

OpcServer Class

Namespace: Opc.UaFx.Server

Assemblies: Opc.UaFx.Advanced.dll

C#

```
public class OpcServer : OpcServerBase, IDisposable, IOpcApplicationInstance,
IOpcNamespaceResolver
```

Inheritance Object > OpcApplicationInstance<OpcTransport, OpcServerSecurity> > OpcServerBase > OpcServer

Implements IDisposable, IOpcApplicationInstance, IOpcNamespaceResolver

Constructors

Name	Description
OpcServer	
OpcServer(Action)	
OpcServer(IEnumerable)	
OpcServer(IEnumerable)	
OpcServer(IOpcNode)	
OpcServer(OpcNodeManager)	
OpcServer(String)	
OpcServer(String, Action)	
OpcServer(String, IEnumerable)	
OpcServer(String, IEnumerable)	
OpcServer(String, IOpcNode)	
OpcServer(String, OpcNodeManager)	
OpcServer(Uri)	
OpcServer(Uri, Action)	
OpcServer(Uri, IEnumerable)	
OpcServer(Uri, IEnumerable)	
OpcServer(Uri, IOpcNode)	
OpcServer(Uri, OpcNodeManager)	

Fields

Name	Description
DefaultAddress	

Events

Name	Description
RequestProcessed	

Name	Description
RequestProcessing	
RequestValidated	
RequestValidating	
SessionActivated	
SessionActivating	
SessionClosed	
SessionClosing	
SessionCreated	
SessionCreating	
Started	(Inherited from OpcServerBase)
Starting	(Inherited from OpcServerBase)
StateChanged	Occurs when ever the State property has been changed to a different value. (Inherited from OpcServerBase)
Stopped	(Inherited from OpcServerBase)
Stopping	(Inherited from OpcServerBase)
SubscriptionCreated	Occurs when a new subscription is created through a OpcSession .
SubscriptionDeleted	Occurs when an existing subscription of a OpcSession has been deleted.

Properties

Name	Description
Address	Gets or sets the (first) base address of the server. (Inherited from OpcServerBase)
Addresses	Gets a read-only collection of Uri instances representing the base addresses used by the server. (Inherited from OpcServerBase)
Binding	Gets the OpcServerBinding instance used to maintain the different binding options used by the server application. (Inherited from OpcServerBase)
Configuration	Gets or sets an instance of the OpcApplicationConfiguration class which is used as a low-level representation of the code/file based server application configuration. (Inherited from OpcServerBase)
DefaultNodeManager	
Diagnostics	
Globalization	Gets the OpcServerGlobalization instance used to control the localization and other globalization related tasks.
Name	(Inherited from OpcServerBase)
Namespaces	Gets a read-only collection of namespaces used by the server. (Inherited from OpcServerBase)
NodeManagers	
State	Gets a value that indicates the current state of the server. (Inherited from OpcServerBase)
SystemContext	Gets the OpcContext which is used to store the context sensitive data and configuration used by the current OpcServer instance.

Methods

Name	Description
CreateConfiguration	

Name	Description
CreateConfiguration	(Inherited from OpcServerBase)
CreateSecurity	Creates a new instance of the OpcServerSecurity class. (Inherited from OpcServerBase)
CreateTransport	Creates a new instance of the OpcTransport class. (Inherited from OpcServerBase)
DenyIfNotStarted	Verifies whether the server is in started state. (Inherited from OpcServerBase)
Dispose(Boolean)	Releases the unmanaged resources used by the OpcServerBase and optionally releases the managed resources. (Inherited from OpcServerBase)
GetEndpoints	
GetInfo	(Inherited from OpcServerBase)
GetInfoCore	(Inherited from OpcServerBase)
GetSession(OpcNodeId)	Retrieves the OpcSession associated with the sessionId specified.
GetSessions	Retrieves all currently known sessions created on the current OpcServer .
GetSubscription	
OnRequestProcessed(OpcRequestProcessedEventArgs)	
OnRequestProcessing(OpcRequestProcessingEventArgs)	
OnRequestValidated(OpcRequestValidatedEventArgs)	
OnRequestValidating(OpcRequestValidatingEventArgs)	
OnSessionActivated(OpcSessionEventArgs)	
OnSessionActivating(EventArgs)	
OnSessionClosed(EventArgs)	
OnSessionClosing(OpcSessionEventArgs)	
OnSessionCreated(OpcSessionEventArgs)	
OnSessionCreating(EventArgs)	
OnStarted(EventArgs)	(Inherited from OpcServerBase)
OnStarting(EventArgs)	(Inherited from OpcServerBase)
OnStateChanged(OpcServerStateChangedEventArgs)	(Inherited from OpcServerBase)
OnStopped(EventArgs)	(Inherited from OpcServerBase)
OnStopping(EventArgs)	(Inherited from OpcServerBase)
OnSubscriptionCreated(OpcSubscriptionEventArgs)	Raises the SubscriptionCreated event of the OpcServer .
OnSubscriptionDeleted(OpcSubscriptionEventArgs)	Raises the SubscriptionDeleted event of the OpcServer .
RegisterAddress(String)	Registers the address specified as one of the base addresses used by the server. (Inherited from OpcServerBase)
RegisterAddress(Uri)	Registers the address specified as one of the base addresses used by the server. (Inherited from OpcServerBase)

Name	Description
ReportEvent(IOPCNode, OpcEventSeverity, OpcText)	Produces a global event using the event data specified.
ReportEvent(IOPCNode, OpcEventSeverity, OpcText, Object)	Produces a global event using the event data specified.
ReportEvent(OpcEventNode)	Produces a global event using the eventNode specified.
ReportEvent(OpcEventSeverity, OpcText)	Produces a global event using the event data specified.
ReportEvent(OpcEventSeverity, OpcText, Object)	Produces a global event using the event data specified.
ReportEvent(OpcNodeId, String, OpcEventSeverity, OpcText)	Produces a global event using the event data specified.
ReportEvent(OpcNodeId, String, OpcEventSeverity, OpcText, Object)	Produces a global event using the event data specified.
Resume	(Inherited from OpcServerBase)
ResumeCore	
ResumeCore	(Inherited from OpcServerBase)
Setup(OpcApplicationConfiguration)	(Inherited from OpcServerBase)
Start	(Inherited from OpcServerBase)
StartCore(OpcApplicationConfiguration)	
StartCore(OpcApplicationConfiguration)	(Inherited from OpcServerBase)
Stop	(Inherited from OpcServerBase)
StopCore	
StopCore	(Inherited from OpcServerBase)
Suspend	(Inherited from OpcServerBase)
SuspendCore	
SuspendCore	(Inherited from OpcServerBase)
UnregisterAddress(String)	Unregisters the address specified from the list of base addresses used by the server. (Inherited from OpcServerBase)
UnregisterAddress(Uri)	Unregisters the address specified from the list of base addresses used by the server. (Inherited from OpcServerBase)

Table of Contents

Constructors	1
Fields	1
Events	1
Properties	2
Methods	2

