DCPROMO does not retain permissions on some IIS folders http://support.microsoft.com/default.aspx?kbid=332097

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**DCPROMO does not retain permissions on some IIS folders**

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SYMPTOMS

When you promote a Microsoft Windows Server 2003 member server to a domain controller, if Internet Information Services (IIS) is installed on the server, you may see the following symptoms:

1. No compressed files are stored in the temporary folder (also known as the cache directory), even though a client that supports HTTP compression has requested them.
2. No files are cached in the ASP Compiled Templates folder.

For security reasons, IIS should not be installed on domain controllers.

CAUSE

The operation that promotes a member server to a domain controller (DCPromo.exe) resets permissions on some folders. The Access Control Lists (ACLs) for three folders are not set correctly during this operation.

MORE INFORMATION

You may also see the following in your application event log:

Source : Active Server Pages

Event ID: 5

Error: The Template Persistent Cache initialization failed for Application Pool" AppPoolName: because of the following error: Could not create a Disk Cache Sub-directory for the Application Pool. The data may have additional error codes:

If you view permissions on the following folders, you will see that the IIS\_WPG and the NT AUTHORITY\NETWORK SERVICE groups do not have permissions on these folders:

*systemroot*\Help\IISHelp\Common

*systemroot*\System32\Inetsrv\ASP Compiled Templates

*systemroot*\IIS Temporary Compressed Files

RESOLUTION

**Manually set permissions on the folders**

1. Click **Start**, click **Windows Explorer**, double-click **My Computer**, double-click the system drive (this is typically drive C), and then double-click **WINDOWS** or **WINNT**.

2. Double-click **Help**, double-click **iisHelp**, right-click **common**, and then click **Sharing and Security**.

3. Click **Security**, click **Add**, type **IIS\_WPG**, and then click **OK**.

4. With **IIS\_WPG** selected, click to select the following check boxes, and then click **OK**:

* + 1. **Read and Execute**
    2. **List Folder Contents**
    3. **Read**

1. Open the **Sharing and Security** dialog box for the *systemroot*\system32\inetsrv\ASP Compiled Templates folder, and then grant Full Control to the IIS\_WPG group.
2. Repeat step 5 for the *systemroot*\IIS Temporary Compressed Files folder.

To manually set the permission for NT AUTHORITY\NETWORK SERVICE, follow these steps:

1. Click **Start**, click **Run**, type **%systemroot%\Help\iisHelp**, and then click **OK**.
2. Right-click the **Common** folder, and then click **Sharing and Security**.
3. On the **Security** tab, click **Add**, type **NETWORK SERVICE**, and then click **OK**.

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4. Click **NETWORK SERVICE**, click to select the following check boxes under **Allow**, and then click **OK**:

1. Read and Execute
2. List Folder Contents
3. Read
4. Click **Start**, click **Run**, type **%systemroot%\system32\inetsrv**, and then click **OK**.
5. Right-click the **ASP Compiled Templates** folder, and then click **Sharing and Security**.
6. On the **Security** tab, click **Add**, type **NETWORK SERVICE**, and then click **OK**.
7. Click **NETWORK SERVICE**, click to select the **Full Control** check box under **Allow**, and then click **OK**
8. Click **Start**, click **Run**, type **%systemroot%**, and then click **OK**.
9. Right-click the **IIS Temporary Compressed** folder, and then click **Sharing and Security**.
10. On the **Security** tab, click **Add**, type **NETWORK SERVICE**, and then click **OK**.
11. Click **NETWORK SERVICE**, click to select the **Full Control** check box under **Allow**, and then click **OK**

After you have completed these steps, restart the IIS Admin Service. To do this, follow these steps:

1. Click **Start**, click **Run**, type **Services.msc**, and then click **OK**.
2. Right-click **IIS Admin**, and then click **Restart**.

STATUS

Microsoft has confirmed that this is a problem in Microsoft Windows Server 2003.

REFERENCES

For more information about HTTP Compression and ASP Template caching, see the product documentation. To view this documentation, visit the following Microsoft Web sites: http://www.microsoft.com/technet /prodtechnol/WindowsServer2003/Library/IIS/5bce429d-c4a7-4f9e-a619-5972497b932a.mspx (http://www.microsoft.com/technet /prodtechnol/WindowsServer2003/Library/IIS/5bce429d-c4a7-4f9e-a619-5972497b932a.mspx) http://www.microsoft.com/technet /prodtechnol/WindowsServer2003/Library/IIS/a9171159-c801-4705-b8a9-9eecf58a892f.mspx (http://www.microsoft.com/technet /prodtechnol/WindowsServer2003/Library/IIS/a9171159-c801-4705-b8a9-9eecf58a892f.mspx) You can also access the product documentation through IIS Manager. For more information about how to access this Help feature, click the following article number to view the article in the Microsoft Knowledge Base: 815127 (http://support.microsoft.com/kb/815127/ ) How to access IIS 6.0 Help documentation

**APPLIES TO**

1. Microsoft Internet Information Server 1.01
2. Microsoft Internet Information Services 6.0

**Keywords:** kbprb kbpending KB332097

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