Pinger Driver

User Guide

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Introduction

The Kymera Pinger Driver module allows users to monitor the state of devices exposed as tags.

Setup

Pinger Driver

Go to the **OPC-UA -> Devices** menu in the Configuration section of your gateway.

Click on **Create new Device**.

Ensure you enable the device if you wish to use it.

Enter a unique name for the device.

Enter the hostname or IP of the device to connect to.

Enter the number of milliseconds to wait before reporting a timeout.

Click **Create New Device**. After a moment you should see the device status switch to "Connected" indicating that the driver is prepared. This does not necessarily indicate there is a successful connection to the device, simply that the driver is prepared.

Gateway Access

The driver can now be used from the Gateway by navigating to the **OPC Connections -> Quick Client** and expanding the **Ignition OPC-UA Server -> Devices -> [Device Name]**. Reading or Subscribing to the exposed tags by clicking the "r" or "s" will show you the value of the tag. Writing to the tag by pressing "w" is disabled.

Designer Access

The driver can also be used from the Designer by expanding the **OPC Browser -> Ignition OPC-UA Server -> Devices -> [Device Name]** and dragging the desired tag onto a window, at which time Ignition prompts you to create a tag and a component to display the value.

Exposed Tags

PingAlive

The value of the PingAlive tag indicates whether or not the device can be reached by a 'ping' command as a boolean.

Tag Quality:

GOOD	The tag was created successfully and is operational.
BAD	The tag encountered an error in creation, usually resolved simply by recreating the tag.
DEMO EXPIRED	The trial time has expired and the driver is disabled. Re-enable the trial timer or purchase a license to continue.

PingTime

The value of the PingTime tag indicates the number of milliseconds returned by the 'ping' command.

Tag Quality:

GOOD	The ping returned a non-null value and the tag's value is up to date.
BAD	The ping returned a null value and the tag's value is the last GOOD value.
DEMO EXPIRED	The trial time has expired and the driver is disabled. Re-enable the trial timer or purchase a license to continue.