

"Access is denied" error message when you run a batch job on a Windows Server 2003-based computer

View products that this article applies to.

On This Page

- SYMPTOMS
- CAUSE
- RESOLUTION
- Method 1
- Method 2
- MORE INFORMATION

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SYMPTOMS

When you run a batch job that runs under the context of a regular user account on a Microsoft Windows Server 2003-based computer, the script may not run. If you run the batch job by using the Scheduled Tasks feature, the following error message may be logged in the Scheduled Tasks log file (Schedlg.txt): **0x80070005: Access is denied.** If you use a debugger program to try to determine why the batch job does not work, the following error message may appear in the debug output: **Access Denied (Error 5)**

CAUSE

This issue occurs if all the following conditions are true:

- You run the batch job on a Windows Server 2003-based member server.
- The batch job runs as a non-interactive process.
- The batch job is configured to run under the context of an account that is not a member of the Administrators group.

In Windows Server 2003, the Users group does not have Read and Execute permissions to the command processor (Cmd.exe). By default, the Cmd.exe program has the following permissions settings:

- The Interactive implicit group and the Service implicit group have Read and Execute permissions.

Note On a member server, the TelnetClients group also has Read and Execute permissions. On a domain controller, the Batch implicit group also has Read and Execute permissions.

- The Administrators group and the System implicit group have Full Control permissions.

RESOLUTION

To resolve this issue, use either of the following methods.

Method 1

Grant the Cmd.exe program Read and Execute permissions for the user account that the batch job runs under. To do this, follow these steps:

- Click **Start**, and then click **Windows Explorer**.
- Locate and then right-click the **Cmd.exe** file. The Cmd.exe file is located in the %windir%\System32 folder.
- Click **Properties**.
- Click the **Security** tab.
- Click **Add**.
- In the **Enter the object names to select** box, type the user name that the batch job runs under, and then click **OK** two times.

Note When you add the user, the user is automatically granted Read and Execute permissions.

- Click **Yes** when you are prompted to continue.

Method 2

Grant Read and Execute permissions for the Cmd.exe file to the Batch group. This permits all batch processes to run the command processor. To do this, follow these steps:

- Click **Start**, and then click **Windows Explorer**.
- Locate and then right-click the **Cmd.exe** file. The Cmd.exe file is located in the %windir%\System32 folder.
- Click **Properties**.
- Click the **Security** tab.
- Click **Add**.
- In the **Enter the object names to select** box, type **Batch**, and then click **OK** two times.
- Click **Yes** when you are prompted to continue.

MORE INFORMATION

The behavior that is described in this article is different from the default behavior of Microsoft Windows 2000 Server. By default, Windows 2000 Server grants Read permissions and Execute permissions to the Users group.

For more information about implicit groups, visit the following Microsoft Web sites: <http://technet.microsoft.com/en-us/library/bb726980.aspx> (<http://technet.microsoft.com/en-us/library/bb726980.aspx>) <http://technet.microsoft.com/en-us/library/Bb726982.aspx> (<http://technet.microsoft.com/en-us/library/Bb726982.aspx>)

APPLIES TO

- Microsoft Windows Server 2003, Web Edition
- Microsoft Windows Server 2003, Standard Edition (32-bit x86)
- Microsoft Windows Server 2003, Enterprise Edition (32-bit x86)
- Microsoft Windows Server 2003, Datacenter Edition (32-bit x86)
- Microsoft Windows Server 2003, Enterprise x64 Edition
- Microsoft Windows Server 2003, 64-Bit Datacenter Edition

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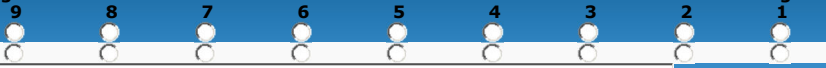
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