

Silverlight Globalization Class Comparison

This document lists the classes, methods and properties implemented in the .NET Framework's System.Globalization namespace and indicates whether those same features are implemented in Silverlight. Both the .NET Framework and Silverlight are periodically updated so you should check this document for updates.

Guy Smith-Ferrier, 31st March 2009, <http://www.guysmithferrier.com>.

Updated 24th September 2009 and 9th September 2010.

Note that there is no difference in the support of the globalization classes, properties and methods between Silverlight 2.0, 3.0 and 4.0 so the respective columns in the tables below are identical.

System.Globalization Namespace

Silverlight 2.0 mscorlib version: 2.0.40115.0

Silverlight 3.0 mscorlib version: 2.0.5.0

Silverlight 4.0 mscorlib version: 4.0.50826.0

.NET Framework 4.0	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
Calendar	Yes	Yes	Yes
CharUnicodeInfo	Yes	Yes	Yes
ChineseLunisolarCalendar	No	No	No
CompareInfo	Yes	Yes	Yes
CultureAndRegionInfoBuilder	No	No	No
CultureInfo	Yes	Yes	Yes
CultureNotFoundException	No	No	No
DateTimeFormatInfo	Yes	Yes	Yes
DaylightTime	No	No	No
EastAsianLunisolarCalendar	No	No	No
GregorianCalendar	Yes	Yes	Yes
HebrewCalendar	Yes	Yes	Yes

HijriCalendar	Yes	Yes	Yes
IdnMapping	No	No	No
JapaneseCalendar	Yes	Yes	Yes
JapaneseLunisolarCalendar	No	No	No
JulianCalendar	No	No	No
KoreanCalendar	Yes	Yes	Yes
KoreanLunisolarCalendar	No	No	No
NumberFormatInfo	Yes	Yes	Yes
PersianCalendar	No	No	No
RegionInfo	Yes	Yes	Yes
SortKey	No	No	No
StringInfo	Yes	Yes	Yes
TaiwanCalendar	Yes	Yes	Yes
TaiwanLunisolarCalendar	No	No	No
TextElementEnumerator	Yes	Yes	Yes
TextInfo	Yes	Yes	Yes
ThaiBuddhistCalendar	Yes	Yes	Yes
UmAlQuraCalendar	Yes	Yes	Yes

CultureInfo Constructor And Methods

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
CultureInfo(Int32)	No	No	No
CultureInfo(string)	Yes	Yes	Yes
CultureInfo(Int32, Boolean)	No	No	No

CultureInfo(string, Boolean)	No	No	No
ClearCachedData	No	No	No
Clone	Yes	Yes	Yes
CreateSpecificCulture	No	No	No
GetConsoleFallbackUICulture	No	No	No
GetCultureInfo	No	No	No
GetCultureInfoByletfLanguageTag	No	No	No
GetCultures	No	No	No
GetFormat	Yes	Yes	Yes
ReadOnly	Yes	Yes	Yes

CultureInfo Properties

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
Calendar	Yes	Yes	Yes
CompareInfo	Yes	Yes	Yes
CultureTypes	No	No	No
CurrentCulture	Yes	Yes	Yes
CurrentUICulture	Yes	Yes	Yes
DateTimeFormat	Yes	Yes	Yes
DisplayName	Yes	Yes	Yes
EnglishName	Yes	Yes	Yes
letfLanguageTag	No	No	No
InstalledUICulture	No	No	No
InvariantCulture	Yes	Yes	Yes
IsNeutralCulture	Yes	Yes	Yes

IsReadOnly	Yes	Yes	Yes
KeyboardLayoutId	No	No	No
LCID	No	No	No
Name	Yes	Yes	Yes
NativeName	Yes	Yes	Yes
NumberFormat	Yes	Yes	Yes
OptionalCalendars	Yes	Yes	Yes
Parent	Yes	Yes	Yes
TextInfo	Yes	Yes	Yes
ThreeLetterISOLanguageName	No	No	No
ThreeLetterWindowsLanguageName	No	No	No
TwoLetterISOLanguageName	Yes	Yes	Yes
UseUserOverride	No	No	No

RegionInfo Constructor And Methods

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
RegionInfo(Int32)	No	No	No
RegionInfo(string)	Yes	Yes	Yes

RegionInfo Properties

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
CurrencyEnglishName	No	No	No
CurrencyNativeName	No	No	No
CurrencySymbol	Yes	Yes	Yes
CurrentRegion	Yes	Yes	Yes

DisplayName	Yes	Yes	Yes
EnglishName	Yes	Yes	Yes
Geold	No	No	No
IsMetric	Yes	Yes	Yes
ISOCurrencySymbol	Yes	Yes	Yes
Name	Yes	Yes	Yes
NativeName	Yes	Yes	Yes
ThreeLetterISORegionName	No	No	No
ThreeLetterWindowsRegionName	No	No	No
TwoLetterISORegionName	Yes	Yes	Yes

TextInfo Constructor And Methods

(There is no public TextInfo constructor).

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
ReadOnly	No	No	No
ToLower	Yes	Yes	Yes
ToTitleCase	No	No	No
ToUpper	Yes	Yes	Yes

TextInfo Properties

.NET Framework	Implemented In Silverlight 4 ?	Implemented In Silverlight 3 ?	Implemented In Silverlight 2 ?
ANSICodePage	No	No	No
CultureName	Yes	Yes	Yes
EBCDICCodePage	No	No	No
IsReadOnly	Yes	Yes	Yes

IsRightToLeft	No	No	No
LCID	No	No	No
ListSeparator	Yes	Yes	Yes
MacCodePage	No	No	No
OEMCodePage	No	No	No