

PointExt

Summary

The PointExt allows a point to interact with a remote Service.
The Point will be able to send data but it will also be possible to modify the point from the Service.

▶ ⚙️ Advanced Config	Advanced Config
📁 Status	{ok}
📁 Fault Cause	
📁 Enabled	<input checked="" type="checkbox"/> true
📁 Device Query	slot:... neql:traverse n:parentDevice-> 📁 ▶ ?
📁 Trigger On Value Change Only	<input checked="" type="checkbox"/> true
📁 Can Write	<input checked="" type="checkbox"/> true

Implementation

- First you must setup a [RealTimeConnector](#) and a parent Device with a [DeviceExt](#).
- Drag and drop the PointExt from the palette to any Point.
- If needed change the Device Query to target a Component with a DeviceExt and initialize the PointExt.

Properties

- *Status*: Status of the PointExt.
- *FaultCause*: Message that complements the PointExt status (generally used to explain the reason for an initialization failure).
- *Enabled*: Indicates whether the Extension is enabled or not.
- *DeviceQuery*: Ord to the related Device.
- *TriggerOnValueChangeOnly*: By default a value is sent only if the extension detects a change. but you can change this by switching this property to false.
- *CanWrite*: Determines whether the database can change the value of the parent WritablePoint through a command.

Advanced Config

📁 Inhibit Time On Start	+00000h 00m 10s
📁 Min Send Time	+00000h 00m 00s
📁 Max Send Time	+00000h 00m 00s
📁 Randomization	+00000h 00m 00s
📁 Change Tolerance	0.00

- *InhibitTimeOnStart*: Delay the messages sent during the station start.
- *MinSendTime*: The Minimum time between two sent messages. Any attempt made during this interval will be cancelled.
- *MaxSendTime*: The Maximum time between two sent messages, even if the point hasn't changed.
- *Randomization*: Allows to add a random duration to the first maxSendTime. Prevents a burst of message if many points, which don't change, have the same maxSendTime.
- *ChangeTolerance*: Available only on NumericPoints. Determines the smallest change in the out value which will send a message.

Actions

- *Initialize* : Register the point and initialize the connection with the Service.
- *Disable* : Disable the extension.
- *Clean* : Unregister the point.

Fault Causes

- *No Device Found* : Make sure that your query points to a component that contains at least one device extension.
- *Cannot Send Message* : Make sure the the extension is working and the connector too.
- *Extension Is Disabled* : Try to enable your device extension.