

# System.Runtime.InteropServices.CharSet

## Enum

```
[ILAsm]  
.class public sealed serializable CharSet extends System.Enum  
  
[C#]  
public enum CharSet
```

### Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
  - CLSCompliantAttribute(true)

### Summary

Specifies which character set marshaled strings are required to use.

### Inherits From: System.Enum

**Library:** RuntimeInfrastructure

### Description

This enumeration is used by the `System.Runtime.InteropServices.DllImportAttribute` to indicate the required modifications to the `System.String` arguments of an imported function.

[*Note:* See the `System.Runtime.InteropServices.DllImportAttribute` class overview for an example that uses the `System.Runtime.InteropServices.CharSet` enumeration.]

# CharSet.Ansi Field

```
[ILAsm]  
.field public static literal valuetype  
System.Runtime.InteropServices.CharSet Ansi = 2  
  
[C#]  
Ansi = 2
```

## Summary

Specifies that strings will be marshaled in the ANSI character set.

## CharSet.Auto Field

```
[ILAsm]  
.field public static literal valuetype  
System.Runtime.InteropServices.CharSet Auto = 4  
  
[C#]  
Auto = 4
```

### Summary

Specifies that strings will be automatically marshaled in the character set appropriate for the target system (either Unicode or ANSI).

## CharSet.Unicode Field

```
[ILAsm]  
.field public static literal valuetype  
System.Runtime.InteropServices.CharSet Unicode = 3  
  
[C#]  
Unicode = 3
```

### Summary

Specifies that strings will be marshaled in the Unicode character set.