

How to fix compile CS8401 error “please use language version '8.0' or greater” on TEOS 3.3.0

Description

When updating an On-Premise TEOS Server from 3.x.x to 3.3.0 the installer runs different process. One of these is updating the “Web.config” file. There is a chance that this can go wrong. This guide will explain how to fix the compile error CS8401 on TEOS Manage 3.3.0.

Please do not use this guide for any lower version then TEOS Manage 3.3.0, this could corrupt the system.

Requirements

- Admin access to TEOS web server

How to fix compile CS8401 error “please use language version '8.0' or greater”

1. Login to the TEOS Server.
2. Open explorer and search for “Program files/TEOS Manage/www/backbone”.

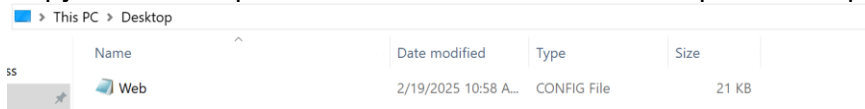


Depending on system configuration the “C:” could be different, search accordingly.

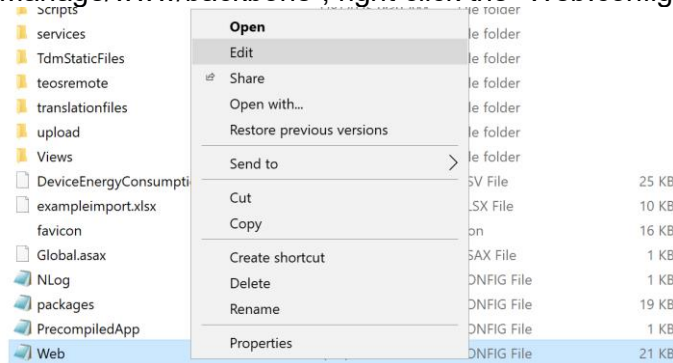
3. In this folder there should be a file called “Web.config”, we first need to make a backup of this file.

Name	Date modified	Type	Size
adb	1/7/2025 2:14 PM	File folder	
apkdownloads	1/7/2025 2:15 PM	File folder	
apkuploads	2/10/2025 12:22 P...	File folder	
App_Data	1/8/2025 9:39 AM	File folder	
Areas	1/7/2025 2:15 PM	File folder	
bin	1/8/2025 9:39 AM	File folder	
configurationscripts	1/7/2025 2:15 PM	File folder	
Content	1/8/2025 9:39 AM	File folder	
custom	1/7/2025 2:15 PM	File folder	
devicegroupimages	1/7/2025 2:15 PM	File folder	
deviceresources	1/7/2025 2:15 PM	File folder	
EmployeeApp	1/8/2025 9:39 AM	File folder	
ExampleFiles	1/8/2025 9:39 AM	File folder	
excelimports	1/7/2025 2:16 PM	File folder	
firmwareuploads	1/7/2025 2:16 PM	File folder	
fonts	1/7/2025 2:16 PM	File folder	
help	1/7/2025 2:16 PM	File folder	
license	1/7/2025 2:29 PM	File folder	
logs	2/20/2025 12:00 A...	File folder	
mailtemplates	1/7/2025 2:16 PM	File folder	
mra	1/7/2025 2:16 PM	File folder	
outlookaddin	1/7/2025 2:16 PM	File folder	
outlookaddinuniversal	1/8/2025 9:39 AM	File folder	
reservation	1/7/2025 2:16 PM	File folder	
Scripts	1/8/2025 9:39 AM	File folder	
services	1/7/2025 2:17 PM	File folder	
TdmStaticFiles	1/8/2025 9:39 AM	File folder	
teosremote	1/7/2025 2:17 PM	File folder	
translationfiles	1/9/2025 9:25 AM	File folder	
upload	1/16/2025 4:49 PM	File folder	
Views	1/8/2025 9:39 AM	File folder	
DeviceEnergyConsumption.csv	5/11/2021 9:20 AM	CSV File	25 KB
exampleimport.xlsx	10/25/2019 3:46 P...	XLSX File	10 KB
favicon	5/11/2021 9:22 AM	Icon	16 KB
Global.asax	10/25/2019 3:46 P...	ASAX File	1 KB
NLog	5/17/2020 4:11 PM	CONFIG File	1 KB
packages	5/2/2024 4:18 PM	CONFIG File	19 KB
PrecompiledApp	10/25/2019 3:46 P...	CONFIG File	1 KB
Web	2/19/2025 10:58 A...	CONFIG File	21 KB

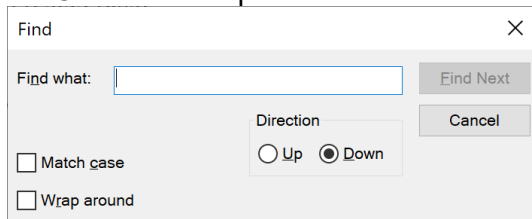
- Copy the file and put it in a different location for example "Desktop".



- Once a backup of the file has been made, we can edit the one in "Program files/TEOS Manage/www/backbone", right click the "Web.config" file and select edit.



- Do CTRL + F to open the "Find" menu.



- We need to search for "langversion: ", select "Find Next". This will bring you down the page in the tags "Compilers".

```
<compilers>
  <compiler language="c#;cs;csharp" extension=".cs" warningLevel="4" compilerOptions="/langversion:default ,
    type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Provider:
  <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" warningLevel="4"
    compilerOptions="/langversion:default /nowarn:41008,40000,40008 /define:_MYTYPE=\&quot;Web\&quot; /opti
    type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.Dot
</compilers>
```

It could be that this looks different in your case, this is fine.

- We need to replace the bit what starts and ends with <compilers>.

```
<compilers>
  <compiler language="c#;cs;csharp" extension=".cs" warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701;612;618"
    type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
  <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" warningLevel="4"
    compilerOptions="/langversion:default /nowarn:41008;40000;40008 /define:_MYTYPE=\&quot;Web\&quot; /optioninfer+
    type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
</compilers>
```

9. Replace it with the exact following code:

```
<compilers>
  <compiler language="c#;cs;csharp" extension=".cs"
warningLevel="4" compilerOptions="/langversion:default
/nwarn:1659;1699;1701;612;618"

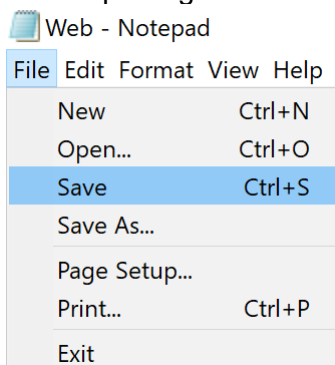
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCode
Provider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform,
Version=4.1.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"/>
  <compiler language="vb;vbs;visualbasic;vbscript"
extension=".vb" warningLevel="4"
  compilerOptions="/langversion:default
/nwarn:41008,40000,40008 /define:_MYTYPE=\&quot;Web\&quot;
/optionInfer+&quot;

type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProv
ider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform,
Version=4.1.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"/>
</compilers>
```

10. It should look exactly like this:

```
<requestFiltering>
  <requestLimits maxAllowedContentLength="2147483648"/>
</requestFiltering>
</security>
</system.webServer>
</system.codedom>
<compilers>
  <compiler language="c#;cs;csharp" extension=".cs" warningLevel="4" compilerOptions="/langversion:default /nwarn:1659;1699;1701;612;618"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
  <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" warningLevel="4"
compilerOptions="/langversion:default /nwarn:41008,40000,40008 /define:_MYTYPE=\&quot;Web\&quot; /optionInfer+&quot;
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
</compilers>
</system.codedom>
<entityFramework>
  <defaultConnectionFactory type="System.Data.Entity.Infrastructure.LocalDbConnectionFactory, EntityFramework">
    <parameters>
      <parameter value="mssqllocaldb"/>
    </parameters>
  </defaultConnectionFactory>
  <providers>
    <provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServices, EntityFramework.SqlServer"/>
  </providers>
</entityFramework>
</location>
```

11. After replacing the code select "File" in the top left corner and click "Save".



12. Reload and relog into the TEOS Manage web environment to see that the problem has been solved. If the problem still persists please make contact with support.

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For more information
visit pro.sony/TEOS

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