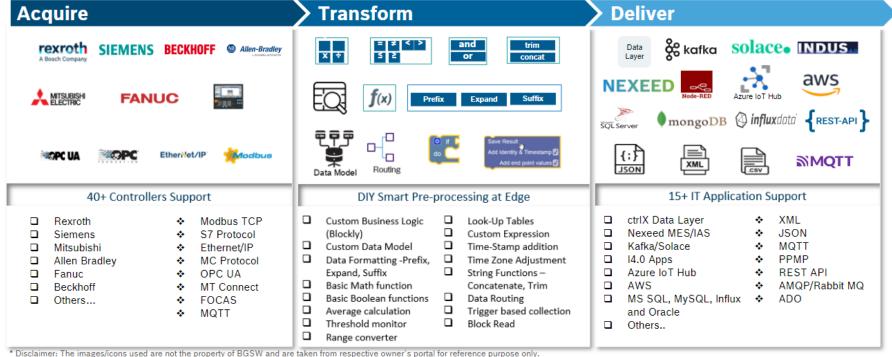


# DeviceBridge - write to AB

**Adam Humphrey** 

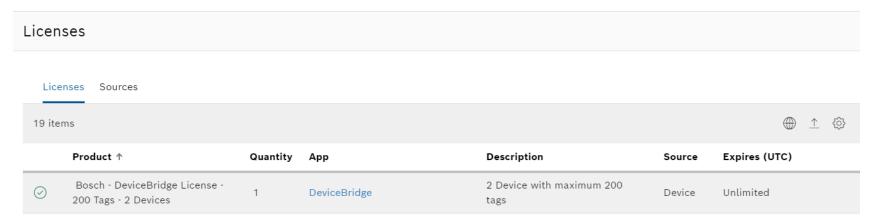








#### A 2 Device license is required:



#### As well as an app that can create tags in the data layer:

$\odot$	ctrlX CORE - Key Value Database (KVD) License	1	Key Value Database (KVD)	Unlock the KVD functionality	Device	Unlimited
Or:						
$\odot$	ctrlX CORE License - Bosch Rexroth - PLC Basic	1	PLC	IEC 61131 PLC runtime with support for single core, single task	Device	Unlimited



Create Devices using the ctrlX Data Layer and the appropriate Logix Driver (details can be found in the Device Bridge documentation):

Device

☐ Device Management - DeviceBridge

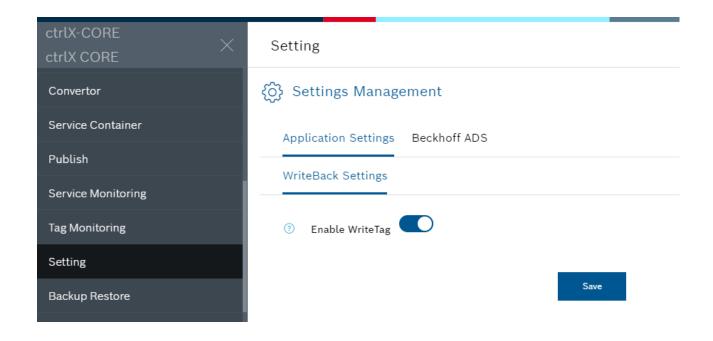
☐ Device Management - DeviceBridge

	Device Name	Driver	Summary	
Œ	DataLayer_Device	ctrlX Data Layer	N.A	ŧ
<u></u>	Device1	CompactLogix PLC	192.168.1.21,1,0	:

<sup>\*</sup>Write to Micrologix not yet supported as of Version 3.2.9

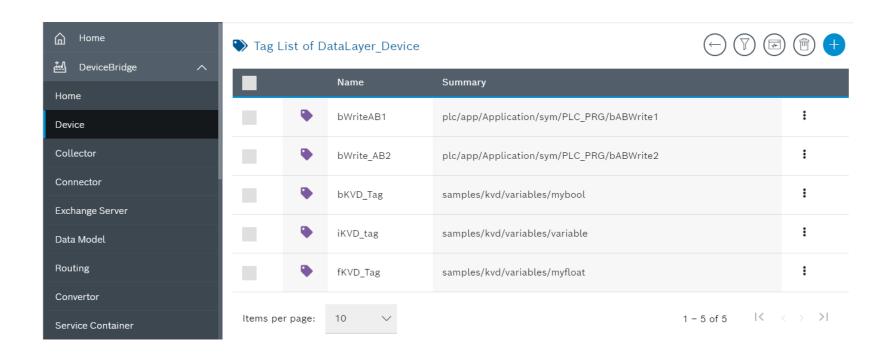


Go to the Settings tab and Enable Write Tag:



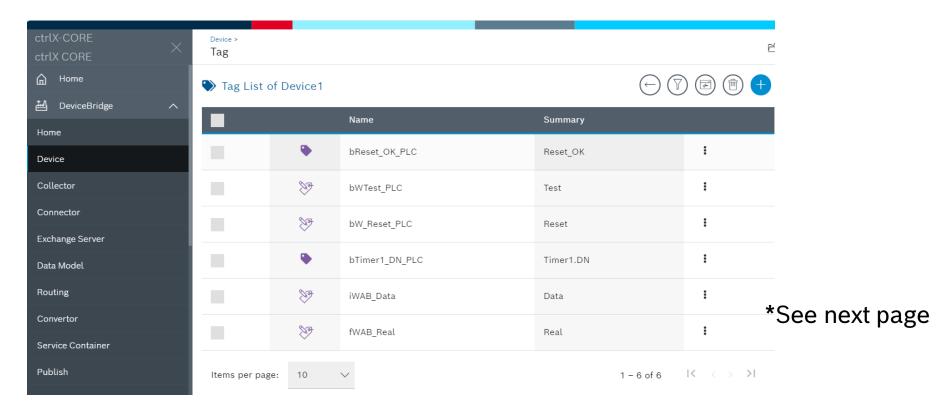


Create DeviceBridge (DB) tags from the Data Layer tags:



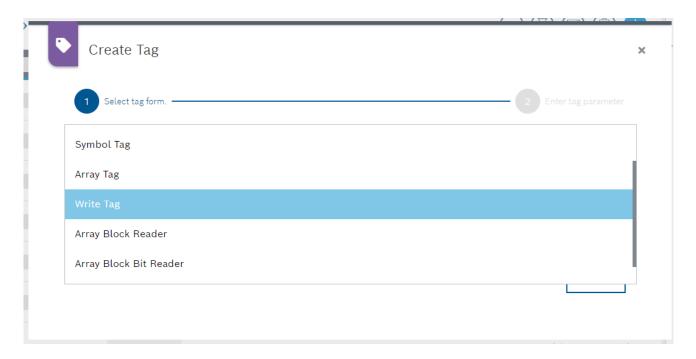


Create DeviceBridge (DB) tags from the Rockwell networked tags:





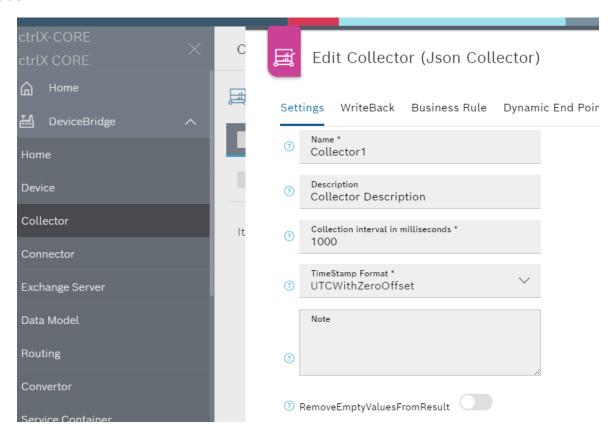
Select Write Tag for any tags to be written to the AB Controller:



Once write tag is selected, browse for the appropriate controller tag.

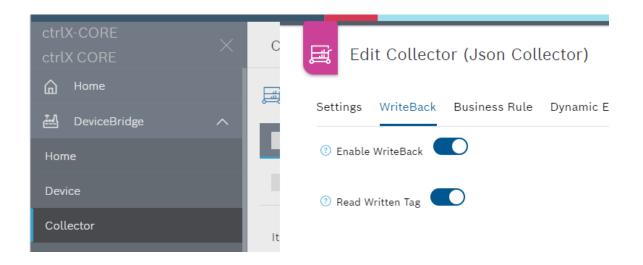


#### Create a Json Collector:



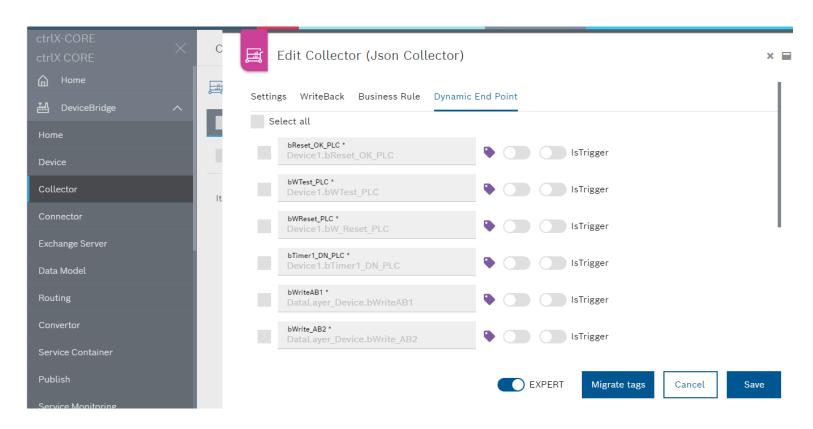


Enable WriteBack and/or Read Written Tag if appropriate:



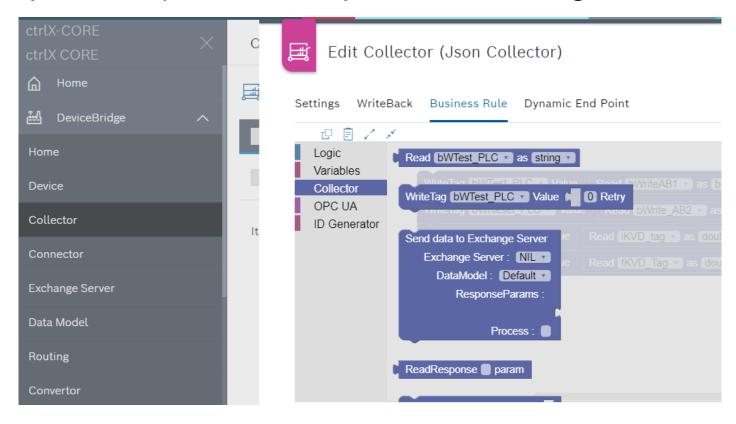


Migrate tags if possible or create Dynamic End Points for tags to be used:





Once you have Dynamic End points use Blockly to write to the AB tags:



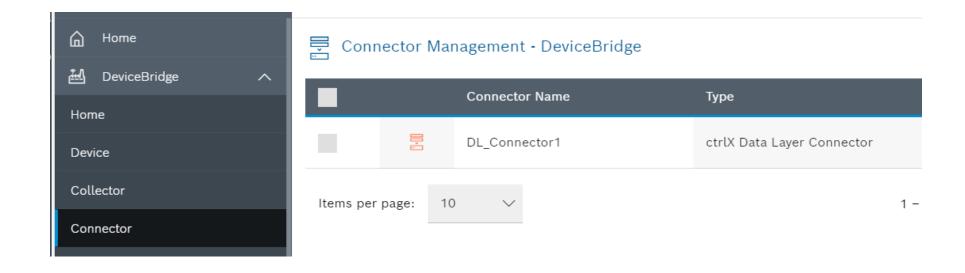


Use WriteTag for the AB tags to be written and use a tag from the DataLayer in the Read function to copy the DataLayer value to the AB tag:



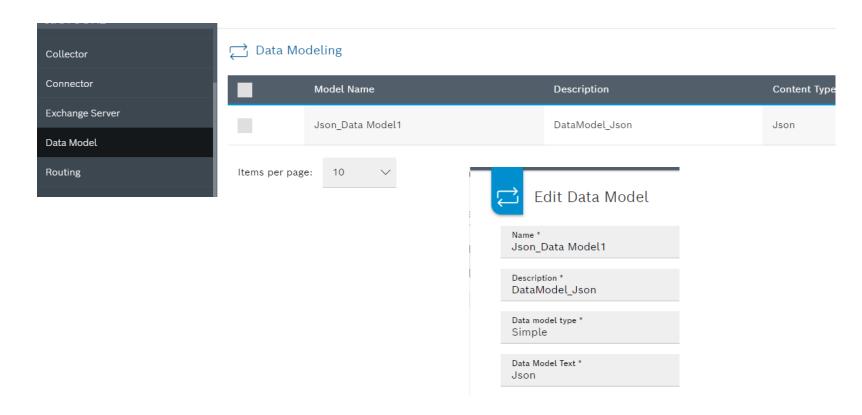


#### **Create a Connector:**



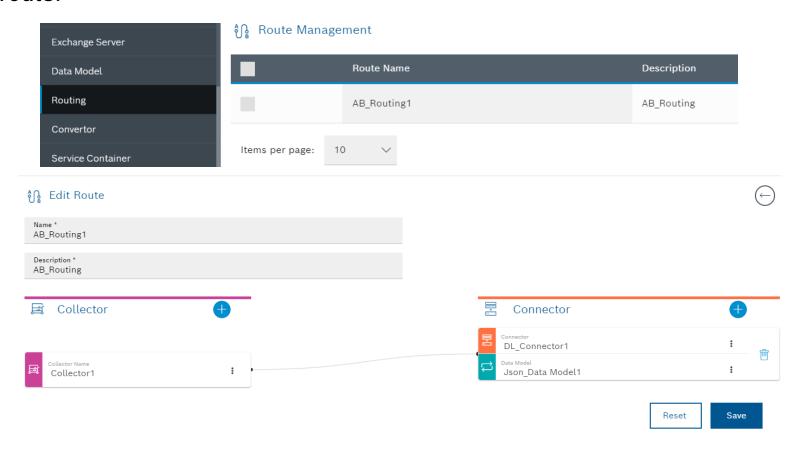


#### Create a simple Json Data Model:





#### Create a route:



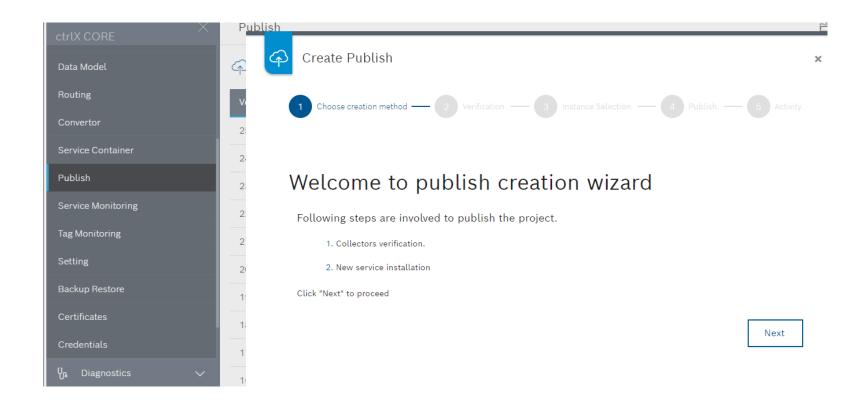


Create a Service Container by dragging your route into a container:



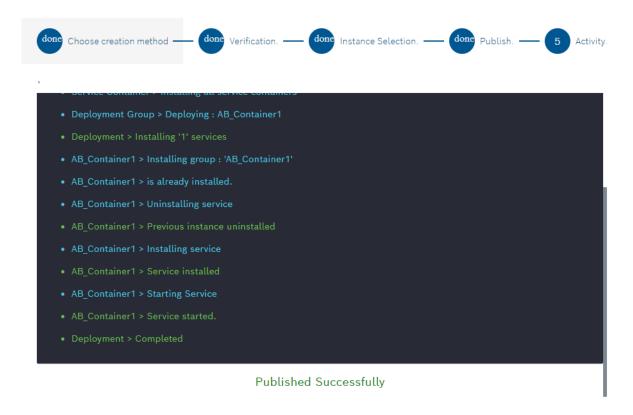


#### Publish DeviceBridge project Service Container:



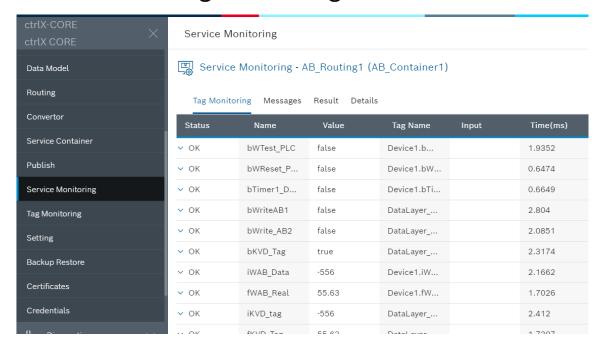


#### Publish DeviceBridge project Service Container:





#### Montor Tags to make sure things are talking:





Check Devices to make sure things work as expected:

