

## 8872 new channel type for HTTP endpoint

So currently it's a hybrid type of approach where some parts are pulled from modbus settings and others are pulled from GSI settings. The TcpAddress/Port are configured in LogModbusInstrument, while the GSI Driver is used for the parsing.

GSI Driver Entry.

Data field type: F

Data Value Format: F

Modbus Register: 0 (doesn't get used, just needs to be non-empty to show up in UI)

AutoSend Repeat Interval: Use this to control how often the HTTP request is made

AutoSend String: /api/tag/CAL\_GAS\_PRI\_ACTUAL/value (NOTE it starts with the slash)

Parse Sync String: value

Delimiter Chars: ":" (that's the COLON and QUOTE)

Number of delimiters to data: 3

LogModbusInstrument:

TCP Address: the name or IP address of the device

Port: 8180 in this example. But it can be any other port number if needed. If port number = 443, https is used.

The rest of the fields are not used by the http channel at this time.

Note that you'll need a separate modbus instrument entity for this, because the port number must be configured differently than the normal modbus config.

NOTE the http channel requests are made in a common shared thread, so if you have multiple http channels, this is not optimized (they are sequential on that thread).

Screenshots show the configuration, as well as some verbose log messages demonstrating it working.

GSI Driver Entry		GSI Driver Digital	GSI Driver Instrument
	GSI Instrument	△	GSI Entry
	T7		
▶	T700_HTTP		CAL_GAS_PRI_ACTUAL

  

#### Details

Driver Entry Name:  Associated Instrument:

Data Field Type:  Modbus Register:

Data Value Format:

  

#### Autosend

Send Name:  AutoSend Repeat Interval:

AutoSend String:

  

#### Parsing

Parse Name:  Parse Sync String:

##### Fixed

Number of Chars to Data:

Data Field Width:

Number of Chars in String:

##### Delimited

Delimiter Chars:

Number of Delimiters to Data:

Number of Delimiters in String:

  

#### Advanced

Primary Driver:  Input Index:

Channel:HTTP\_ACT Modbus:T700\_HTTP

**Modbus Instrument Details**

Modbus Instrument Name: T700\_HTTP

Instrument Model: T700\_HTTP

Device ID/Code: 0

Modbus Command Type: 0

Poll Interval (seconds): 3.0

Timeout (ms):

Module Index:

Inter-command Delay (ms):

Combine Register Blocks in Requests

**TCP Connection**

Tcp Ip Address: 192.168.0.80

Tcp Ip Port: 8180

Serial Connection

Channel:HTTP\_ACT Modbus:T700\_HTTP

Channel Validation Misc HTTP

**Modbus Info**

Modbus Instrument: T700\_HTTP

Driver: CAL\_GAS\_PRI\_ACTUAL

1/19/2007 00:41:20.000	Verbose	26	[10: HTTP_ACT]: --> HTTP Requesting: http://192.168.0.80:8180/api/tag/CAL_GAS_PRI_ACTUAL/value
1/19/2007 00:41:20.703	Verbose	26	[10: HTTP_ACT]: <-- HTTP Response: {"name":"CAL_GAS_PRI_ACTUAL","value":"0"}
1/19/2007 00:41:21.513	Verbose	26	10: HTTP_ACT: Response obtained from instrument: {"name":"CAL_GAS_PRI_ACTUAL","value":"0"}
1/19/2007 00:41:21.530	Verbose	26	10: HTTP_ACT: Channel: 10 (HTTP_ACT): Value string extracted from response: [ 0 ]