

# OpcAcknowledgeableCondition Class

**Namespace:** Opc.UaFx

**Assemblies:** Opc.UaFx.Advanced.dll

Represents a snapshot of a 'Opc.UaFx.OpcAcknowledgeableConditionNode'.

**C#**

```
public class OpcAcknowledgeableCondition : OpcCondition
```

**Inheritance** [Object](#) > [OpcEvent](#) > [OpcCondition](#) > OpcAcknowledgeableCondition

**Derived**

- [OpcAlarmCondition](#)

## Constructors

| Name                                                                | Description                                                                                                                        |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">OpcAcknowledgeableCondition(IReadOnlyNodeDataStore)</a> | Initializes a new instance of the <a href="#">OpcAcknowledgeableCondition</a> class using the <a href="#">dataStore</a> specified. |

## Events

| Name                        | Description                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">TypeResolve</a> | Occurs when the resolution of an event type fails. Use this event to manually provide the <a href="#">Type</a> to use for a specific event type definition identifier.<br>(Inherited from <a href="#">OpcEvent</a> ) |

## Properties

| Name                               | Description                                                                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">BranchId</a>           | Gets an identifier which identifies the branch to that the event does belong.<br>(Inherited from <a href="#">OpcCondition</a> )                                                                                  |
| <a href="#">ClientUserId</a>       | Gets an identifier that is related to the <a href="#">Comment</a> and contains the identity of the user who inserted the most recent <a href="#">Comment</a> .<br>(Inherited from <a href="#">OpcCondition</a> ) |
| <a href="#">Comment</a>            | Gets the last comment provided for a certain state (condition branch).<br>(Inherited from <a href="#">OpcCondition</a> )                                                                                         |
| <a href="#">ConditionClassId</a>   | Gets a value which specifies in which domain this condition is used. It is the <a href="#">OpcNodeId</a> of the corresponding condition class type.<br>(Inherited from <a href="#">OpcCondition</a> )            |
| <a href="#">ConditionClassName</a> | Gets a value that matches the display name of the condition class type.<br>(Inherited from <a href="#">OpcCondition</a> )                                                                                        |
| <a href="#">ConditionName</a>      | Gets a value which identifies the condition instance that the event originated from.<br>(Inherited from <a href="#">OpcCondition</a> )                                                                           |

| Name         | Description                                                                                                                                                                                              |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DataStore    | Gets the <a href="#">IOpcReadOnlyNodeDataStore</a> which contains the data of the <a href="#">OpcEvent</a> instance.<br>(Inherited from <a href="#">OpcEvent</a> )                                       |
| EventId      | Gets a value generated by the server to uniquely identify a particular event notification.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                 |
| EventType    | Gets the type of event.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                                                                                    |
| EventTypeId  | Gets node identifier which describes the specific type of event.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                                           |
| IsAcked      | Gets a value indicating whether the condition requires acknowledgement for the reported condition state.                                                                                                 |
| IsConfirmed  | Gets a value indicating whether the condition requires confirmation for the reported condition state.                                                                                                    |
| IsEnabled    | Gets a value indicating whether the condition is enabled.<br>(Inherited from <a href="#">OpcCondition</a> )                                                                                              |
| IsRetained   | Gets a value indicating whether the condition is in a state that is interesting for a client wishing to synchronize its state with the server's state.<br>(Inherited from <a href="#">OpcCondition</a> ) |
| LastSeverity | Gets a value which provides the previous severity of the condition branch.<br>(Inherited from <a href="#">OpcCondition</a> )                                                                             |
| Message      | Gets a value which defines a human-readable and localizable text description of the event.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                 |
| NodeId       | Gets the identifier of the node from which this event data snapshot has been created.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                      |
| Quality      | Gets a value which reveals the status of process values or other resources that this condition is based upon.<br>(Inherited from <a href="#">OpcCondition</a> )                                          |
| ReceiveTime  | Gets the time the OPC UA server received the event from the underlying device of another server.<br>(Inherited from <a href="#">OpcEvent</a> )                                                           |
| Severity     | Gets an indication of the urgency of the event.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                                                            |
| SourceName   | Gets a description of the source of the event.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                                                             |
| SourceNodeId | Gets the node identifier which identifies the node that the event originated from.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                         |
| Time         | Gets the time the event occurred.<br>(Inherited from <a href="#">OpcEvent</a> )                                                                                                                          |

## Methods

| Name                           | Description                                                                                                                                                                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">RegisterType`1</a> | Registers the type defined by <a href="#">T</a> as the <a href="#">OpcEvent</a> type to create in case there an event instance is to be created for the type definition identified by the <a href="#">OpcEventTypeAttribute</a> defined on the <a href="#">T</a> specified.<br>(Inherited from <a href="#">OpcEvent</a> ) |

| Name                         | Description                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RegisterType`1(OpcNodeId)    | Registers the type defined by <b>T</b> as the <b>OpcEvent</b> type to create in case there an event instance is to be created for the type definition identified by the <b>eventType</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                                                                                          |
| RegisterTypes(Assembly)      | Registers all non-abstract types in the <b>assembly</b> specified which defines the <b>OpcEventTypeAttribute</b> and inherit from <b>OpcEvent</b> .<br>(Inherited from <b>OpcEvent</b> )                                                                                                                                                                          |
| RegisterTypes(IEnumerable)   | Registers the <b>eventTypes</b> specified as the <b>OpcEvent</b> type to create in case there an event instance is to be created for one of the type definitions identified by the <b>OpcEventTypeAttribute</b> used on one of the <b>eventTypes</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                              |
| RegisterTypes(Type, Type)    | Registers the <b>eventType</b> and the further specified <b>eventTypes</b> as the <b>OpcEvent</b> types to create in case there an event instance is to be created for one of the type definitions identified by the <b>OpcEventTypeAttribute</b> used on the <b>eventType</b> or on one of the <b>eventTypes</b> specified.<br>(Inherited from <b>OpcEvent</b> ) |
| UnregisterType`1             | Unregisters the previously registered (see <b>RegisterType`1</b> ) type defined by <b>T</b> as the <b>OpcEvent</b> type to not longer create for the type definition identified by the <b>OpcEventTypeAttribute</b> defined on the <b>T</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                                       |
| UnregisterType`1(OpcNodeId)  | Unregisters the previously registered (see <b>RegisterType`1(OpcNodeId)</b> ) type defined by <b>T</b> as the <b>OpcEvent</b> type to not longer create for the type definition identified by the <b>eventType</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                                                                |
| UnregisterTypes(Assembly)    | Unregisters all previously registered types (see <b>RegisterTypes(Assembly)</b> ) in the <b>assembly</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                                                                                                                                                                          |
| UnregisterTypes(IEnumerable) | Unregisters the previously registered (see <b>RegisterTypes(IEnumerable)</b> ) <b>eventTypes</b> specified.<br>(Inherited from <b>OpcEvent</b> )                                                                                                                                                                                                                  |
| UnregisterTypes(Type, Type)  | Unregisters the previously registered <b>eventType</b> and the further specified <b>eventTypes</b> (see <b>RegisterTypes(Type, Type)</b> ).<br>(Inherited from <b>OpcEvent</b> )                                                                                                                                                                                  |



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