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## How do i fix error code 10016

The DistributedCOM Error 10016 is a common Windows issue found on almost every Windows version since Windows XP. The error doesn't immediately crash your system, and you won't suffer a sudden blue screen of death. In fact, the DCOM Error 10016 is benign. However, that doesn't mean you can't fix it. So, here's how to fix the DistributedCOM Error 10016 on your Windows 10 system. What is DistributedCOM? First up, what is DistributedCOM, and why is it showing an error? The Distributed Component Object Model (DCOM) is an integral aspect of networked communication on Windows computers. It is a proprietary Microsoft technology that whirs into action every time an application makes a connection to the internet. A traditional COM can only access information on the same machine, whereas DCOM can access data on remote servers. For example, many websites and services use scripts that access a remote server. When your system makes a request using a script or otherwise, DCOM forwards the request to the specific script object. Given how frequently modern applications use a network connection and our general use of computers, you can see how frequently DCOM comes into use. A DCOM error usually occurs when an application or service attempts to use DCOM but does not have the proper permissions. Most of the time, DCOM errors won't affect your system, other than clogging up your Event Viewer. Given most Windows 10 users do not check the Event Viewer regularly, DCOM errors are nothing to worry about. Still, an error-free system is better than the alternative. With that in mind, here is one easy method for fixing DCOM Error 10016, and one slightly more long-winded fix. The first port of call is the Windows Registry. A simple registry tweak can sometimes fix the DCOM Error 10016 immediately. Before editing the registry, we recommend taking a backup. Type registry in your Start Menu search bar and select the Best Match. Head to File > Export, set the Export Range to All, then Save the Windows Registry to a handy location. The following fix won't damage your computer, but it is best to take a backup to restore from in the event of an unexpected error. Now, let's attempt the fix. Type registry in your Start Menu search bar and select the Best Match. Navigate to HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Ole. You can copy and paste the address into the Registry Editor address bar. Delete the following four registry keys:DefaultAccessPermissionDefaultLaunchPermissionMachineAccessRestrictionMachineLaunchRestriction Close the Windows Registry Editor, then reboot your system. Your system should remain DCOM Error 10016 free from now on. If that doesn't work, there is a substantially longer workaround that you can follow. However, if you have several individual applications all providing DCOM errors, the following process will take some time as you have to repeat the majority of it for each error. The DCOM Error 10016 error message in the Event Viewer contains information regarding the specific application or process creating the issue. Input event viewer in your Start Menu search bar and select the Best Match. Head to Windows Logs > System and locate your most recent DCOM Error 10016. Double-click the error message to expand it. The General tab explains the reason for 10016 error, listing the CLSID (Class ID) and APPID (Application ID). The CLSID and APPID character strings look random. However, you can use them to identify which application or service is the route of the 10016 error. Locate CLSID and APPID in the Registry Editor Here's how you locate the service in the Registry Editor. First, highlight the CLSID in the Event Viewer, then press CTRL + C to copy it. Then, open the Registry Editor. Search the registry for the following: HKEY\_CLASSES\_ROOT\CLSID\{Paste Your CLSID Here} For us, that looks like HKEY\_CLASSES\_ROOT\CLSID\{2593F8B9-4EAF-457C-B68A-50F6B8EA6B54}. Remember, you can copy and paste the address into the Registry Editor address bar. Once the CLSID search finishes, you can cross-reference the APPID from the error message with the AppID listed under the CLSID. In our case, the DCOM Error 10016 stems from the Runtime Broker, which is one of the most common causes of this error. Edit the CLSID Permissions In the left-hand list of registry entries, right-click the CLSID relating to the error, then select Permission > Advanced. From here, you can edit the Permissions of the service. (Changing file permissions can fix a bunch of other Windows 10 issues, too.) Highlight Administrators and select Edit. Switch the Basic Permissions to include Full Control, then hit OK > Apply > OK. Now, restart your system. Once the restart completes, input Component Services in your Start Menu search bar and select the Best Match. Head to Computers > My Computer > DCOM Config. You will see a long list of service that uses DCOM in some manner. Locate the service using the name and APPID, right-click and select Properties > Security. Under Launch and Activation Permissions, select Edit > Add > Add a Local Service > Apply. Now, tick the Local Activation box, hit OK, and reboot your system again. Whew! All done, the process is complete. Note: Unfortunately, if you have multiple 10016 error causes, you'll have to complete this process for each CLSID/APPID combination. Hopefully, that has alleviated your Distributed COM 10016 error. We must emphasize that a DCOM 10016 error is highly unlikely to affect your system performance. In the old days, when Microsoft first introduced "Distributed" to the Component Object Model, there were vulnerabilities. However, these vulnerabilities have been patched and DCOM is safe now. Of course, DCOM error 10016 is far from the only error Windows 10 throws up. But don't sweat, as there are plenty of ways to fix those, too. The 5 Most Common Windows Errors and How to Fix Them Gavin Phillips (1047 Articles Published) More From Gavin Phillips Join our newsletter for tech tips, reviews, free ebooks, and exclusive deals! Are you the one struggling with the DistributedCOM Error 10016 on your Windows 10 OS? Searching how to fix the distributedcom error Windows 10, then this article is for you. Here learn the complete information about the error event 10016 distributedcom Windows 10 and ways to fix it. The notorious DistributedCOM 10016 error is a common error found on almost every Windows version since the Windows XP. Unluckily, it appears that the error was not resolved even after the upgrade. Moreover the distributedcom error 10010 Windows 10 error, commonly appears due to the lack of user permissions at the time the application tried to start the DCOM server. Well, the error won't cause any serious damage to the computer, but is annoying and appears as a system error with the message having an APPID and CLSID. This is irritating so, here check out how to fix the DCOM Error 10016 in Windows 10. What is a DCOM Error? The Distributed Component Object Model (DCOM) is an essential feature of networked communication on Windows computers. It is branded Microsoft technology that whirs into action when an application makes a connection to the internet. And a traditional COM only accesses the information on the same computer, whereas DCOM access data in the remote servers. How to Fix Distributedcom error 10016 Windows 10? Solution 1: Edit the Windows Registry Keys Here to fix the distributedcom error 10016 Windows 10, you need to edit the registry entries. But first, make sure to save the copy of the registry values or create a backup to avoid further damage. The solution only works if you logged in as an administrator or enabled administrative. Go to search box > type "regedit" > click to open it Then move the mouse towards HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Ole section > delete the keys: DefaultAccessPermission DefaultLaunchPermission MachineAccessRestriction MachineLaunchRestriction Lastly, close the registry editor and restart the system to save the changes. The default permission would be written for the system, after deleting the above mentioned four keys from the registry. Hence, those apps that need access to the DCOM Server would ultimately get access. I hope, the DCOM Error 10061 is fixed now but if not then follow the next solution. Solution 2: Enable Sufficient Permissions Well, if you are having numerous individual applications and all of them provide DCOM errors, then the following process would take some time as you need repeating the majority of it for every error. Follow the steps to do so: Press the Windows + R then Run dialog box will open on the system Now in the Run dialog box > type regedit > click OK button And on your system, you can see Registry Editor in few seconds. Move to the HKEY\_CLASSES\_ROOT\CLSID folder > expand it and spot the CLSID folder that has the CLSID you got in the error > Right-click and choose that folder. Now you can see the owner at the top of the window. You require modifying the owner to the Administrators group. You have to choose to Replace all child object permission entries available at the bottom of the owner window. And in the Windows Security warning,> click OK > and Yes buttons individually. Next, click the Add button > type Everyone in available field > and in the previous permissions window click OK At the top of the main permissions Window you can see a list of users > now choose Everyone under users list > choose to allow to offer Full Control to the user at bottom. And click OK for applying full control > save the changes. Then you have to expand the given folders under HKEY\_LOCAL\_MACHINE\Software\Classes\AppID. Choose the folder having APPID same to the error message > right-click on it. Next repeat steps 5 to 10, to permit sufficient permissions to the individual app. A registry key is visible that is having a similar name of the service that is causing the error. Then from the start menu > open Control Panel > move to top right corner for enabling icon views Now, move to Administrative Tools > Component Services And go to Computer > My Computer > next right-click on the service that is causing > click Properties > choose the Security tab. Make sure you have followed entire previous steps to set permissions in the registry, you can choose to Customize beside Launch and Activation Permissions, Access Permissions, and Configuration Permissions categories. Then against the Launch and Activation Permissions click edit. (Click Remove if any warning message appears "one or more permissions entries attached has an unrecognized type") And under the list of users locate System. If you are not able to locate it click Add button > type System > hit the OK button Now under the user's list in the current window > you will be able to choose System. Look for Local Launch and Local Activation > choose Allow. Then to save the changes click OK > repeat above step for Access Permissions and Configuration Permissions as well. Lastly, locate some other CISID and AppID values and repeat the steps for all those values that have listed in the event logs. And restart your system to let the changes take effect. Hope after following the above-given steps the error event 10016 distributedcom Windows 10 is fixed. However, the second solution is a bit lengthy and hectic and should be followed by the users who are not able to fix the distributedcom error Windows 10. Make your Windows PC/Laptop Error-Free If your Windows PC/laptop is running slow or you are encountering various computer issues and errors then it is suggested to run the PC Repair Tool. This is an advanced repair utility designed to fix various stubborn computer errors and issues. It is also capable to fix other computer-related errors like DLL error, application error, BSOD error, stubborn computer errors, protect you from file loss, malware and virus infection, etc. This not only fixes errors but also improves the Windows PC performance. Get the PC Repair Tool, to fix various computer issues & errors Conclusion Hope after following the given solutions you are able to fix the Windows 10 error distributedcom 10016. Well, this is not very damaging but quite irritating as it appears again and again on the Windows 10 computer. The given solutions are very critical so make sure to follow them carefully. Also if you are not a very tech person then avoid following the second solution and use the automatic repair tool. However, if you are facing any registry related errors or registry corruption then visit our Fix Registry Error Hub to get the fixes. Despite this, if you are having any query, comment or suggestion then feel free to share with us in the comment section below. Good Luck...!! Harddeep has always been a Windows lover ever since she got her hands on her first Windows XP PC. She has always been enthusiastic about technological stuff, especially Artificial Intelligence (AI) computing. Before joining PC Error Fix, she worked as a freelancer and worked on numerous technical projects.



