

PlatformID Enum

Reference

Definition

Namespace: [System](#)

Assembly: System.Runtime.dll

Identifies the operating system, or platform, supported by an assembly.

```
C#  
  
public enum PlatformID
```

Inheritance [Object](#) → [ValueType](#) → [Enum](#) → PlatformID

Fields

 [Expand table](#)

MacOSX	6	The operating system is Macintosh. This value was returned by Silverlight. On .NET Core, its replacement is <code>Unix</code> .
Other	7	Any other operating system. This includes Browser (WASM).
Unix	4	The operating system is Unix.
Win32NT	2	The operating system is Windows NT or later.
Win32S	0	The operating system is Win32s. This value is no longer in use.
Win32Windows	1	The operating system is Windows 95 or Windows 98. This value is no longer in use.
WinCE	3	The operating system is Windows CE. This value is no longer in use.
Xbox	5	The development platform is Xbox 360. This value is no longer in use.

Examples

The following example demonstrates using the `PlatformID` class to identify the currently executing operating system:

C#

```
// This example demonstrates the PlatformID enumeration.
using System;

class Sample
{
    public static void Main()
    {
        string msg1 = "This is a Windows operating system.";
        string msg2 = "This is a Unix operating system.";
        string msg3 = "ERROR: This platform identifier is invalid.";

        // Assume this example is run on a Windows operating system.

        OperatingSystem os = Environment.OSVersion;
        PlatformID pid = os.Platform;
        switch (pid)
        {
            case PlatformID.Win32NT:
            case PlatformID.Win32S:
            case PlatformID.Win32Windows:
            case PlatformID.WinCE:
                Console.WriteLine(msg1);
                break;
            case PlatformID.Unix:
                Console.WriteLine(msg2);
                break;
            default:
                Console.WriteLine(msg3);
                break;
        }
    }
}

/*
This example produces the following results:

This is a Windows operating system.
*/
```

Remarks

Use the [Environment.OSVersion](#) and [OperatingSystem.Platform](#) properties to obtain the [PlatformID](#) enumeration for the currently executing operating system or development platform. Use the [PlatformID](#) enumeration to help determine whether the current operating system or development platform supports your application.

You can use the underlying integer value of each [PlatformID](#) enumeration member as the [PlatformId](#) argument for the [SignTool.exe \(Sign Tool\)](#) utility.

Applies to

Product	Versions
.NET	Core 2.0, Core 2.1, Core 2.2, Core 3.0, Core 3.1, 5, 6, 7, 8, 9
.NET Framework	1.1, 2.0, 3.0, 3.5, 4.0, 4.5, 4.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8, 4.8.1
.NET Standard	2.0, 2.1

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