

# Manual Installation of .NET SDK in Linux

If you've already installed one or more .NET SDK versions via the package manager, uninstall them before proceeding.

Download the SDK versions you want to install from [here](#). For this example, I'll be installing .NET 8 and .NET 10, downloaded as **dotnet-sdk-8.0.416-linux-x64.tar.gz** and **dotnet-sdk-10.0.100-linux-x64.tar.gz**, respectively.

Open a terminal.

If `~/ .dotnet` already exists (from a previous installation), remove it:

```
rm -rf ~/ .dotnet
```

Create a new, empty .dotnet directory:

```
mkdir ~/ .dotnet
```

Extract the SDK archive(s) into the .dotnet directory:

```
tar xzf dotnet-sdk-8.0.416-linux-x64.tar.gz -C ~/ .dotnet/  
tar xzf dotnet-sdk-10.0.100-linux-x64.tar.gz -C ~/ .dotnet/
```

Add to .profile:

```
export DOTNET_ROOT=$HOME/ .dotnet  
export PATH=$PATH:$DOTNET_ROOT:$DOTNET_ROOT/tools
```

Restart to apply the new .profile settings.

Open a new terminal and verify that the dotnet CLI is working correctly:

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

You should see something like this:

```
8.0.416 [/home/username/.dotnet/sdk]  
10.0.100 [/home/username/.dotnet/sdk]
```

[dotnet](#)

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