# WINDOWS SMALL BUSINESS SERVER 2011 – DISTRUBUTEDCOM ERROR 10016

On your SBS 2011 server, do you find a lot of DCOM errors in your System Event Log?

These are relatively common on **SBS** boxes. **Microsoft**'s guidance is that these can be safely ignored. However, when an error is reported, I expect it to be something that should be investigated. If it can be ignored, it shouldn't be reporting it as an error.
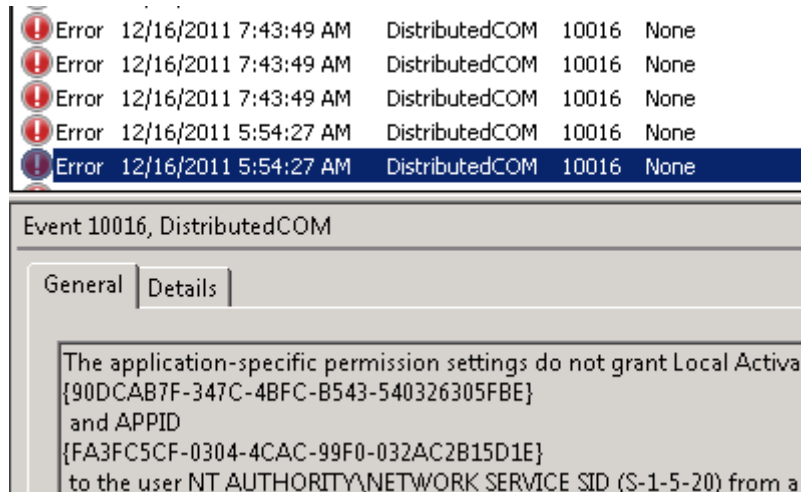
Fortunately, there is a fix for these.

Each event listed below is has the same alert level of "**Error**" and the same Event ID "**10016**". The fixes are all mostly the same with a few differences. Below, I outline each specific error I saw on a specific **SBS 2011** box and highlight the differences in fixing each different error.

The key differences are the different user account account missing the rights and the different **CLSID** and **APPID**. If you find other **DCOM** errors that this fix works on, let me know and I'll add it to the list.

Event Information:

```
Log Name: System
Source: Microsoft-Windows-DistributedCOM
Event ID: 10016
Level: Error
User: NETWORK SERVICE
```

CLSID 90DCAB7F-347C-4BFC-B543-540326305FBE

```
Description: The machine-default permission settings do not grant Local
Activation permission for the COM Server application with CLSID {90DCAB7F-347C-
4BFC-B543-540326305FBE} and APPID {FA3FC5CF-0304-4CAC-99F0-032AC2B15D1E} to the
user NT AUTHORITY\NETWORK SERVICE SID (S-1-5-20) from address LocalHost (Using
LRPC). This security permission can be modified using the Component Services
administrative tool.
```

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To Fix This Error:

1. Open regedit and select "**HKEY_CLASSES_ROOT**"
2. Go the Edit menu and select "**Find…**" (Ctrl+F)
3. Enter the **APPID** in the search dialog and press find: **FA3FC5CF-0304-4CAC-99F0-032AC2B15D1E**
4. Right click on the key and select permissions
5. Click the Advanced Button and select the **Owner** tab
6. Take ownership of the object, check the "_**Replace Owner on Subcontainers**_" and Objects check-box, and press OK
7. Grant "**Administrators**" _**Full Control**_ and press **OK**
8. Note the default value of the found registry key. Should be: **"File Server Resource Management Service"**. Close the registry editor.
9. Launch the Component Services MMC: **Start → Run → comexp.msc** (make sure to run as administrator if using UAC)
10. Expand: **Component Services → Computers → My Computer → DCOM Config**
11. Find **"File Server Resource Management Service"**, right click it and select properties
12. Select the Security Tab and press the "Edit…" button in the "_**Launch and Activation Permissions**_" group box
13. Select the **"Network Service"** account, check the "**Local Activation**" right and press **OK**.
14. Click **OK** and close the **Windows**. The **DCOM** error should be resolved.

CLSID 61738644-F196-11D0-9953-00C04FD919C1

```
Description: The application-specific permission settings do not grant Local
Activation permission for the COM Server application with CLSID {61738644-
F196-11D0-9953-00C04FD919C1} and APPID {61738644-F196-11D0-9953-00C04FD919C1}
to the user DOMAINNAME\spfarm SID (S-1-5-21-123456789-123456789-123456789-
1157) from address LocalHost (Using LRPC). This security permission can be
modified using the Component Services administrative tool.
```

To Fix This Error:

Follow the same steps as shown above except:

- Step 3: **61738644-F196-11D0-9953-00C04FD919C1**
- Step 8 and 11: **IIS WAMREG admin Service**
- Step 13: **SharePoint Farm Account**

CLSID 000C101C-0000-0000-C000-000000000046

```
Description: The machine-default permission settings do not grant Local
Activation permission for the COM Server application with CLSID {000C101C-0000-
0000-C000-000000000046} and APPID {000C101C-0000-0000-C000-000000000046} to the
user DOMAINNAME\spfarm SID (S-1-5-21-123456789-123456789-123456789-1157) from
address LocalHost (Using LRPC). This security permission can be modified using
the Component Services administrative tool.
```

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To Fix This Error:

Follow the same steps as shown above except:

- Step 3: **000C101C-0000-0000-C000-000000000046**
- Step 4: **Instead of searching, navigate to: HKEY_CLASSES_ROOT\Wow6432Node\AppID\{000C101C-0000-0000-C000-000000000046}**
- Step 8: **(Value Not Set)**
- Step 11: **The DCOM Application ID will be named by its CLSID/APPID instead of short name: {000C101C-0000-0000-C000-000000000046}**
- Step 13: **If "SharePoint Farm Account" is not listed, add DOMAINNAME\spfarm and then add the rights.**

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