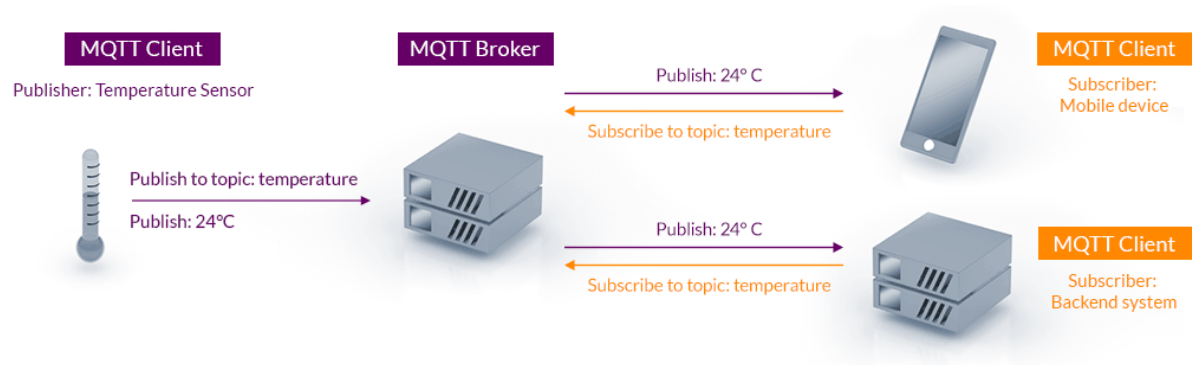


# Anleitung MQTT-Broker



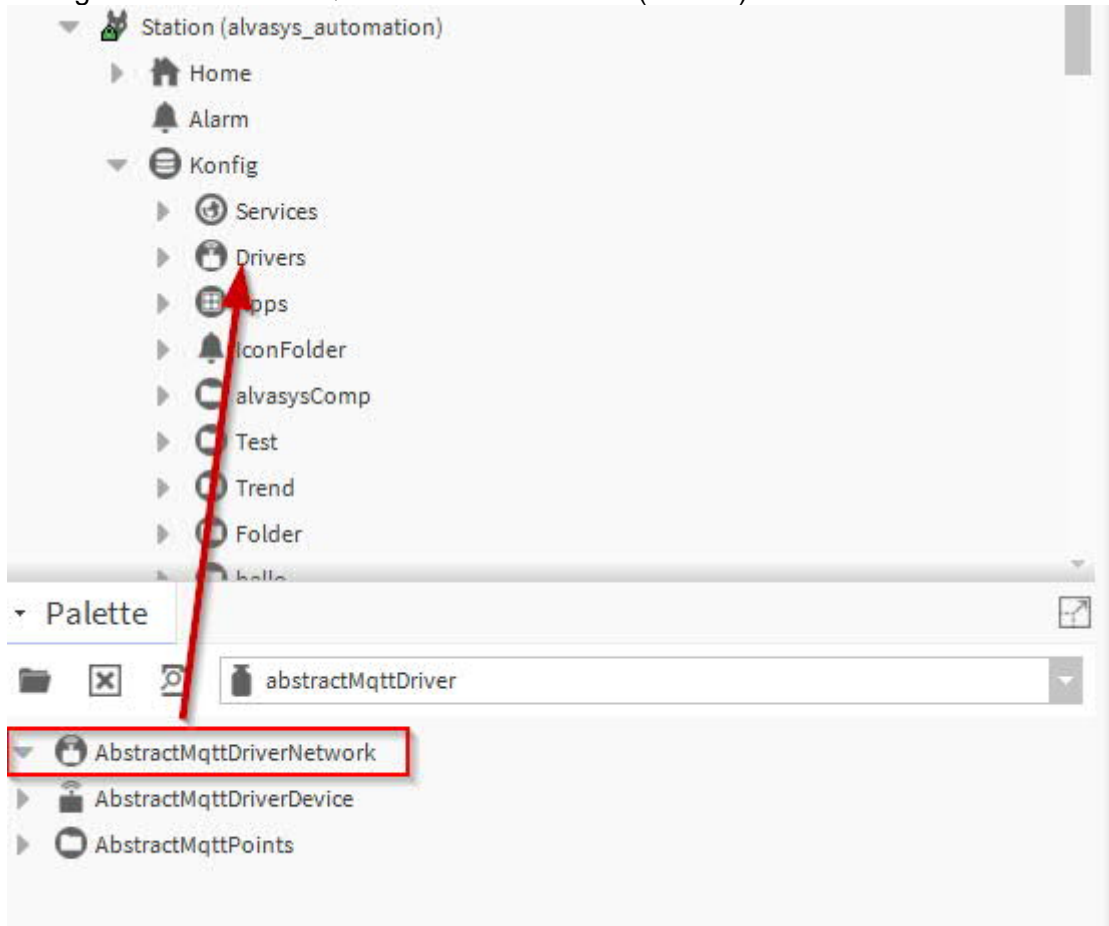
## Beschreibung:

Der MQTT Broker nimmt die Telegramme (Publish) auf und versendet diese an die Client (Subscriber)



## Beschreibung:

Einfügen des abstractMQTTDriver unter Treiber (Drivers)



## Einfügen des abstractMQTTDriverDevice unter dem MQTT Driver

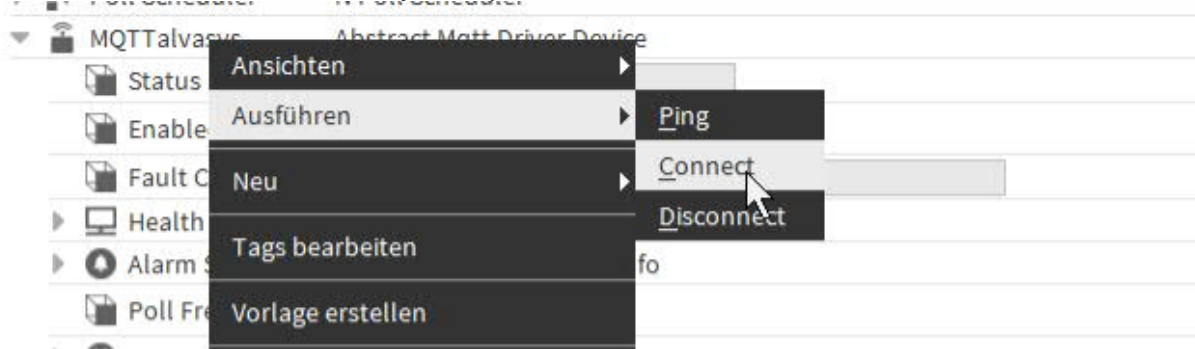
The screenshot shows a software interface with a navigation pane on the left and a main workspace on the right. In the navigation pane, a tree view shows a hierarchy of objects. 'AbstractMqttDriverNetwork' is expanded, and 'AbstractMqttDriverDevice' is selected. A red arrow points from the 'AbstractMqttDriverDevice' icon in the 'Palette' at the bottom to its location in the tree view. The main workspace on the right displays a table with the following data:

Name	Typ	Exts	Status
MQTTalvasys	Abstract Mqtt Driver Device	{+}	{OK}

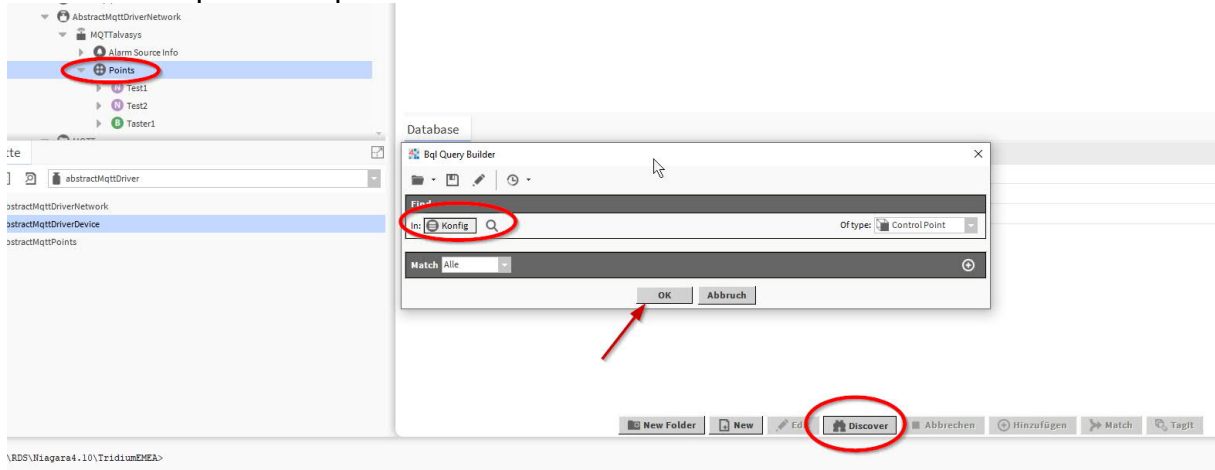
## Konfigurieren des Broker's

The screenshot shows the 'Property Sheet' for the 'MQTTalvasys (Abstract Mqtt Driver Device)'. The 'Broker Ip Address' field is highlighted with a red arrow and the text 'mqtt.sense6.ai'. Other fields are also highlighted with green boxes: 'Client ID' with the value 'Kundenname', and 'Username And Password' with the value 'Benutzer'. The 'Status' field is set to '{OK}' and 'Enabled' is set to 'ein'. The 'Connection Type' is 'UserLogin Over SSL' and 'Ssl Version' is 'TLSv1.0+'. The 'Send Enum As' field is set to 'TAG'.

Die Verbindung prüfen mit rechter Maustaste und connect! Wenn die Verbindung nicht funktioniert das Gateway überprüfen. **Station neu Starten!**

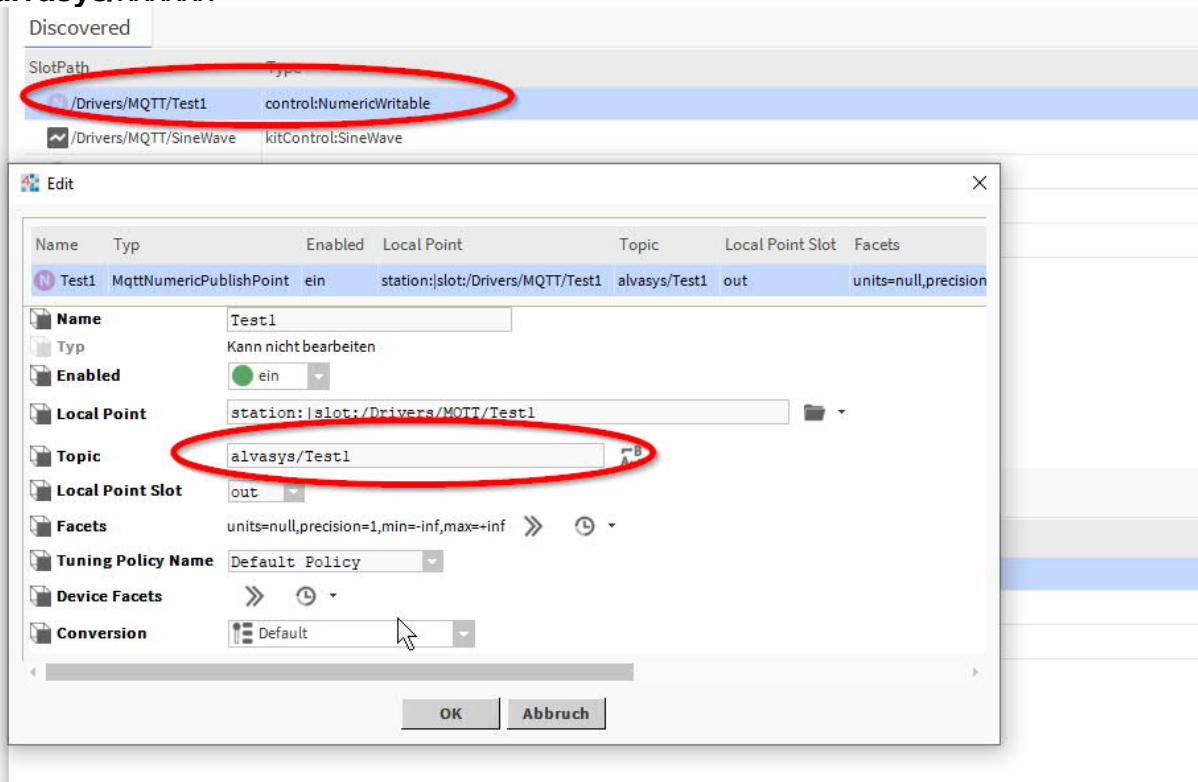


Lokale Datenpunkte exportieren in den Broker:



Datenpunkte auswählen und ein Topic hinzufügen:  
Wichtig Topic muss mit eurem Firmennamen Starten / und nach dem ist es euch überlassen!

**alvasys/xxxxxx**



Nun werden alle Datenpunkte auf dem Broker publiziert und können von x beliebigen MQTT Client abgeholt werden!  
Je nach Abo 1-xxx Topic hinzufügen!

## Einrichten des Subscriber den gleich einrichten Broker:

### Subscriber Datenpunkte erstellen

The screenshot shows a software interface with a tree view on the left. The 'Points' menu item is circled in red. To the right, a 'New' dialog box is open, showing a list of point types. The 'MqttBooleanSubscribePoint' option is highlighted in the list, and this dialog box is also circled in red. Below the dialog, a table shows the database entries for these point types.

Name	Typ	Tuning Policy Name
MqttBooleanSubscribePoint	MqttBooleanSubscribePoint	/s/Taster defaultPolicy
MqttNumericSubscribePoint	MqttNumericSubscribePoint	/s/Test1 defaultPolicy
MqttNumericSubscribePoint1	MqttNumericSubscribePoint	/s/Test2 defaultPolicy

### Topic muss stimmen gleich wie Publisher!

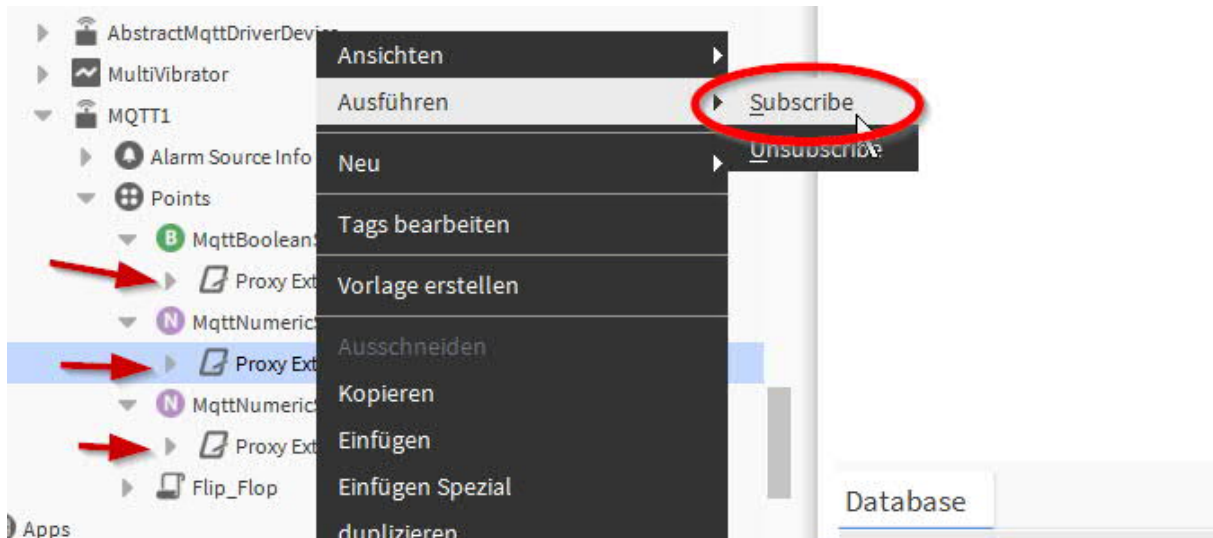
The screenshot shows the 'Edit' dialog box for a subscriber point. The 'Topic' field is circled in red and contains the value 'alvasys/Test1'. The dialog box has a table at the top and a form below.

Name	Typ	Enabled	Local Point	Topic	Local Point Slot	Facets
MqttNumericSubscribePoint	MqttNumericSubscribePoint	ein	null	alvasys/Test1	null	units=null,prec

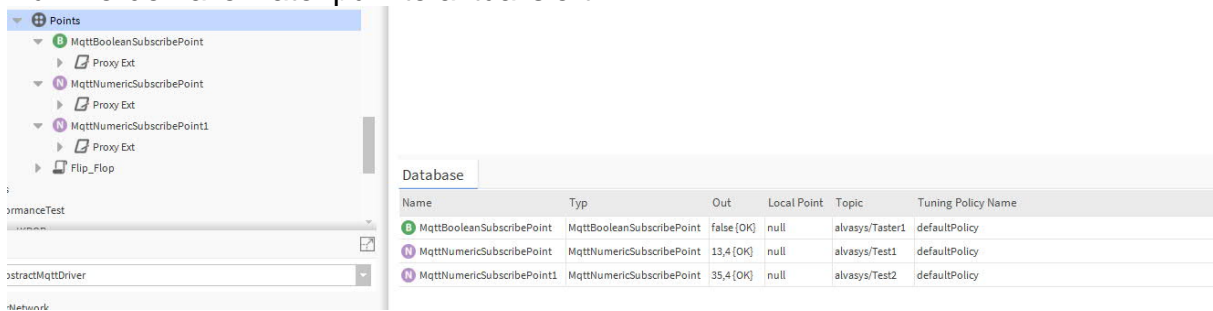
**Name**: MqttNumericSubscribePoint  
**Typ**: Kann nicht bearbeiten  
**Enabled**:  ein  
**Local Point**: null  
**Topic**: alvasys/Test1  
**Local Point Slot**: Kann nicht bearbeiten  
**Facets**: units=null,precision=1,min=-inf,max=+inf  
**Tuning Policy Name**: Default Policy  
**Device Facets**:  
**Conversion**: Default

Buttons: OK, Abbruch

Wenn die Datenpunkte erstellt sind, bitte den Datenpunkt unter Aktion subscribe ausführen!



Nun werden alle Datenpunkte aktualisiert:



## SMS Senden über MQTT nur für die Schweiz!

Topic → **smsuser/sms**

Wert → **+417xxxxx/Mitteilung für euch**  
Nummer / Mitteilung

The image shows a configuration window titled "Edit" for an MQTT topic. At the top, a table lists the configuration details:

Name	Typ	Out	Local Point	Topic	Tuning Policy Name	
SMSText	MqttStringPublishPoint	+41788280879/hello cello4 from mqtt so was von cool :-)	[ts] [OK] @ 15	station: slot:/Drivers/MQTT/SMSText	smsuser/sms	defaultPolicy

Below the table, the "Edit" dialog shows the following configuration fields:

- Name:** SMSText
- Typ:** Kann nicht bearbeiten
- Enabled:** ein
- Local Point:** station:|slot:/Drivers/MQTT/SMSText
- Topic:** smsuser/sms
- Local Point Slot:** out
- Facets:** >> ⌚
- Tuning Policy Name:** Default Policy
- Device Facets:** >> ⌚
- Conversion:** Default

Buttons for "OK" and "Abbruch" are located at the bottom of the dialog.

Fertig!