.NET Versions

.NET is a free, cross-platform, open-source developer platform for building many different types of applications. Here are some of the latest versions:

Version	Release Date	Support Phase	End of Support
.NET 9.0	November 12, 2024	Standard Term Support (18 months)	May 12, 2026
.NET 8.0	November 12, 2024	Long Term Support (3 years)	November 10, 2026
.NET 7.0	May 28, 2024	Standard Term Support (18 months)	May 14, 2024
.NET 6.0	November 12, 2024	Standard Term Support (18 months)	November 12, 2024
.NET 5.0	May 10, 2022	Standard Term Support (18 months)	May 10, 2022
.NET Core 3.1	December 13, 2022	Standard Term Support (18 months)	December 13, 2022
.NET Core 3.0	February 18, 2020	Standard Term Support (18 months)	March 3, 2020
.NET Core 2.2	November 19, 2019	Standard Term Support (18 months)	December 23, 2019
.NET Core 2.1	August 19, 2021	Standard Term Support (18 months)	August 21, 2021
.NET Core 2.0	July 10, 2018	Standard Term Support (18 months)	October 1, 2018

Namespaces

Namespaces in .NET are used to organize code and prevent naming conflicts. They act as containers for classes, interfaces, and other namespaces. For example, the System namespace contains fundamental classes like ***Console*** and ***DateTime***. You can declare a namespace using the namespace keyword:

```
namespace MyNamespace{
   class MyClass  {
      public void MyMethod()
      {
         System.Console.WriteLine("Hello, World!");
      }
   }
}
```

.NET Core

.NET Core is a cross-platform, open-source, and modular framework for building cloud, web, mobile, and IoT applications. It is designed to be lightweight and fast, with support for multiple platforms like Windows, macOS, and Linux1. .NET Core includes a runtime, a set of libraries, and a compiler.

.NET Solution

A .NET solution is a container that holds one or more projects. It is typically used in Visual Studio to manage and build applications1. A solution file (.sln) includes references to the projects it contains and their dependencies. This allows developers to manage complex applications with multiple components efficiently.