

A fatal error occurred. The folder [/usr/share/dotnet/host/fxr] does not exist

Asked 2 years, 3 months ago Modified 27 days ago Viewed 98k times



I can't access dotnet after an update. Reinstalling dotnet and vscode didn't help.

141



On Ubuntu 22.04, running `dotnet --info` produces the output:



A fatal error occurred. The folder [/usr/share/dotnet/host/fxr] does not exist

.net

ubuntu

host

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edited Jul 5, 2023 at 21:40



Slate ♦

301 ● 6 ● 16


asked Sep 17, 2022 at 9:25



Vladislav Volynets

1,521 ● 2 ● 9 ● 6

Did you install dotnet using `apt` ? Is it possible you have multiple instances of dotnet in your path? – [PMF](#) Sep 17,

- 1 Heppened for me multiple times on Ubuntu 22.04 with dotnet 6. Dotnet disapears while I was working on my projects.
– [profimedica](#) Oct 11, 2022 at 6:02 

10 Answers

Sorted by:

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353



NOTE: Since my answer below for Ubuntu 22.04, Microsoft has [published a dedicated page](#) to explain how to resolve this issue, depending on your OS version, location, and whether you want to use Ubuntu or Microsoft packages.

I recommend following the directions on that page for the most up-to-date info.

UPDATE NOV 2024: Starting with .NET 9, Microsoft will [no longer publish .NET packages](#) for platforms that publish their own packages, including Ubuntu. This is a good thing, because we can continue using Microsoft's repo for other tools without conflicts.

I'm leaving the original answer below, but I now recommend using Ubuntu's packages instead, since that is the direction Microsoft is headed.

When .NET (Core) was first released for Linux, it was not yet available in the official Ubuntu repo. So instead, many

of us added the Microsoft APT repo in order to install it.

Now, the packages are part of the Ubuntu repo, and they are conflicting with the Microsoft packages. This error is a result of mixed packages.

So you need to pick which one you're going to use, and ensure they don't mix. Personally, I decided to stick with the Microsoft packages because I figured they'll be better kept up-to-date.

First, remove all existing packages to get to a clean state:

```
sudo apt remove dotnet* aspnetcore* netstandard*
```

Then, create a file in `/etc/apt/preferences.d` (I named mine `99microsoft-dotnet.pref`, following the convention that files in such `*.d` directories are typically prefixed with a 2-digit number so that they sort and load in a predictable order) with the following contents:

```
Package: dotnet* aspnet* netstandard*  
Pin: origin "archive.ubuntu.com"  
Pin-Priority: -10  
  
Package: dotnet* aspnet* netstandard*  
Pin: origin "security.ubuntu.com"  
Pin-Priority: -10
```

This will "demote" the Ubuntu packages so that the Microsoft packages take precedence.

Then, the regular update & install:

```
sudo apt update && sudo apt install -y dotnet-sdk-8.0
```

Note, the above example shows .NET 8; replace with another version if you prefer. .NET SDKs are installed side-by-side, so you can also install multiple versions.

If you would rather use the official Ubuntu packages, remove all the existing packages as above, but instead of creating the `/etc/apt/preferences.d` entry, just delete the Microsoft repo:

```
sudo rm /etc/apt/sources.list.d/microsoft-prod.list
sudo apt update
sudo apt install dotnet-sdk-7.0
```

However, note that the Microsoft repo contains other packages such as PowerShell, SQL Server Command-Line Tools, etc., so removing it may not be desirable.

I'm sure it's possible to make the APT config more specific to just these packages, but this is working for me for now. Hopefully Microsoft and Ubuntu work together to fix this soon.

More info on the issue and various solutions is available here:

- <https://learn.microsoft.com/en-us/dotnet/core/install/linux-package-mixup>
- <https://github.com/dotnet/core/issues/7699>

answered Sep 29, 2022 at 17:09

**Tobias J**

22.7k ● 8 ● 91 ● 71

19 This solved the issue for me on Ubuntu 22.04.1. I also decided to go with Microsoft packages. – [Robert Hardy](#) Oct 4, 2022 at 11:12

4 Thanks for this. Some guide linked on MS pages specified the required file location incorrectly. This indeed works. – [Mikhail Orlov](#) Oct 12, 2022 at 9:50

1 @LeOn-HanLi I just copied it from the linked github issue; it specifies that the priority of all packages coming from the microsoft repo is higher than all packages coming from the Ubuntu repo. This should be fine since the only conflicts are the dotnet ones. You could also specify that only the packages I mentioned (`dotnet` , `aspnetcore` , `netstandard`) should have a higher priority. More info on how to configure `apt` priority is here: wiki.debian.org/AptConfiguration – [Tobias J](#) Oct 27, 2022 at 17:40

1 It seems that the typical extension for files in `/etc/apt/preferences.d` is `*.pref` according to [this askubuntu answer](#). Hence, I'd rename `99microsoft-dotnet` to `99microsoft-dotnet.pref`. – [Kevin](#) Nov 18, 2022 at 21:29

1 @Kevin thanks, my directory was empty so wasn't sure what to use. I updated the answer as suggested & also included info on why the "99" prefix is used. – [Tobias J](#) Nov 18, 2022 at 22:41



36



I had a same error and I did install .Net with microsoft packages. I think the problem is if you have had older .Net or mixing scenarios regarding Ubuntu package and .Net packages(f.x via Jammy or PMC). BTW, I solved my problem to stick with Ubuntu packages and did run this bash script :

```
# First, try to remove/uninstall older .Net, if any, t
echo "$(tput setaf 3)Installing .Net 6$(tput sgr0)"
sudo apt remove 'dotnet*'
sudo apt remove 'aspnetcore*'
sudo apt remove 'netstandard*'
sudo rm /etc/apt/sources.list.d/microsoft-prod.list
sudo rm /etc/apt/sources.list.d/microsoft-prod.list.sa
sudo apt update
sudo apt install dotnet6
```

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answered Oct 26, 2022 at 6:42

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sa.as

461 ● 3 ● 4

I think this should be the accepted answer. YES the accepted one works but quite often you'll find yourself in the same scenario where you have to remove and install again because, for some weird reason, Ubuntu does its own things and messes things up. I found myself having to re-install quite often and that's not ON. – [Mbuso Kotobe](#) Nov 19, 2023 at 1:06

Sticking with the Ubuntu packages is fine but you may well run into the issue that the Ubuntu repository takes longer to update and release their packages. E.G. .net8 has been out for two weeks now and isn't available on 22.04 only 23.04 – [scottdavidwalker](#) Nov 21, 2023 at 9:05



3



In my case I had to remove

`/etc/apt/sources.list.d/mssql-release.list` which had been installed as part of some other work where I needed ODBC drivers. It says mssql, but that's the same source as the MS dotnet packages, causing the interference.



To stick with just the Ubuntu packages:



```
sudo rm -f /etc/apt/sources.list.d/mssql-release.list
sudo apt purge dotnet* aspnetcore* netstandard*
sudo apt update
sudo apt install dotnet-sdk-6.0
```

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answered Jul 27, 2023 at 8:55

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[Mendhak](#)

8,730 ● 6 ● 53 ● 75



I've got this error message after:

2

```
sudo apt install dotnet-host
```



This solved it for me:



```
sudo apt install dotnet-sdk-6.0
```



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answered Jan 25, 2023 at 13:30

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[rundekugel](#)

1,391 ● 1 ● 13 ● 23

1 Did not work for me – [nivs1978](#) Mar 31, 2023 at 12:25

1 On a clean installation of Ubuntu 23.04, per Ubuntu's auto recommendation when attempting to execute `dotnet` but it wasn't installed, I also ran `apt install dotnet-host` and ran into this problem. I can confirm that using the suggested workaround (in my case, `pkg remove dotnet-host; pkg install dotnet-sdk-7.0`) worked. – [Mahmoud Al-Qudsi](#) May 19, 2023 at 17:10



1. First of all, you need to run using super user

2

```
sudo su
```



insert you password and go to second point:



2. If you only want to run a .net code



```
install dotnet-host-7.0
```

2.1) If you want to develop systems using .net

```
apt install dotnet-sdk-7.0
```

If you want to remove older versions:

```
sudo apt remove 'dotnet*'
sudo apt remove 'aspnetcore*'
sudo apt remove 'netstandard'
```

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answered Jun 20, 2023 at 17:10

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Felipe Augusto

1,545 ● 1 ● 17 ● 18



1

In case anyone encounters the same error right now (2023 July), I've tried a lot of the comments and blog posts, but this worked for me perfectly:



There is a part:



```
dotnet --version
```

A fatal error occurred. The folder [/usr/share/dotnet/ Great.

Since there, just follow along and it works :)

Not my solution, all respect to the author of this post:

<https://alexanderzeitler.com/articles/fixing-my-bricked-dotnet-sdk-6-installation-on-xubuntu-ubuntu-after-dotnet-7-sdk-installation/>

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edited Jul 14, 2023 at 13:53

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Tyler2P

2,370 ● 30 ● 25 ● 32

answered Jul 10, 2023 at 8:40



himalczyk

himal 13 ● 4

While this link may answer the question, it is better to include the essential parts of the answer here and provide the link for reference. Link-only answers can become invalid if the linked page changes. – Tyler2P Jul 14, 2023 at 13:53



0

I had this error when I created a new VS Code Dev Container using Ubuntu Jammy and selecting the "dotnet CLI" feature. I ended up switching my Dev Container to use Focal and the problem went away.



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answered Nov 14, 2022 at 20:43

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Alex Dresko

5,203 ● 3 ● 39 ● 60



0

In my case, i needed to do an "Upgrade" before an "Update".



```
sudo apt remove dotnet* aspnetcore* netstandard*
sudo apt upgrade
sudo apt update
sudo apt install dotnet-sdk-6.0
```

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answered Jan 12 at 16:40

Follow



Eduardo Arruda

11 ● 7



0



```
sudo apt remove dotnet-sdk* dotnet-host* dotnet*
aspnetcore* netstandard*
```

```
sudo apt remove aspnetcore*
```

```
sudo apt remove netstandard*
```

```
sudo apt remove dotnet-host*
```

```
sudo apt purge dotnet-sdk* dotnet-host* dotnet*
aspnetcore* netstandard*
```

```
sudo rm -f /etc/apt/sources.list.d/mssql-release.list
```

```
sudo rm /etc/apt/sources.list.d/microsoft-prod.list
```

```
sudo rm /etc/apt/sources.list.d/microsoft-prod.list.save
```

```
sudo apt update
```

Install by App Center: .Net Core SDK, Stable 8.0.101

there is no need for other installations!

```
(sudo snap install dotnet-sdk #Installed by App Center
```

```
sudo apt install dotnet-sdk-8.0 #Installed by App Center
```

```
sudo apt install dotnet-host-8.0 #Installed by dotnet-sdk-8.0)
```

```
dotnet workload update
```

```
source ~/.bashrc
```

```
dotnet sdk check
```

```
dotnet --info
```

```
dotnet --list-sdks
```

```
8.0.100 [/snap/dotnet-sdk/233/sdk]
```

```
dotnet --version
```

```
8.0.100
```

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answered Jan 12 at 21:40

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Mehmet Keçeci

31 ● 6



0

For those running into this problem on MacOS (installed via MacPorts): There seem to be three ports needed to actually run it:



```
sudo port install dotnet-cli  
sudo port install dotnet-runtime-8
```



```
sudo port install dotnet-sdk-8
```



(Or maybe with differing version numbers) I had the same error message as in the original post after installing just `dotnet-cli`, the second install of `dotnet-runtime-8` changed the error-message and the third install of `dotnet-sdk-8` made it finally work.

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answered Apr 24 at 15:46

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Dweia

21 ● 4