

# Install DotNet 6 on Ubuntu

## 24.04

The process of installing DotNet on Ubuntu has evolved a bit. It was especially rocky on Ubuntu v22, where the OS package manager had conflicts with the official Microsoft packages, rendering the installation broken.

But, it appears that in Ubuntu 24.04, it works.

Here are the steps for NET 6 in Ubuntu 24.04:

Taken from here: <https://learn.microsoft.com/en-us/dotnet/core/install/linux-ubuntu-install?tabs=dotnet6&pivots=os-linux-ubuntu-2404>

First, add the repository:

```
sudo add-apt-repository ppa:dotnet/backports
```

Now, you can install the environment that fits the use case for the host.

If you will perform development or compilation on the host, install the SDK:

```
sudo apt-get update && \  
sudo apt-get install -y dotnet-sdk-6.0
```

**NOTE:** Installing the SDK, includes runtimes for .NET with ASP.NET Core support. So, there is no need to install a runtime with the SDK.

If your host will perform only runtime, you need to decide if it requires ASP.NET support or not.

If ASP.NET Core support is needed, use this:

```
sudo apt-get update && \  
sudo apt-get install -y aspnetcore-runtime-6.0
```

If your host doesn't require ASP.NET Core support, install just the .NET runtime with this:

```
sudo apt-get install -y dotnet-runtime-6.0
```

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