

Getting the following error when deploying a Blazor Server App using Deployment Center: Azure Repos

FW

Fin Watling (student)

0

15 Apr 2024, 6:46 pm

error MSB3644: The reference assemblies for .NETFramework,Version=v8.0 were not found. To resolve this, install the Developer Pack (SDK/Targeting Pack) for this framework version or retarget your application.

My application runs fine locally and was deploying fine up until around a week ago.

I don't know what else could have changed - Is there a way of customising the deployment?

Command: "C:\home\site\deployments\tools\deploy.cmd"

Handling ASP.NET Core Web Application deployment with MSBuild16.

Microsoft (R) Build Engine version 16.4.0+e901037fe for .NET Framework

Copyright (C) Microsoft Corporation. All rights reserved.

Build started 4/15/2024 5:23:57 PM.

Project "C:\home\site\repository\Doccy\Doccy.csproj" on node 1 (Restore target(s)).

Restore:

Restoring packages for C:\home\site\repository\Doccy\Doccy.csproj...

Committing restore...

Assets file has not changed. Skipping assets file writing. Path: C:\home\site\repository\DataAccess\obj\project.assets.json

Restore completed in 66.95 ms for C:\home\site\repository\DataAccess\DataAccessLibrary.csproj.

Committing restore...

Writing assets file to disk. Path: C:\home\site\repository\Doccy\obj\project.assets.json

Restore completed in 615.04 ms for C:\home\site\repository\Doccy\Doccy.csproj.

NuGet Config files used:

Copy

D:\DMSFiles\Sites\#1doccy\AppData\NuGet\NuGet.config

Copy

https://api.nuget.org/v3/index.json

Done Building Project "C:\home\site\repository\Doccy\Doccy.csproj" (Restore target(s)).

Project "C:\home\site\repository\Doccy\Doccy.csproj" on node 1 (default targets).

C:\Program Files (x86)\MSBuild-16.4\MSBuild\Current\Bin\Microsoft.Common.CurrentVersion.targets(1175,5): error MSB3644: The reference assemblies for .NETFramework,Version=v8.0 were not found. To resolve this, install the Developer Pack (SDK/Targeting Pack) for this framework version or retarget your application. You can download .NET Framework Developer Packs at <https://aka.ms/msbuild/developerpacks> [C:\home\site\repository\Doccy\Doccy.csproj]

Done Building Project "C:\home\site\repository\Doccy\Doccy.csproj" (default targets) -- FAILED.

Build FAILED.

"C:\home\site\repository\Doccy\Doccy.csproj" (default target) (1:7) ->

(GetReferenceAssemblyPaths target) ->

C:\Program Files (x86)\MSBuild-16.4\MSBuild\Current\Bin\Microsoft.Common.CurrentVersion.targets(1175,5): error MSB3644: The reference assemblies for .NETFramework,Version=v8.0 were not found. To resolve this, install the Developer Pack (SDK/Targeting Pack) for this framework version or retarget your application. You can download .NET Framework Developer Packs at <https://aka.ms/msbuild/developerpacks> [C:\home\site\repository\Doccy\Doccy.csproj]

Copy

0 Warning(s)

1 Error(s)

Time Elapsed 00:00:02.17

Failed exitCode=1, command="C:\Program Files (x86)\MSBuild-16.4\MSBuild\Current\Bin\MSBuild.exe /restore "C:\home\site\repository\Doccy\Doccy.csproj" /p:DeployOnBuild=true /p:configuration=Release /p:publishurl="C:\local\Temp\8dc5d70d5226068"

An error has occurred during web site deployment.

Y:\n\C:\Program Files (x86)\SiteExtensions\Kudu\102.10305.001\bin\Scripts\starter.cmd
"C:\home\site\deployments\tools\deploy.cmd"

.NET

Blazor

8 comments Report a concern I have the same question

PN

Ping Ni-MSFT

2,085 • Microsoft Vendor

16 Apr 2024, 7:49 am

Hi @Fin Watling (student), you said it works on local and deployment before. How is it on local, is it only not working in deployment?

0 votes

AgaveJoe

26,201

16 Apr 2024, 11:09 am

The error message indicates the build failed because the target framework is NETFramework,Version=v8.0. There is no such thing as NETFramework,Version=v8.0. Are you trying to upgrade a .Net Framework application to ASP.NET Core 8?

0 votes

FW

Fin Watling (student)

0

17 Apr 2024, 1:42 pm

@Ping Ni-MSFT

It works fine locally using visual studio, but in the kudu auto deployment it fails giving the error shown. I haven't changed anything to do with the build/deploy process since it broke so unsure why it's failing now.

@AgaveJoe's comment makes sense too. I just don't understand where this would even be set? All of my solutions are the correct version - Images attached.

Copy

<?xml version="1.0" encoding="utf-8" targetFramework="net8.0" />
<Project Sdk="Microsoft.NET.Sdk.Web">
 <PropertyGroup>
 <TargetFramework>net8.0</TargetFramework>
 <Nullable>enable</Nullable>
 <ImplicitUsings>enable</ImplicitUsings>
 <OutputType>MvcCore</OutputType>
 <GeneratePackageOnBuild>True</GeneratePackageOnBuild>
 <LangVersion>latest</LangVersion>
 </PropertyGroup>
 <ItemGroup>
 <PackageReference Include="Azure.Communication.Email" Version="1.0.1" />
 <PackageReference Include="Azure.Core" Version="1.38.0" />
 <PackageReference Include="Azure.Communication.Email" Version="1.0.1" />
 <PackageReference Include="Azure.Core" Version="1.38.0" />
 <PackageReference Include="Microsoft.NETFramework.ReferenceAssemblies" Version="1.0.3">
 <PrivateAssets>runtime; build; native; contentfiles; analyzers; buildtransitive</PrivateAssets>
 </PackageReference>
 </ItemGroup>
 <ItemGroup>
 <ProjectReference Include="..\DataAccess\DataAccessLibrary.csproj" />
 </ItemGroup>
</Project>
</?xml>

<?xml version="1.0" encoding="utf-8" targetFramework="net8.0" />
<Project Sdk="Microsoft.NET.Sdk">
 <PropertyGroup>
 <ImplicitUsings>enable</ImplicitUsings>
 <Nullable>enable</Nullable>
 <TargetFramework>net8.0</TargetFramework>
 <GeneratePackageOnBuild>True</GeneratePackageOnBuild>
 <LangVersion>latest</LangVersion>
 </PropertyGroup>
 <ItemGroup>
 <PackageReference Include="BCrypt.Net-Next" Version="4.0.3" />
 <PackageReference Include="Dapper" Version="2.1.35" />
 <PackageReference Include="Microsoft.Extensions.Configuration.Abstractions" Version="8.0.0" />
 <PackageReference Include="Microsoft.NETFramework.ReferenceAssemblies" Version="1.0.3">
 <IncludeAssets>runtime; build; native; contentfiles; analyzers; buildtransitive</IncludeAssets>
 </PackageReference>
 <PrivateAssets>all</PrivateAssets>
 </ItemGroup>
 <PackageReference Include="System.Data.SqlClient" Version="4.8.6" />
</Project>
</?xml>

0 votes

FW

Fin Watling (student)

0

17 Apr 2024, 1:43 pm

Web app

Name

Doccy

Publishing model

Code

Runtime Stack

Dotnet - v8.0

0 votes

FW

Fin Watling (student)

0

17 Apr 2024, 1:59 pm

Update - I'm now getting the same error on visual studio locally.

0 votes

AgaveJoe

26,201

17 Apr 2024, 3:15 pm

The project files show references to Microsoft.NETFramework.ReferenceAssemblies. .NETFramework is not supported in ASP.NET Core 8.

<https://learn.microsoft.com/en-us/visualstudio/msbuild/errors/msb3644?view=vs-2022&source=recommendations>

<https://learn.microsoft.com/en-us/dotnet/framework/migration-guide/reference-assemblies>

0 votes

FW

Fin Watling (student)

0

17 Apr 2024, 6:38 pm

Doccy - Web Deploy (publish) - Azure App Service (Windows)

Publish

Publish succeeded on 17/04/2024 at 18:02. Click site

Settings: Configuration Release, Target Framework net8.0, Deployment Mode Framework-dependent, Target Runtime Portable

Doccy | Deployment Center

Activity log

Settings

Time

Wednesday, April 17, 2024 (1)

Current ID

Current Author

Status

Message

Deployment

6:00:55 PM -01:00

af85c1

Fin Watling

Failed

Reason: matching enabled

@AgaveJoe That does make sense, however that was just something I added to try and fix the issue (I can see why that wouldn't work now). The issue I'm facing lies within the build process I believe. As when using Visual Studio "Web deploy", the site is deployed fine. However, When using the Azure Deployment Center it fails with the message initially sent. My theory is that when using the web deploy feature, the solution is built locally and then uploaded. Whereas when using the Azure Deployment Center linked to my Azure repo, the build process (managed by Kudu) uses its auto builder and uploads to the domain. I think the problem must lie within the Kudu auto builder. I've taken a look at the script but I can't see anything wrong with it. It appears to use MSBuild16. Do you know anything about Kudu deployment?

0 votes

FW

Fin Watling (student)

0

17 Apr 2024, 6:45 pm

This is the Kudu Build section of the Script.

:: Deployment

:: -----

echo Handling ASP.NET Core Web Application deployment with MSBuild16.

:: 1. Restore, Build and publish

call :ExecuteCmd "%MSBUILD_16_DIR%\MSBuild.exe" /restore

"%DEPLOYMENT_SOURCE%\Doccy\Doccy.csproj" /p:DeployOnBuild=true /p:configuration=Release

/p:publishurl="%DEPLOYMENT_TEMP%" %SCM_BUILD_ARGS%

IF !ERRORLEVEL! NEQ 0 goto error

:: 2. KuduSync

call :ExecuteCmd "%KUDU_SYNC_CMD%" -v 50 -f "%DEPLOYMENT_TEMP%" -t "%DEPLOYMENT_TARGET%" -n

"%NEXT_MANIFEST_PATH%" -p "%PREVIOUS_MANIFEST_PATH%" -i ".git\hg.deployments\deploy.cmd"

IF !ERRORLEVEL! NEQ 0 goto error

0 votes

Sign in to comment

1 answer Sort by: Most helpful

FW

Fin Watling (student)

0

17 Apr 2024, 7:07 pm

SOLUTION:

I just wanted to thank anyone struggling with the same issue when deploying a Blazor Server application via Azure Deployment Center.

I saw a thread - <https://stackoverflow.com/questions/60676386/kudu-not-supported-net-core-3-1-can-not-autodeploy-my-net-core-3-1-function-f-i> that suggested kudu might not support some versions of net core. Alex AIT suggested:

You need to build your application before pushing it to Kudu, or wait until the 3.1 SDK is installed on the windows systems. You can also still try to use a Linux App Service.

After recognising that the problem was with Kudu, I created a new Deployment but instead of a windows system, I used a Linux system:

Web app

Name

Publishing model

Code

Runtime Stack

Dotnetcore - 8.0

Domains

Default domain

Custom domain

Add custom domain

Hosting

Plan Type

App Service plan

Name

Operating System

Linux

Instance Count

1

SKU and size

Free (F1) Scale up

The Linux machine has a different builder (Microsoft Oryx) and correctly identified the required auto build script.

If you're facing a similar problem then I would suggest the reader to use a Linux OS for their hosting.

Thanks to anyone who offered advice.

Please sign in to rate this answer.

0 comments

Report a concern

Sign in to comment

Sign in to answer

Question activity

Sign in to follow questions and users

Additional resources

Training

Learning path

Migrate an ASP.NET web application to Azure with Visual Studio - Training

Migrate an ASP.NET web application to Azure with Visual Studio

Documentation

ASP.NET Web Deployment using Visual Studio: Troubleshooting

This tutorial series shows how to deploy, or publish, an ASP.NET web application to Azure App Service Web Apps or to a third-party...

Host and deploy ASP.NET Core Blazor WebAssembly

Learn how to host and deploy Blazor WebAssembly using ASP.NET Core, Content Delivery Networks (CDN), file servers, and...

Build apps against Microsoft.NETFramework.ReferenceAssemblies - .NET Framework

Learn how to reference the .NET Framework Reference Assemblies in your project, when you can't install a matching developer pack.

Show 2 more