

Knowledge Base

How To Create or Move a Global Catalog in Windows 2000

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The information in this article applies to:

- Microsoft Windows 2000 Server
 - Microsoft Windows 2000 Advanced Server
 - Microsoft Windows 2000 Professional
 - Microsoft Small Business Server 2000
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SUMMARY

This article explains how to create a new global catalog server. This may be necessary if you need additional global catalog servers (e.g. to support an Exchange 2000 roll out) or if you want to move the global catalog server role to a different domain controller.

There may be occasions when it is necessary to create a new global catalog to replace an existing one, or to add a new global catalog. Microsoft recommends the following method:

1. Create a new global catalog on a second domain controller.
2. Wait for the account and the schema information to replicate to the new global catalog. For single domains, this is relatively straightforward. For multiple domain networks, full replication will take additional time, depending on the complexity of the network. The new global catalog will be created by normal Active Directory (AD) replication and depending on the structure of your AD forest, this replication could take considerable time.
3. Remove the global catalog from the original domain controller (optional).

By default, Windows 2000 will only place a Global catalog on the first Domain Controller in each AD forest.

To create additional global catalog servers, or to move a global catalog from one domain controller to another, you need to perform these actions manually.

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How to Create a New Global Catalog on the Destination Global Catalog Server

To create a new global catalog:

1. On the domain controller where you want the new global catalog, start the Active Directory Sites and Services snap-in. To start the snap-in, click **Start**, point to **Programs**, point to **Administrative Tools**, and then click **Active Directory Sites and Services**.
2. In the console tree, double-click **Sites**, and then double-click **sitename**.
3. Double-click **Servers**, click your domain controller, right-click **NTDS Settings**, and then click **Properties**.
4. On the **General** tab, click to select the **Global catalog** check box to assign the role of global catalog to this server.
5. Restart the domain controller.

NOTE: Allow sufficient time for the account and the schema information to replicate to the new global catalog server before you remove the global catalog from the original domain controller.

Event 1119 may be logged in the Directory Services log in Event Viewer with a description that states that the computer is now advertising itself as a global catalog server.

In a Windows 2000 domain with only one domain controller, you typically assign the roles of the global catalog and of the operations master (also known as flexible single-master operations or FSMO) to the same domain controller; however, in domains with multiple domain controllers, particularly in forests with multiple domains, it is important to consider the placement of these roles before you assign them. For additional information, click the article number below to view the article in the Microsoft Knowledge Base:

[223346](#) FSMO Placement and Optimization on Windows 2000 Domains

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How to Remove the Global Catalog from the Original Global Catalog Server

To remove the global catalog from the original domain controller:

1. On the domain controller from which you want to remove the global catalog, start the Active Directory Sites and Services snap-in. To start the snap-in, click **Start**, point to **Programs**, point to **Administrative Tools**, and then click **Active Directory Sites and Services**.
2. In the console tree, double-click **Sites**, and then double-click **sitename**.
3. Double-click **Servers**, click your domain controller, right-click **NTDS Settings**, and then click **Properties**.
4. On the **General** tab, click to clear the **Global catalog** check box to remove the role of global catalog from this server.
5. Restart the domain controller.

NOTE: Allow sufficient time for the account and the schema information to replicate to the new global catalog server before you remove the global catalog from the original domain controller.

If you create additional global catalog servers, this may provide quicker responses to user inquiries; however, if you enable additional domain controllers as global catalog servers, this may increase replication traffic on the network. For additional information about directory replication in Windows 2000, click the article number below to view the article in the Microsoft Knowledge Base:

[199174](#) Directory Replication Basics for Windows 2000

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REFERENCES

For additional information about the global catalog, click the article numbers below to view the articles in the Microsoft Knowledge Base:

[257203](#) Common Default Attributes Set for Active Directory and Global Catalog

[232517](#) Global Catalog Attributes and Replication Properties

[229662](#) How to Control What Data Is Stored in the Global Catalog

[248717](#) How to Modify Attributes That Replicate to the Global Catalog

[199174](#) Directory Replication Basics for Windows 2000

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