Microsoft .NET Framework 3.5

Commonly Used Types and Namespaces

Microsoft .net Framework 3.5

Windows Presentation Foundation

System.Windows
- Style
- Trigger
- UIElement3D NEW
- Visibility
- Window

System.Windows.Controls
- Border
- Button
- CheckBox
- ColumnDefinition
- ContextMenu
- ControlTemplate
- DockPanel
- FlowDocumentReader
- Frame
- Grid
- Image
- InkCanvas
- ItemCollection
- ItemsPresenter
- ListBox
- ListView
- MediaElement
- Menu
- MenuItem
- Page
- PasswordBox
- ProgressBar
- RadioButton
- RichTextBox
- RowDefinition
- ScrollViewer
- Slider
- SpellCheck
- StackPanel
- TabControl
- TabItem
- TextBlock
- TextBox
- ToolBar
- ToolTip
- TreeView
- UIElementCollection
- ViewBox
- Viewport3D
- VirtualizingStackPanel
- WrapPanel

System.Windows.Controls.Primitives
- Popup
- RepeatButton
- ScrollBar
- StatusBar
- TabPanel
- Thumb
- ToggleButton
- UniformGrid

System.Windows.Data
- Binding
- CollectionView
- DataSourceProvider
- MultiBinding
- ObjectDataProvider
- XmlDataProvider

System.Windows.Documents
- Block
- Bold
- Figure
- FlowDocument
- FixedDocument
- Figure
- Floater
- Hyperlink
- Inline
- Italic
- List
- ListItem
- Paragraph
- Run
- Section
- Span
- Table
- TableCell
- TableColumn
- TableRowGroup
- TextPointer
- TextRange
- TextSelection
- Underline

System.Windows.Documents.Serialization
- SerializerWriter
- SerializerProvider
- SerializerDescriptor

System.Windows.Forms.Integration
- ElementHost
- WindowsFormsHost

System.Windows.Input
- Cursor
- Cursors
- FocusManager
- InputDevice
- Keyboard
- KeyboardNavigation
- Mouse
- Stylus

System.Windows.Interop
- BrowserInteropHelper
- HwndHost
- InteropBitmap
- WindowInteropHelper

System.Windows.Markup
- MarkupExtension
- XamlReader
- XamlWriter

System.Windows.Media
- Colors
- DrawingBrush
- ImageBrush
- RadialGradientBrush
- RotateTransform
- ScaleTransform
- SolidColorBrush
- LinearGradientBrush

System.Windows.Media.Animation
- DoubleAnimation
- StoryBoard
- Timeline

System.Windows.Media.Effects
- BlurBitmapEffect
- DropShadowBitmapEffect

System.Windows.Media.Imaging
- BitmapImage
- RenderTargetBitmap
- WritableBitmap

System.Windows.Media.Media3D
- AmbientLight
- DiffuseMaterial
- DirectionalLight
- GeometryModel3D
- SpecularMaterial
- PerspectiveCamera
- ModelVisual3D

System.Windows.Navigation
- BaseUriHelper
- JournalEntry
- NavigationWindow
- PageFunction<T>

System.Windows.Shapes
- Ellipse
- Line
- Path
- Polygon
- Rectangle

System.Windows.Threading
- DispatcherObject
- DispatcherTimer

System.Windows.Xps
- VisualsToXpsDocument
- XpsDocumentWriter

System.Windows.Xps.Serialization
- XpsSerializationManager
- XpsSerializationManagerAsync

Windows Forms

System.Drawing
- Bitmap
- Brush
- Color
- Font
- Icon
- Image
- Pen

System.Drawing.Printing
- PrintDocument
- PrinterSettings

System.Media
- SoundPlayer CF

System.Windows.Forms
- Button CF
- CheckBox CF
- ComboBox CF
- DataGrid CF
- DateTimePicker CF
- Form CF
- Label CF
- ListBox CF
- ListView CF
- MessageBox CF
- NumericUpDown CF
- OpenFileDialog CF
- PictureBox CF
- ProgressBar CF
- RadioButton CF
- RichTextBox CF
- TabControl CF
- TextBox CF
- TreeView CF
- UserControl CF
- WebBrowser CF

ASP.NET

System.Web
- HttpApplication
- HttpCookie
- HttpRequest
- HttpResponse
- HttpRuntime
- HttpServerUtility

System.Web.ApplicationServices NEW
- AuthenticationService NEW
- ProfileService NEW
- RoleService NEW

System.Web.Caching
- Cache

System.Web.ClientServices NEW
- ClientFormsIdentity NEW
- ClientRolePrincipal NEW
- ConnectivityStatus NEW

System.Web.ClientServices.Providers NEW
- ClientFormsAuthenticationMembershipProvider NEW
- ClientRoleProvider NEW

System.Web.Compilation
- BuildProvider

System.Web.Configuration
- WebConfigurationManager NEW

System.Web.Hosting
- ApplicationManager

System.Web.Management
- WebBasedEvent

System.Web.Security
- FormsAuthentication
- FormsIdentity
- Membership
- Roles

System.Web.SessionState
- HttpSessionState

System.Web.UI
- Control
- MasterPage
- Page
- ScriptManager NEW
- System.Web.UI
- UpdatePanel NEW
- UpdateProgress NEW
- UserControl

System.Web.UI.HtmlControls
- HtmlButton
- HtmlControl
- HtmlForm
- HtmlInputControl

System.Web.UI.WebControls
- Content
- DetailsView
- FormView
- GridView
- LinqDataSource
- ListView
- LogIn
- Menu
- ObjectDataSources
- TreeView
- Wizard

System.Web.UI.WebControls.WebParts
- WebPart

Communications and Workflow

System.Messaging
- Message CF
- MessageQueue CF

System.Net
- Dns CF
- FtpWebRequest
- HttpListener
- HttpWebRequest CF SL
- WebClient

System.Net.Mail
- MailMessage
- SmtpClient

System.Net.NetworkInformation
- NetworkInterface
- NetworkChange
- Ping

System.Net.PeerToPeer NEW
- Cloud NEW
- PeerName NEW
- PeerNameRecord NEW
- PeerNameResolver NEW

System.Net.PeerToPeer.Collaboration NEW
- ContactManager NEW
- PeerApplication NEW
- PeerCollaboration NEW
- PeerContact NEW
- PeerNearMe NEW

System.Net.Security
- NegotiateStream
- SslStream

System.Net.Sockets
- NetworkStream CF
- Socket CF
- TcpClient
- TcpListener
- UdpClient

System.ServiceModel
- DurableServiceAttribute 3.0
- DurableOperationAttribute 3.0
- OperationContractAttribute 3.0
- OperationBehaviorAttribute 3.0
- NetMsmqBinding 3.0
- NetTcpBinding 3.0
- ServiceBehaviorAttribute 3.0
- ServiceContractAttribute 3.0
- ServiceHost 3.0
- WorkflowServiceHost 3.0
- WSHttpBinding 3.0

System.ServiceModel.Activation
- AspNetCompatibilityRequirementsAttribute 3.0
- ServiceHostFactory 3.0
- WorkflowServiceHostFactory 3.0

System.ServiceModel.Channels
- Binding 3.0 CF
- CommunicationObject 3.0 CF
- Message 3.0 CF
- IChannel 3.0 CF

System.ServiceModel.ComIntegration
- ServiceMoniker 3.0

System.ServiceModel.Description
- IEndpointBehavior 3.0
- IOperationBehavior 3.0
- IServiceBehavior 3.0
- MetadataImporter 3.0
- MetadataExporter 3.0
- OperationDescription 3.0
- ServiceEndpoint 3.0
- ServiceDescription 3.0
- WebHttpBehavior 3.0
- WebScriptEnablingBehavior 3.0
- WorkflowRuntimeBehavior 3.0

System.ServiceModel.Diagnostics
- PerformanceCounterScope 3.0

System.ServiceModel.Dispatcher
- ClientOperation 3.0
- ClientRuntime 3.0
- DispatchOperation 3.0
- DispatchRuntime 3.0

System.ServiceModel.MsmqIntegration
- MsmqIntegrationBinding 3.0

System.ServiceModel.PeerResolvers
- CustomPeerResolverService 3.0

System.ServiceModel.Persistence NEW
- PersistenceProvider NEW
- PersistenceProviderFactory NEW
- SqlPersistenceProviderFactory NEW

System.ServiceModel.Security
- SecurityAlgorithmSuite CF
- SecurityMessageProperty
- SecurityVersion CF

System.ServiceModel.Syndication NEW
- Atom10FeedFormatter NEW
- Rss20FeedFormatter NEW
- SyndicationFeed NEW
- SyndicationItem NEW

System.ServiceModel.Web NEW
- WebGetAttribute NEW
- WebInvokeAttribute NEW
- WebOperationContext NEW
- WebServiceHost NEW

System.Web.Services
- WebService

System.Web.Services.Protocols
- SoapHttpClientProtocol CF

System.Workflow.Activities
- CodeActivity 3.0
- SequenceActivity 3.0
- ParallelActivity 3.0
- ReceiveActivity 3.0
- SendActivity 3.0
- StateMachineWorkflowActivity 3.0

System.Workflow.Activities.Rules
- Rule 3.0
- RuleAction 3.0
- RuleCondition 3.0
- RuleSet 3.0

System.Workflow.Activities.Rules.Design
- RuleConditionDialog 3.0
- RuleSetDialog 3.0

System.Workflow.ComponentModel
- Activity 3.0
- ActivityExecutionContext 3.0
- CompositeActivity 3.0

System.Workflow.ComponentModel.Compiler
- WorkflowCompiler 3.0

System.Workflow.ComponentModel.Design
- ActivityDesigner 3.0

System.Workflow.ComponentModel.Serialization
- WorkflowMarkupSerializer 3.0

System.Workflow.Runtime
- WorkflowInstance 3.0
- WorkflowRuntime 3.0

System.Workflow.Runtime.Hosting
- WorkflowLoaderService 3.0
- WorkflowPersistenceService 3.0
- WorkflowRuntimeService 3.0
- WorkflowSchedulerService 3.0

System.Workflow.Runtime.Tracking
- TrackingService 3.0

DATA, XML and LINQ

System.Data
- DataColumn CF
- DataRow CF
- DataSet CF
- DataTable CF
- DataView CF

System.Data.Common
- DbCommand CF
- DbConnection CF
- DbDataAdapter CF
- DbDataReader CF
- DbProviderFactory

System.Data.Linq NEW
- DataContext NEW
- EntityRef<T> NEW
- EntitySet<T> NEW
- Table<T> NEW

System.Data.Linq.Mapping NEW
- AttributeMappingSource NEW
- Metamodel NEW
- XmlMappingSource NEW

System.Data.Odbc
- OdbcCommand
- OdbcConnection
- OdbcDataAdapter
- OdbcDataReader

System.Data.OleDb
- OleDbCommand
- OleDbConnection
- OleDbDataAdapter
- OleDbDataReader

System.Data.OracleClient
- OracleCommand
- OracleConnection
- OracleDataAdapter
- OracleDataReader

System.Data.SqlClient
- SqlCommand CF
- SqlConnection CF
- SqlDataAdapter CF
- SqlDataReader CF
- SqlNotification

System.Xml
- XmlAttribute CF
- XmlDocument CF
- XmlElement CF
- XmlNode CF
- XmlReader CF SL
- XmlWriter CF SL

System.Xml.Linq NEW
- XAttribute NEW
- XDocument NEW
- XElement NEW
- XName NEW
- XNamespace NEW
- XNode NEW
- XText NEW

System.Xml.Schema
- XmlSchema CF
- XmlSchemaSet
- XmlSchemaValidator

System.Xml.Serialization
- XmlSerializer CF

System.Xml.XPath
- XPathDocument
- XPathExpression
- XPathNavigator

System.Xml.Xsl
- XsltArgumentList
- XslCompiledTransform

What is the .NET Framework?

The .NET Framework is the managed code programming model for Windows. It provides a highly productive environment for software developers and offers excellent skills reuse across multiple application architectures. The .NET Framework is available with the same consistent API across different development platforms, including the full .NET Framework for the desktop and server, the .NET Compact Framework for mobile devices, the .NET Framework on SQL Server, the .NET Micro Framework for small embedded systems such as SPOT watches, and Silverlight version 1.1 for cross-platform, cross-browser development of rich Internet applications. The .NET Framework is in use by 90% of fortune 100 companies and is easily deployable to end user PCs.

Key

- NEW — New with the .NET Framework 3.5
- 3.0 — New with the .NET Framework 3.0
- CF — Also available in the .NET Compact Framework 3.5
- SL — Planned for implementaiton in Silverlight 1.1. Subject to change.

Fundamentals

System
- Array CF SL
- Boolean CF SL
- Byte CF SL
- Char CF SL
- Console CF SL
- DateTime CF SL
- DateTimeOffset NEW SL
- Decimal CF SL
- Delegate CF SL
- Enum CF SL
- Environment CF SL
- EventArgs CF SL
- Exception CF SL
- Int32 CF SL
- Int64 CF SL
- Math CF SL
- Object CF SL
- String CF SL
- TimeZoneInfo NEW SL
- Type CF SL
- Uri SL

System.AddIn.Contract NEW
- IContract NEW
- INativeHandleContract NEW

System.AddIn.Hosting NEW
- AddInProcess NEW
- AddInStore NEW
- AddInSecurity NEW
- AddInToken NEW

System.AddIn.Pipeline NEW
- ContractBase NEW
- ContractHandle NEW
- CollectionAdapters NEW
- FrameworkElementAdapters NEW

System.Collections
- ArrayList CF
- IEnumerable SL
- HashTable CF

System.Collections.Generic
- Dictionary<K,V> CF SL
- HashSet<T> NEW
- IEnumerable<T> SL
- List<T> CF SL
- Queue<T> CF
- Stack<T> CF

System.ComponentModel
- Component CF
- TypeConverter CF

System.Configuration
- Configuration CF

System.Diagnostics
- Debug CF SL
- EventLog
- EventSchemaTraceListener NEW
- Process CF
- Trace CF

System.Diagnostics.Eventing NEW
- EventDescriptor NEW
- EventProvider NEW
- EventProviderTraceListener NEW

System.Diagnostics.Eventing.Reader NEW
- EventLogInformation NEW
- EventLogReader NEW
- EventLogRecord NEW
- EventLogWatcher NEW
- EventRecord NEW
- ProviderMetadata NEW

System.Diagnostics.PerformanceData NEW
- CounterData NEW
- CounterSet NEW

System.DirectoryServices
- DirectoryEntry
- DirectorySearcher

System.DirectoryServices.ActiveDirectory
- Domain
- Forest

System.EnterpriseServices
- ServiceComponent

System.Globalization
- Calendar CF SL
- CultureInfo CF SL
- RegionInfo CF
- TextInfo CF SL

System.IdentityModel.Claims
- Claim 3.0
- ClaimSet 3.0

System.IO
- Directory CF SL
- File CF SL
- FileStream CF SL
- Path CF SL
- Stream CF SL
- StreamReader CF SL
- StreamWriter CF SL

System.IO.Compression
- GZipStream CF

System.IO.IsolatedStorage
- IsolatedStorage

System.IO.Pipes NEW
- AnonymousPipeClientStream NEW
- AnonymousPipeServerStream NEW
- NamedPipeClientStream NEW
- NamedPipeServerStream NEW
- PipeSecurity NEW
- PipeStream NEW

System.IO.Ports
- SerialPort CF

System.Linq NEW
- IQueryable<T> NEW SL
- Queryable NEW SL

System.Linq.Expressions NEW
- Expression<T> NEW SL
- Expression NEW SL

System.Reflection
- Assembly CF SL
- FieldInfo CF SL
- MemberInfo CF SL
- MethodInfo CF SL
- PropertyInfo CF SL

System.Reflection.Emit
- AssemblyBuilder SL
- MethodBuilder SL
- TypeBuilder SL

System.Resources
- ResourceManager CF SL

System.Runtime.Serialization
- ISerializable
- DataContractSerializer
- DataContractAttribute
- DataMemberAttribute
- XmlDictionaryReader
- XmlDictionaryWriter

System.Runtime.Serialization.Json NEW
- DataContractJsonSerializer NEW
- JsonReaderWriterFactory NEW

System.Security
- SecureString
- SecurityManager SL

System.Security.AccessControl
- AccessRule
- FileSecurity
- ObjectSecurity

System.Security.Cryptography
- ECDsaCng NEW
- SHA1 CF
- TripleDES CF

System.Security.Cryptography.X509Certificates
- X509Store CF

System.Security.Principal
- WindowsIdentity

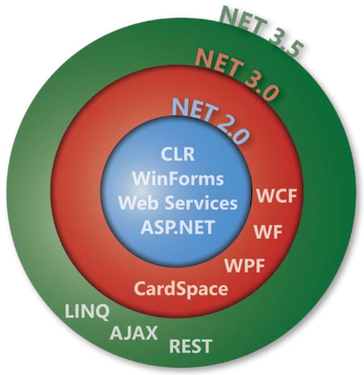
System.ServiceProcess
- ServiceBase

System.Text
- Encoding CF SL
- StringBuilder CF SL

System.Text.RegularExpressions
- Regex CF SL

System.Threading
- ReaderWriterLockSlim NEW
- Semaphore
- Thread CF SL
- WaitHandle CF SL

System.Transactions
- Transaction



Additive versions of the .NET Framework