

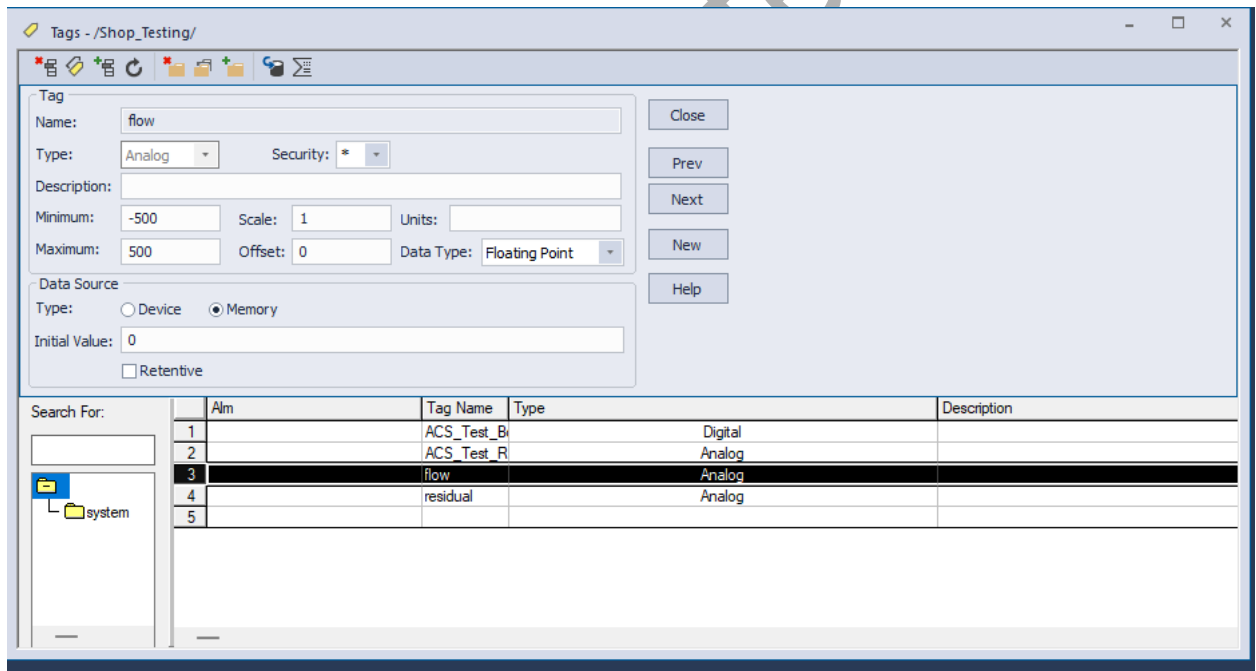
How to Complete the Cattron Remote IQ bridge in Factory Talk Studio

Prerequisites

Factory Talk Studio

Microsoft SQL or SQL Express

- 1.) In the tags window in Factory Talk Studio create a new memory tag to host your data.
Set the minimum, maximum and the data type appropriate to the data



- 2.) Get the getdata.ps1 powershell script here: https://avanticontrolsystems-my.sharepoint.com/:u:/g/personal/sgoldstein_acsautomate_com/Ebt06-kL9Z5OhEWpwl24dHcBmbFCTZXkatmRz3DOlZAiRw?e=gws7C1
- 3.) Create new script in script window, copy text of getdata.ps1 into new script
- 4.) Edit Configuration Variables, SQL Server Credentials

```
# Configuration Variables (Modify these as needed)
$SqlServer = "computernameorip\SQLEXPRESS" # SQL Server name or IP, include instance if needed (e.g., "SQLServer01\SQLEXPRESS")
$Database = "master" # SQL database name master is default rockwell uses
$SqlQuery = "SELECT TOP 1 value FROM Catttron WHERE id=1" # SQL query to fetch a single value (e.g. chan_51) from database name (Catttron is default in python script)
$TagName = "fIow" # FactoryTalk tag path (e.g., "TagName")
$TagDataType = "REAL" # Tag data type (e.g., BOOL, DINT, REAL, STRING)
$LoopIntervalSeconds = 1 # Loop interval in seconds
$MaxRetryAttempts = 3 # Number of connection retry attempts
$RetryDelaySeconds = 5 # Delay between retries
$Directory = 2 # FactoryTalk directory (modify as needed 2 is default local)
$SEAppName = "App_Name" # FactoryTalk application name
$AreaName = "" # FactoryTalk SE area name (by default blank)

# SQL Server credentials (use Windows Authentication or SQL Authentication)
$UseWindowsAuth = $false # Set to $false for SQL Authentication if $true leave sqlusername and sqlpassword blank
$SqlUsername = "sa" # Used if $UseWindowsAuth is $false
$SqlPassword = "database password" # Used if $UseWindowsAuth is $false
```

- 5.) Save script
- 6.) In the startup macro add a script execute command and pick the script you created
it should look something like this: ScriptExecute scriptname
- 7.) You can add a script for every tag you need data from just repeat steps.