

How to Configure Named Properties and Replica Identifier Quotas for Exchange 2007 Databases

Applies to: Exchange Server 2007 SP3, Exchange Server 2007 SP2, Exchange Server 2007 SP1

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This topic explains how to use Registry Editor to configure quotas for named properties and replica identifiers for Microsoft Exchange Server 2007 databases. For more information about named properties and replica identifiers and the effect of their limits on Exchange 2007 databases, see [Understanding the Impact of Named Property and Replica Identifier Limits on Exchange Databases¹](#).

Before You Begin

To perform this procedure, the account that you use must be delegated the following:

- Exchange Server Administrator role and local Administrators group for the target server

For more information about permissions, delegating roles, and the rights that are required to administer Exchange 2007, see [Permission Considerations²](#).

Caution:

Incorrectly editing the registry can cause serious problems that may require you to reinstall your operating system. Problems resulting from editing the registry incorrectly may not be able to be resolved. Before editing the registry, back up any valuable data.

Procedure

To use the Exchange Management Shell to determine the GUID of the database that you want to configure

- Run the following command to determine the GUID of the mailbox database that you want to configure. The sample returns the GUID of the mailbox database MBX1 on server Server01.

```
Get-MailboxDatabase -Identity "Server01\MBX1" | Format-List GUID
```

- Run the following command to determine the GUID of the public folder database that you want to configure. The sample returns the GUID of the public folder database PF1 on server Server02.

```
Get-PublicFolderDatabase -Identity "Server02\PF1" | Format-List GUID
```

Note:

Because you can only have one public folder database per server, you do not have to determine the GUID for a public folder database. There will be only one entry in the server's registry with the database type **Public**.

To use Registry Editor to configure quotas for named properties and replica identifiers for an Exchange 2007 database

1. Start Registry Editor, and then connect to the registry of the server where the database that you want to configure resides.
2. Locate the following registry subkey:

**HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSExchangeIS
\<Server Name>\<Database Type-GUID>**

The database type will be **Private** for a mailbox database and **Public** for a public folder database. For example, assume that you have a mailbox database named Mailbox Database 1 with GUID 00000000-0000-0000-0000-00000000 on the Exchange server Server01. To configure quotas for this mailbox database, locate the following registry key:

**HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSExchangeIS
\Server01\Private-00000000-0000-0000-0000-00000000**

3. Configure the quota for the named properties. To do this, follow these steps:
 - a. Right-click **<Database Type-GUID>**, and then select **New | DWORD value**.
 - b. Name the new DWORD value **Named Props Quota**.
 - c. Right-click **Named Props Quota**, and then click **Modify**.
 - d. In the **Value data** text box, enter a positive integer between 1 and 0x7FFF, and then click **OK**.

Note:

You can also enter a decimal value in the **Value data** text box. To enter a decimal value, you must first select **Decimal** for the **Base** option. The valid decimal values are between 1 and 32767.

4. Configure the quota for the non-MAPI named properties. To do this, follow these steps:
 - a. Right-click **<Database Type-GUID>**, and then select **New | DWORD value**.
 - b. Name the new DWORD value **NonMAPI Named Props Quota**.
 - c. Right-click **NonMAPI Named Props Quota**, and then click **Modify**.
 - d. In the **Value data** text box, enter a positive integer between 1 and 0x7FFF, and then click **OK**.

Note:

You can also enter a decimal value in the **Value data** text. To enter a decimal value, you must first select **Decimal** for the **Base** option. The valid decimal values are between 1 and 32767.

5. Configure the quota for the replica identifiers. To do this, follow these steps:
 - a. Right-click **<Database Type-GUID>**, and then select **New | DWORD value**.
 - b. Name the new DWORD value **Replids Quota**.
 - c. Right-click **Replids Quota**, and then click **Modify**.
 - d. In the **Value data** text box, enter a positive integer between 1 and 0x7FFF, and then click **OK**.

Note:

You can also enter a decimal value in the **Value data** text box. To enter a decimal value, you must first select **Decimal** for the **Base** option. The valid decimal values are between 1 and 32767.

6. Dismount the database for which you configured the named properties and replica identifier quotas. For detailed steps about dismounting databases, see [How to Dismount a Database](#)³.
7. Remount the database. For detailed steps about mounting databases, see [How to Mount a Database](#)⁴.

Note:

You must complete all the steps in this procedure to configure the named properties. Make sure that you configure the quota for the named properties, the quota for the non-MAPI named properties, and the quota for the replica identifiers.

Note:

For more information about the Exchange 2007 defaults for quota limits, see the "For More Information" section in this topic.

For More Information

The **Named Props Quota**, **NonMAPI Named Props Quota**, and **Replids Quota** registry values are effective in Exchange 2003.

For more information about how to manage databases, see [Managing Storage Groups and Databases](#)⁵.

To learn more about the security and protection features in Exchange 2007, see [Security and Protection](#)⁶.

Exchange 2007 defaults for quota limits

Registry Name	Default quota limits
Named Props Quota	16K
NonMAPI Named Props Quota	8K
Replids Quota	8K

Links Table

¹ [http://technet.microsoft.com/en-us/library/bb851492\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/bb851492(v=EXCHG.80).aspx)

² [http://technet.microsoft.com/en-us/library/aa996881\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/aa996881(v=EXCHG.80).aspx)

³ [http://technet.microsoft.com/en-us/library/bb123903\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/bb123903(v=EXCHG.80).aspx)

⁴ [http://technet.microsoft.com/en-us/library/bb123587\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/bb123587(v=EXCHG.80).aspx)

⁵ [http://technet.microsoft.com/en-us/library/aa998926\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/aa998926(v=EXCHG.80).aspx)

⁶[http://technet.microsoft.com/en-us/library/aa996775\(v=EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/aa996775(v=EXCHG.80).aspx)

Community Content

Also Applies to Exchange 2003

You still need to find the GUID, you can do this by going to ADSIEdit.msc.

Expand Configuration, Services, Microsoft Exchange, Organization Name, Administration Groups, Your Admin Group Name, Servers, Your Server, Your Storage Group.

Right click the Message Store in that group and look for ObjectGUID. This is written backwards from the Registry key.

Example

Private-12345678 in the registry Will be written as 0x78 0x56 0x34 0x12 in the ADSIEdit ObjectGUID

You can use the following article to match the objectGUID to the proper registry key:

<http://support.microsoft.com/kb/899663/en-us>

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For Exchange 2003 you can also use "Exchange System Manager" or "Users and Computers" to find the GUID for a particular database.

If you need to find the GUID of a database so you know the right registry key to go into, use ESM. Navigate to the database in question and display the mailboxes it contains. There will be 2 mailboxes in each database that display the GUID:

SMTP (ServerName-{ GUID}

SystemMailbox{ GUID}

In reverse, if you want to find which registry key relates to which database, using ESM and browsing through each database to look at the mailboxes can be slow. Open up "Users and Computers" instead, expand the "Microsoft Exchange System Objects" container and you'll find all the SystemMailbox{ GUID} user accounts associated with the system mailboxes in your databases. Open the properties on the account that contains the GUID you're interested in, the Mailbox Store is shown on the "Exchange General" tab.

4/12/2010

Sunlighter13



7/18/2008

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Duplicates!

>This instruction has some duplicates

>If you click [+] on followings it will display duplicate information.

>"To use the registry editor to configure quotas for named properties and replica identifiers for an Exchange 2007 database"


>"To use the Exchange Management Shell to determine the GUID of the database you want to configure "


Correction to above:

Items 3,4 and 5 appear to be duplicates at first glance but in fact refer to different registry values.

The management shell section deals with Private MBX and Public Folders GUID. Easy to miss.

The bigger question is : How do I strip this stuff out?

12/19/2008 
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Exchange 2007 defaults for quota limits

Named Props Quota – 16K

NonMAPI Named Props Quota – 8K

Replids Quota – 8K

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