

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

Download .NET 8.0

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8.0.15 Security patch

[Release notes](#) Latest release date April 8, 2025

Build apps - SDK

SDK 8.0.408

OS	Installers	Binaries
Linux	Package manager instructions	Arm32 Arm32 Alpine Arm64 Arm64 Alpine x64 x64 Alpine
macOS	Arm64 x64	Arm64 x64
Windows	x64 x86 Arm64 winget instructions	x64 x86 Arm64
All	dotnet-install scripts	

Included runtimes

.NET Runtime 8.0.15

ASP.NET Core Runtime 8.0.15

.NET Desktop Runtime 8.0.15

Language support

C# 12.0

F# 8.0

Visual Basic 16.9

Run apps - Runtime

ASP.NET Core Runtime 8.0.15

The ASP.NET Core Runtime enables you to run existing web/server applications. **On Windows, we recommend installing the Hosting Bundle, which includes the .NET Runtime and IIS support.**

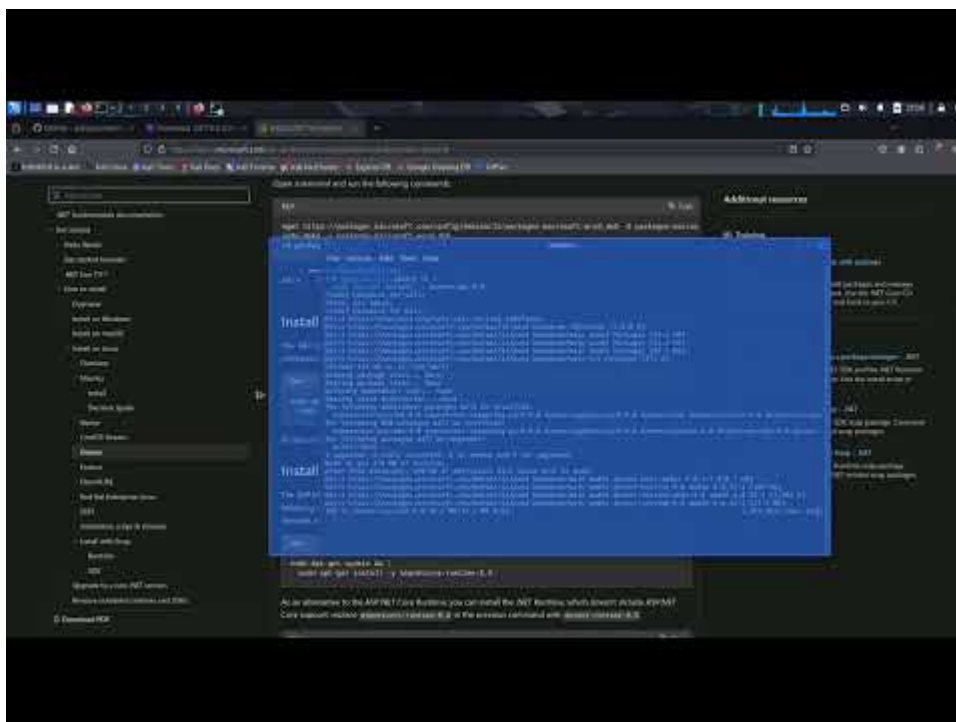
IIS runtime support (ASP.NET Core Module v2)
18.0.25074.15

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.NET Desktop Runtime 8.0.15

The .NET Desktop Runtime enables you to run existing Windows desktop applications. **This release includes the .NET Runtime; you don't need to install it separately.**

Video Tutorial



Watch Video At: <https://youtu.be/WIIAvLY7Cc0>

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.

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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
```