receive e-mail notifications when there are any updates in your thread. When responding to posts via your newsreader, please "Reply to Group" so that others may learn and benefit from your issue.

RE: HeapDecommitFreeBlockThreshold

Microsoft engineers can only focus on one issue per thread. Although we provide other information for your reference, we recommend you post different incidents in different threads to keep the thread clean. In doing so, it will ensure your issues are resolved in a timely manner.

For urgent issues, you may want to contact Microsoft CSS directly. Please check <http://support.microsoft.com> for regional support phone numbers.

Any input or comments in this thread are highly appreciated.

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Thread-Topic: HeapDecommitFreeBlockThreshold
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X-WBNR-Posting-Host: 80.197.29.194
From: =?Utf-8?B?U3RvcnVUaG9tYXM=?=
<StoreThomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
Subject: HeapDecommitFreeBlockThreshold
Date: Wed, 19 Apr 2006 03:39:01 -0700
Lines: 13
Message-ID:
<89EE700F-06D2-4E75-BEAE-0DFAC0B81BC1@xxxxxxxxxxxx>
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charset="Utf-8"
Content-Transfer-Encoding: 7bit
X-Newsreader: Microsoft CDO for Windows 2000
Content-Class: urn:content-classes:message
Importance: normal
Priority: normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.1830
Newsgroups: microsoft.public.windows.server.sbs
Path: TK2MSFTNGXA01.phx.gbl
Xref: TK2MSFTNGXA01.phx.gbl
microsoft.public.windows.server.sbs:261478
NNTP-Posting-Host: TK2MSFTNGXA01.phx.gbl 10.40.2.250
X-Tomcat-NG: microsoft.public.windows.server.sbs

Hi!

Ok, I've found out by reading this forum that it is not recommended to set the 3GB and USERVA=3030 switches on my SBS2003SP1 server with 2GB of RAM,

but

what about the HeapDecommitFreeBlockThreshold = 0x00040000 (HEX)
that the
Exchange Best Practices Tool recommends me to set? Is that recommended?

RE: HeapDecommitFreeBlockThreshold

We are experiencing some trouble with our Exchange server so I'm looking
in
to optimizations at the moment.

Best Regards
Thomas
Denmark