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LET'S GET A LITTLE DEEP

BCL

FCL

CLR

CIL

WHAT'S UP ALL COOL .NET DEVELOPERS?

If you have no idea,
about these four
Important content.
Its ok!

**We are going to talk a
little about them.**

**But if you want more!
Just Tell Me in the
comments.**

**And I will write A
Complete Article For
BCL | FCL | CLR | CIL
With complete detail 😊**

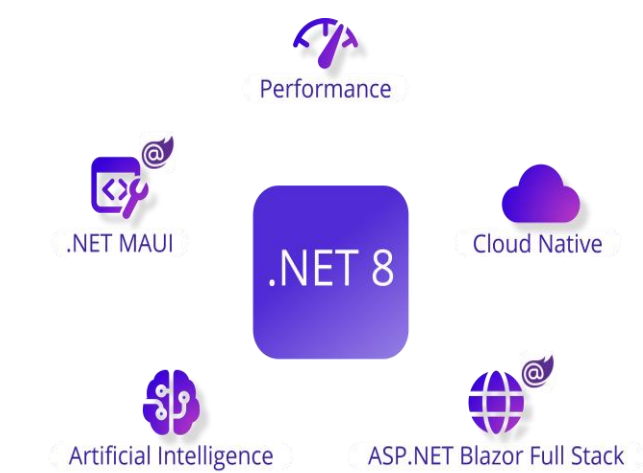


BCL, CIL, FCL, CLR IN .NET

In the context of .NET Framework, BCL, CIL, FCL, and CLR are essential components that facilitate the development of various applications, such as web, desktop, mobile, and enterprise applications. Here's a brief overview of each component:

1. Framework Class Library (FCL): FCL is a wider library that contains the entire .NET ecosystem, including ASP.NET, WinForms, and the XML framework. It is integrated with the CLR and is used by all .NET languages. FCL is a superset of BCL, providing more advanced class libraries and services.

2. Common Language Infrastructure (CLI): CLI is a set of specifications that define the rules and conventions for building and running applications in the .NET ecosystem. It includes the Common Language Runtime (CLR) and the type of system, which are essential for the development and execution of .NET applications



3. Common Language Runtime (CLR): CLR is the component responsible for managing the execution of .NET applications, handling memory allocation and deallocation, and providing services for debugging and profiling.

It works in conjunction with the .NET Framework Class Library (FCL) and the Common Language Infrastructure (CLI).

4. Base Class Library (BCL): Also known as Class Library, BCL is a collection of reusable types closely integrated with the Common Language Runtime (CLR). It provides classes and types helpful in performing day-to-day operations, dealing with strings, primitives, database connections, and I/O operations. BCL is a subset of the Framework Class Library (FCL).

SUMMARY

In summary, the .NET Framework consists of BCL, CIL, FCL, and CLR, which together enable the development and execution of a wide range of applications in various environments, such as web, desktop, mobile, and enterprise applications.

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