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Cannot find command 'dotnet ef'?

Asked 4 months ago Active 10 days ago Viewed 7k times

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## **Tired of Managing Servers?** Build serverless .NET apps

I am using .NET core 2.0 on Arch VScode and trying to get EF tools to work but I keep getting that error 'cannot find command dotnet ef'. I've just about looked everywhere and none of the suggestions worked. So if you can please help that would be much appreciated.



The result of running 'dotnet ef'



[wasiim@wasiim-PC WebApiServerApp]\$ dotnet ef --help Cannot find command 'dotnet ef', please run the following command to install

dotnet tool install --global dotnet-ef [wasiim@wasiim-PC WebApiServerApp]\$ dotnet tool list -g Package Id Version Commands dotnet-dev-certs 2.2.0 dotnet-dev-certs dotnet-ef 2.2.3 dotnet-ef [wasiim@wasiim-PC WebApiServerApp]\$

this is the dotnet --info result, if it's of help

```
[wasiim@wasiim-PC WebApiServerApp]$ dotnet --info
.NET Core SDK (reflecting any global.json):
 Version: 2.2.105
 Commit: 7cecb35b92
Runtime Environment:
 OS Name:
             arch
 OS Version:
 OS Platform: Linux
             arch-x64
 Base Path: /opt/dotnet/sdk/2.2.105/
Host (useful for support):
 Version: 2.2.3
 Commit: 6b8ad509b6
.NET Core SDKs installed:
 2.2.105 [/opt/dotnet/sdk]
.NET Core runtimes installed:
 Microsoft.NETCore.App 2.2.3 [/opt/dotnet/shared/Microsoft.NETCore.App]
To install additional .NET Core runtimes or SDKs:
 https://aka.ms/dotnet-download
```

This is my .csproj file

<Project Sdk="Microsoft.NET.Sdk.Web">

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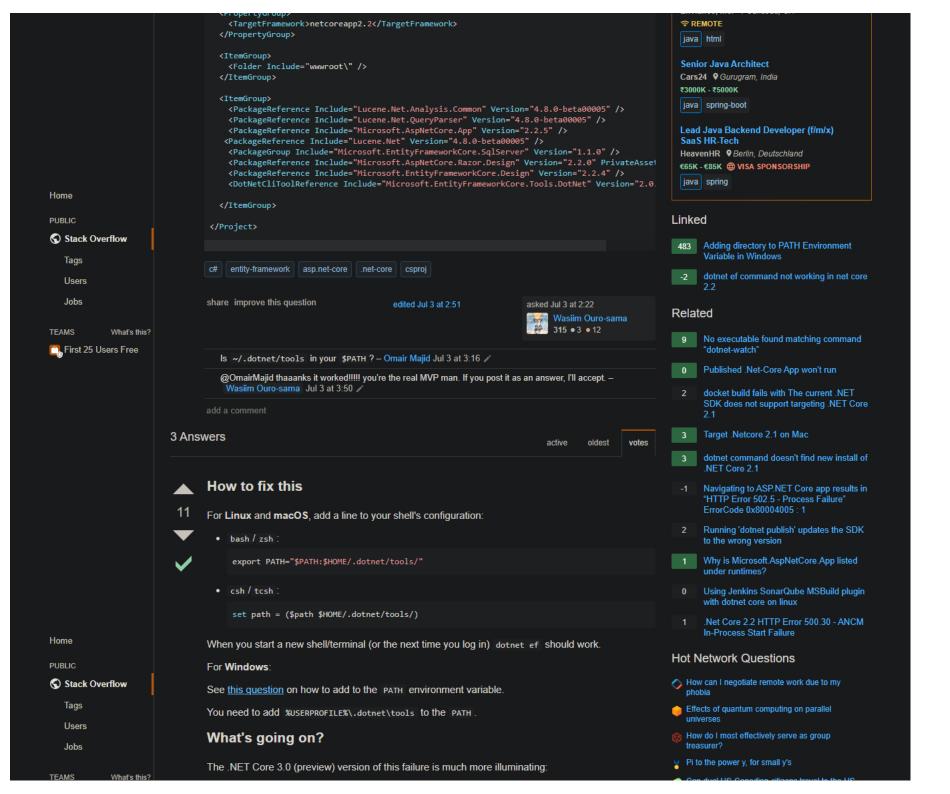
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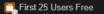
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\$ dotnet ef

Could not execute because the specified command or file was not found. Possible reasons for this include:

- \* You misspelled a built-in dotnet command.
- \* You intended to execute a .NET Core program, but dotnet-ef does not exist.
- \* You intended to run a global tool, but a dotnet-prefixed executable with this name could

The second and the third one both refer to dotnet trying to find a dotnet-ef command but can't find it. As the third point says, dotnet-ef is not in your path.

Here's what the docs say:

Global Tools can be installed in the default directory or in a specific location. The default directories are:

OS Path

Linux/macOS \$HOME/.dotnet/tools

Windows %USERPROFILE%\.dotnet\tools

So, you should add \$HOME/.dotnet/tools/ to your \$PATH

But also note this part from docs:

These locations are added to the user's path when the SDK is first run, so Global Tools installed there can be called directly.

So, it sounds like something went wrong. If you installed using a manual tarball, the SDK screwed up and you should report this bug to Microsoft. If you use a distribution package, they screwed up and you should report this as a bug to them.

share improve this answer

edited Oct 25 at 14:08

answered Jul 3 at 18:25



Omair Majid 5,359 • 25 • 38

None of these recommended fixes fixed my situation. In my situation the reported .NET Core program that does not exist looks like nonsense: dotnet-

@C:\Users\myUser\AppData\Local\Temp\tmp75c598ec34944633925ed32feffbe40f.rsp - Jack Fox Oct 20 at 19:19

Added a quick TLDR run through to get along. - Nicholas Oct 25 at 6:26

add a common

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In my case, the tools folder didn't exist inside <code>%USERPROFILE%\.dotnet\</code> so I had to run the command dotnet tool install --global dotnet-ef to install dotnet ef. Then I was able to run dotnet ef...

This was the result of the above install command:

/ou can invoke the tool using the following command: dotnet-ef ool 'dotnet-ef' (version '3.0.0') was successfully installed.

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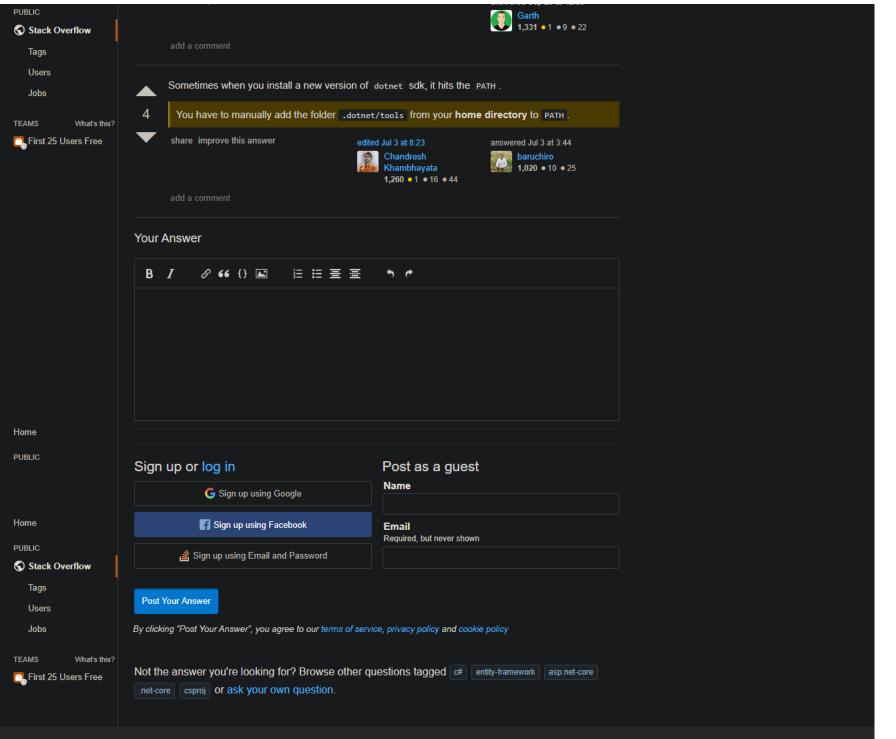
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