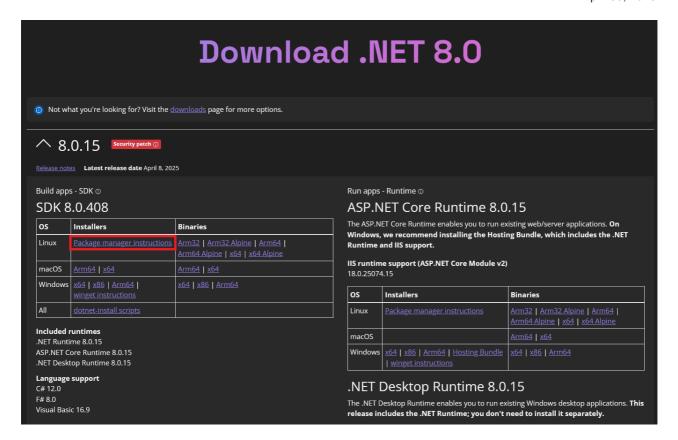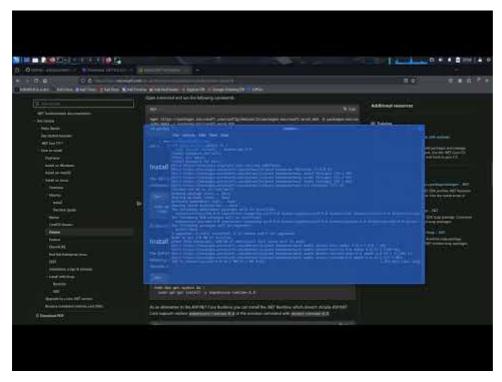# Installing .NET 8 SDK on Kali Linux: Complete Tutorial

fr0stb1rd.gitlab.io/posts/installing-dotnet-8-sdk-on-kali-linux-complete-tutorial

April 30, 2025
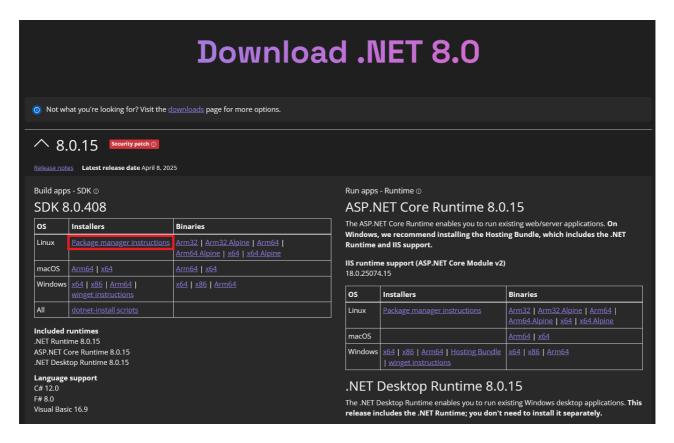

Video Tutorial

Watch Video At: https://youtu.be/WllAvLY7Cc0

Quick Installation

Step 1: Download the .NET 8 SDK

First, go to the .NET SDK download page and click on the "Download .NET 8.0 SDK" button.

Step 2: Find Package Manager Instructions

Click on "Package manager instructions" under SDK 8.* section.

You will see "Packages are available for the following Linux distributions:"

Step 3: Select Debian

Since Kali Linux is based on Debian, click on the Debian option.

Step 4: Follow Debian 12 Instructions

Scroll to the Debian 12 section:

```
Debian 12

Installing with APT can be done with a few commands. Before you install .NET,
run the following commands to add the Microsoft package signing key to your
list of trusted keys and add the package repository.
```

Make sure .NET 8 is selected in the version dropdown and follow those instructions.

> **Important Note**: The commands shown in this tutorial may change over time. Always refer to the official documentation for the most up-to-date instructions.

Note: The following steps are provided as a backup reference. Users should follow the official instructions from Step 4 as they are the same and will be kept updated by Microsoft.

Step 5: Add Microsoft Package Repository

Run the following commands to add the Microsoft package repository:

```
wget https://packages.microsoft.com/config/debian/12/packages-microsoft-prod.deb -O packages-microsoft-prod.deb
sudo dpkg -i packages-microsoft-prod.deb
rm packages-microsoft-prod.deb
```

Step 6: Install .NET 8 SDK

Install the .NET 8 SDK with the following command:

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

Step 7: Install ASP.NET Core Runtime (Optional)

If you need ASP.NET Core Runtime, install it with:

```
sudo apt-get update && \
  sudo apt-get install -y aspnetcore-runtime-8.0
```

Step 8: Install .NET Runtime (Optional)

If you only need the .NET Runtime, install it with:

```
sudo apt-get install -y dotnet-runtime-8.0
```

Step 9: Verify Installation

Verify the installation by checking the installed .NET version:

```
dotnet --
version
```

Updating .NET

When a new patch release is available for .NET, you can upgrade it through APT with:

```
sudo apt-get
update
sudo apt-get
upgrade
```