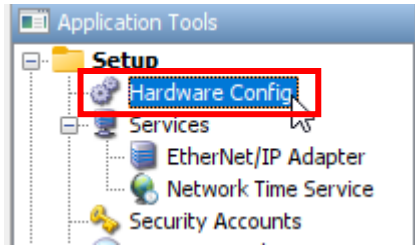


IronHorse ACG

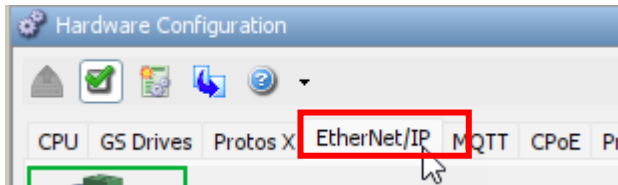
Productivity Explicit Messaging Sample Quick Start

Section 1 – Changing Drive IP Address in the Productivity Project

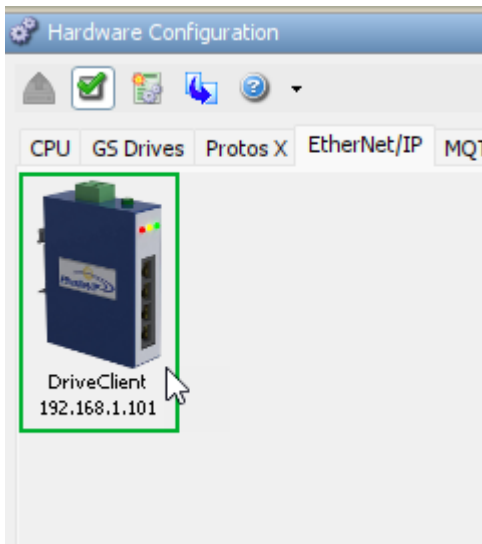
Step 1: Double Click ‘Hardware Config’ in the Application Tools window.



Step 2: Select the ‘EtherNet/IP’ tab.



Step 3: Double click on “DriveClient”.



Step 4: Set the IP address of your IronHorse ACG Drive. Press OK when done.

Pro

EtherNet/IP Client Properties

✕

Device Name

DriveClient

Target IP Address

192.168.1.101

TCP Port Number

44818

▼

...

☐ Encapsulation Inactivity Timeout

30

secs

☐ Swap Byte Order

+

Use Structure

DriveClient

▼

...

TCP Connected

TCPConnected

▼

...

Adapter Name

AdapterName

▼

...

Vendor ID

VendorID

▼

...

TCP/IP Error

TcpIpError

▼

...

☒ IP

☐ Tag

No messages have been defined

Monitor

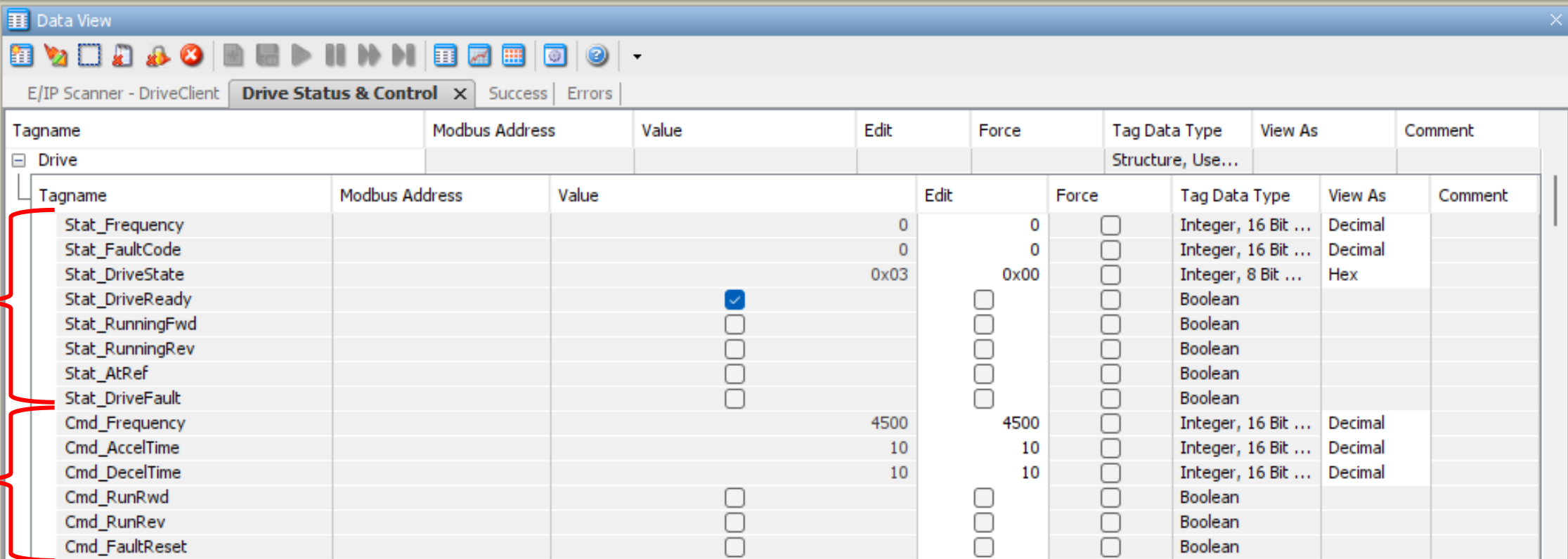
OK

Cancel

Help

Section 2 – Program Tag for Drive Control and Status

- The sample program has a tag called “Drive” that is used for status and control.
- This variable can be used from new tasks created by the user or from the Data View window.



The screenshot shows the 'Data View' window with a toolbar and tabs. The 'Drive Status & Control' tab is active, displaying a table of tags. The table is organized into two main sections: 'Drive Status' and 'Drive Commands', both indicated by red brackets on the left. The 'Drive Status' section includes tags like Stat_Frequency, Stat_FaultCode, Stat_DriveState, Stat_DriveReady, Stat_RunningFwd, Stat_RunningRev, Stat_AtRef, and Stat_DriveFault. The 'Drive Commands' section includes tags like Cmd_Frequency, Cmd_AccelTime, Cmd_DecelTime, Cmd_RunRwd, Cmd_RunRev, and Cmd_FaultReset. Each tag row contains columns for Tagname, Modbus Address, Value, Edit, Force, Tag Data Type, View As, and Comment.

Tagname	Modbus Address	Value	Edit	Force	Tag Data Type	View As	Comment
Drive Status							
Stat_Frequency		0		0	Integer, 16 Bit ...	Decimal	
Stat_FaultCode		0		0	Integer, 16 Bit ...	Decimal	
Stat_DriveState		0x03		0x00	Integer, 8 Bit ...	Hex	
Stat_DriveReady			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boolean		
Stat_RunningFwd			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Stat_RunningRev			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Stat_AtRef			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Stat_DriveFault			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Drive Commands							
Cmd_Frequency		4500		4500	Integer, 16 Bit ...	Decimal	
Cmd_AccelTime		10		10	Integer, 16 Bit ...	Decimal	
Cmd_DecelTime		10		10	Integer, 16 Bit ...	Decimal	
Cmd_RunRwd			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Cmd_RunRev			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		
Cmd_FaultReset			<input type="checkbox"/>	<input type="checkbox"/>	Boolean		