By default MS deploy /PowerShell uses  TLS1.0  , we need to force them to use TLS1.2 by trying following  :

|  |
| --- |
| On the **Local machine** from where you are publishing the web app , Add settings for **MSdeploy**, could force it use TLS1.2 rather than default TLs1.0.      **MSDeploy**.exe need to be running in windows 2008 R2/Windows 7 or above with .NET Framework 4.5.x or .Net Framework 4.6 installed since **TLS 1.2** /RFC 5246 was released to industry in Aug. 2008. Any earlier version of windows and .NET Framework cannot support **TLS 1.2** runtime.  If you are using .NET Framework 4.5.x, you will need to install the following hotfix to make the regkey **TLS** version feature setting available.    <https://support.microsoft.com/en-us/kb/3099843>    At the machine level, Set the schannel key to enable **TLS 1.2** client on **MSDeploy**.exe machine  [HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\**TLS 1.2**\Client]  "DisabledByDefault"=dword:0  "Enabled"=dword:00000001  Reboot    If you are using **MSDeploy**.exe under “C:\Program Files (x86)\IIS\Microsoft Web Deploy V3\**msdeploy**.exe”, please set the following 2 keys to force **MSDeploy**.exe using **TLS 1.2**, otherwise, **MSDeploy**.exe is coded for default **TLS** version 1.0.  Add the following DWORD value:  HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Microsoft\.NETFramework\ v4.0.30319  SchUseStrongCrypto DWORD  as 1  This will force the **TLS 1.2** runtime to be loaded to .NET Framework process  Also add Key of:  HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Microsoft\.NETFramework\v4.0.30319\System.Net.ServicePointManager.SecurityProtocol  Then under that key, you can create a string value of “C:\Program Files (x86)\IIS\Microsoft Web Deploy V3\**msdeploy**.exe” as Tls12 to force the correct **msdeploy**.exe binary to use **TLS 1.2**    If you are using **MSDeploy**.exe under “C:\Program Files\IIS\Microsoft Web Deploy V3\**msdeploy**.exe”, please set the following 2 keys to force **MSDeploy**.exe using **TLS 1.2**, otherwise, **MSDeploy**.exe is coded for default **TLS** version 1.0.  Add the following DWORD value:  HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\.NETFramework\ v4.0.30319  SchUseStrongCrypto DWORD32  as 1  This will force the **TLS 1.2** runtime to be loaded to .NET Framework process  Also add Key of:  HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\.NETFramework\v4.0.30319\System.Net.ServicePointManager.SecurityProtocol  Then under that key, you can set a string value of “C:\Program Files\IIS\Microsoft Web Deploy V3\**msdeploy**.exe” as Tls12 |

Additionally refer to : <https://support.microsoft.com/en-us/help/3206898/enabling-iis-manager-and-web-deploy-after-disabling-ssl3-and-tls-1-0>

|  |
| --- |
| If we are using PowerShell ,  Use  [Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]::TLS12  in the powershell console before starting the publishing, to force powershell.exe to use **TLS 1.2** |