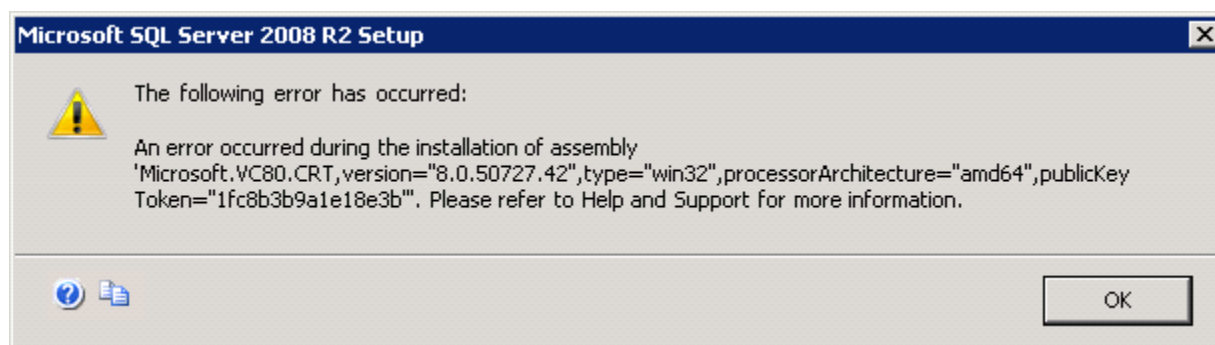




The case of... breaking the WinSXS folder security rights



This was a VM with a somewhat limited amount of space and was trying to compress a few larger folders found with WinDirStat, one of them being %WINDIR%\WinSxS. You can find a lot of forum posts where people complain about it is growing to take a lot of space, and other people telling you to stay away from it. In my case, the folder was about 12.5 GB and compressing it reduced it down to ~8 GB, saving quite a bit of space.

Solution 1

At times you may find that TrustedInstaller.exe give you a lot of Access Denied errors and if you ignore them all it won't compress anything. So I came up with these steps:

- take ownership of the WinSxS folder in Windows Explorer > Properties > Security tab;
- add my user with full rights and propagate the rights to the child objects;
- compress folder (Windows Explorer > Properties > General > Advanced);
- remove my user from the security list;
- give ownership back to TrustedInstaller (NT Service\TrustedInstaller).

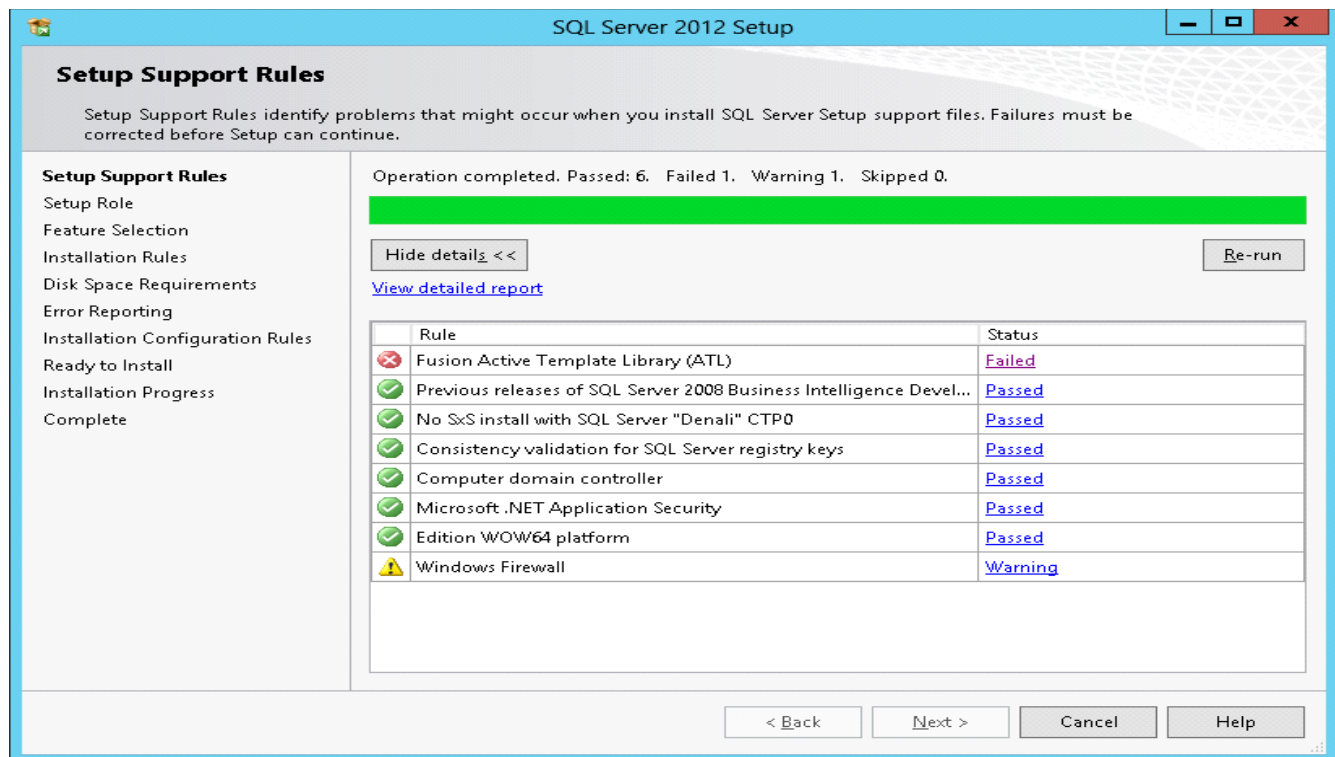
In short this is what happened – normally SYSTEM account has only read/list rights on the WinSxS folder, but on WinSxS\InstallerTemp it has full rights (not inherited). When adding my user and propagating the rights to sub-folders, it changed those full rights to read only, making the module installer fail later.

Solution 2

- Log on to your computer as an administrator.
- Click Start, and then click Run.
- In the Open box, type cmd, and then click OK.
- At the command prompt, type msixec.exe /unregistered, and then press ENTER.
- Type msixec /reg server, and then press ENTER.

Rule “FusionActive Template Library (ATL)” failed at SQL Server 2008 R2 Installation

Please Don't Restart your computer if the following error message shown in Red Color.



These Errors has comes Because of SqlServer setup error or file corrrption error.

Solution 1:

If you have another working installation, you can copy the following two manifest files from the working server to the failing server:

For 32Bit OS, Replace the file to following location from working computer

C:\Windows\winsxs\Manifests\amd64_microsoft.vc80.atl_1fc8b3b9a1e18e3b_8.0.5072.7.4053_none_8a1a02152edb659b.manifest

For 32Bit OS, Replace the file to following location from working computer

- C:\Windows\winsxs\Manifests\x86_microsoft.vc80.atl_1fc8b3b9a1e18e3b_8.0.5072.7.4053_none_d1c738ec43578ea1.manifest

If you don't have another working installation, find and open the files mentioned above and paste the following xml in them:

- **AMD64 Manifest:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- Copyright © 1981-2001 Microsoft Corporation -->
<assembly xmlns="urn:schemas-microsoft-com:asm.v1"
manifestVersion="1.0">
<noInheritable/>
<assemblyIdentity type="win32" name="Microsoft.VC80.ATL"
version="8.0.5072.7.4053" processorArchitecture="amd64"
publicKeyToken="1fc8b3b9a1e18e3b"/>
<file name="ATL80.dll"
hash="99840dcc34e78af239d80841eba316c184e407cd"
hashalg="SHA1"/>
</assembly>
```

- **X86 Manifest:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- Copyright © 1981-2001 Microsoft Corporation -->
<assembly xmlns="urn:schemas-microsoft-com:asm.v1"
manifestVersion="1.0">
<noInheritable/>
<assemblyIdentity type="win32" name="Microsoft.VC80.ATL"
version="8.0.50727.4053" processorArchitecture="x86"
publicKeyToken="1fc8b3b9a1e18e3b"/>
<file name="ATL80.dll" hash="6d7ce37b5753aa3f8b6c2c8170011b000bbed2e9"
hashalg="SHA1"/>
</assembly>
```

After that, Restart SqlServer Setup (If running please close first)

Note: You probably need to change the permissions for those files to be able to overwrite them.

To do so, go to the **file properties**, **Security** tab, **Advanced**, **Owner** tab, **Edit**, Select the Administrators group and click on OK button three times until all windows are closed. Reopen the **properties** for the **file**, **Security** tab, **Edit**, Select the **Administrators group** and select the **Full Control**.

SOLUTION 2:

Go to setup media (Extracted Location) and install this package and it'll be solved after a restart ;-

32bit: DVD\1033_ENU_LP\x86\Setup\sqlsupport_msi\sqlsupport.msi

64bit: DVD\1033_ENU_LP\x64\Setup\sqlsupport_msi\sqlsupport.msi

Fixing the Error - "ASN Bad Tag Value Met"

1. Open **RUN** and type **SIGVERIF**
2. Click **ADVANCED** -> then inside the **SEARCH** tab
3. Click on Look for other files
4. Then Tick Down checkbox and tick (**Include Subfolders**).
5. Click on **browse** button. Select path **Windows** -> **SYSTEM32** -> **CatRoot**. Then click OK.
6. Then click again OK in the SEARCH tab. Then click START on File Signature Verification.
7. After scanning you will get a list of files that have not been digitally signed. Now without closing this window, create a Folder name TEMP into your desktop.

NEXT FOLLOW THESE STEPS:

1. Go to start-> run and type C:\WINDOWS\SYSTEM32\CATROOT
2. Now search the list of files that are not digitally signed by comparing the files that you got in the previous step 6
3. Now select those files from C:\WINDOWS\SYSTEM32\CATROOT and cut and paste into the TEMP folder created into your desktop
4. THUS "ASN1 bad tag value met" error is fixed
5. Now delete the TEMP folder from desktop.

