

Installing .NET Core on Ubuntu A Step-by-Step Guide

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Introduction to .NET Core

- Free, open-source, cross-platform framework by Microsoft.
- Allows app development on Windows, macOS, and Linux
- Run .NET apps natively on Ubuntu.
- Versatile for web, desktop, and cloud apps.

Prerequisites

- Ubuntu OS (22.04 LTS)
- Terminal access
- sudo privileges

Installation Steps - Part 1

- Step 1: Update Package Lists:
 - Command: ``sudo apt-get update``
 - Updates the list of available software packages.
- Step 2: Install Dependencies
 - Command: ``sudo apt-get install -y apt-transport-https``
 - Installs necessary dependencies for package management.

Installation Steps - Part 2

- Step 3: Add Microsoft Package Repository:
 - Command:
 1. ``wget -q https://packages.microsoft.com/config/ubuntu/$(lsb_release -rs)/packages-microsoft-prod.deb -O packages-microsoft-prod.deb``
 2. ``sudo dpkg -i packages-microsoft-prod.deb``
 - Adds the Microsoft package repository for .NET Core.

Installation Steps - Part 3

- Step 4: Install .NET SDK
 - Command: ``sudo apt-get install -y dotnet-sdk-6``
 - Adds the Microsoft package repository for .NET Core.

Installation Steps - Part 4

- Step 5: Verify Installation
 - Command: ``dotnet --version``
 - Verifies that .NET Core has been installed successfully.

Conclusion

- Recap
 1. Update package lists.
 2. Install dependencies.
 3. Add Microsoft package repository.
 4. Install .NET SDK.
 5. Verify installation.

References

- <https://learn.microsoft.com/en-us/dotnet/core/install/linux-ubuntu-2204>