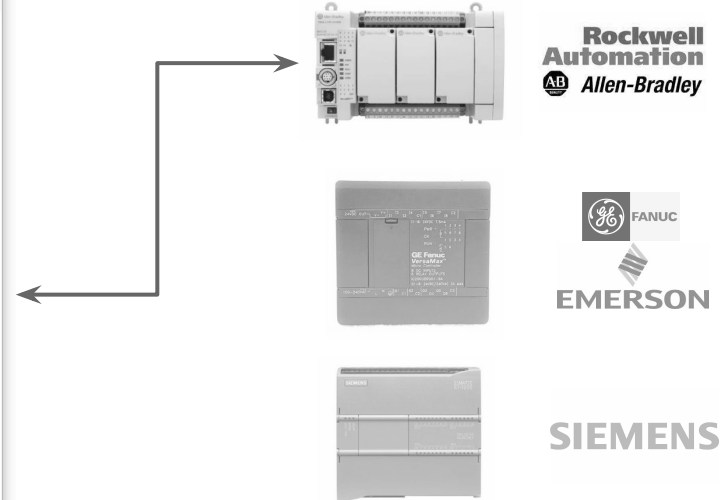
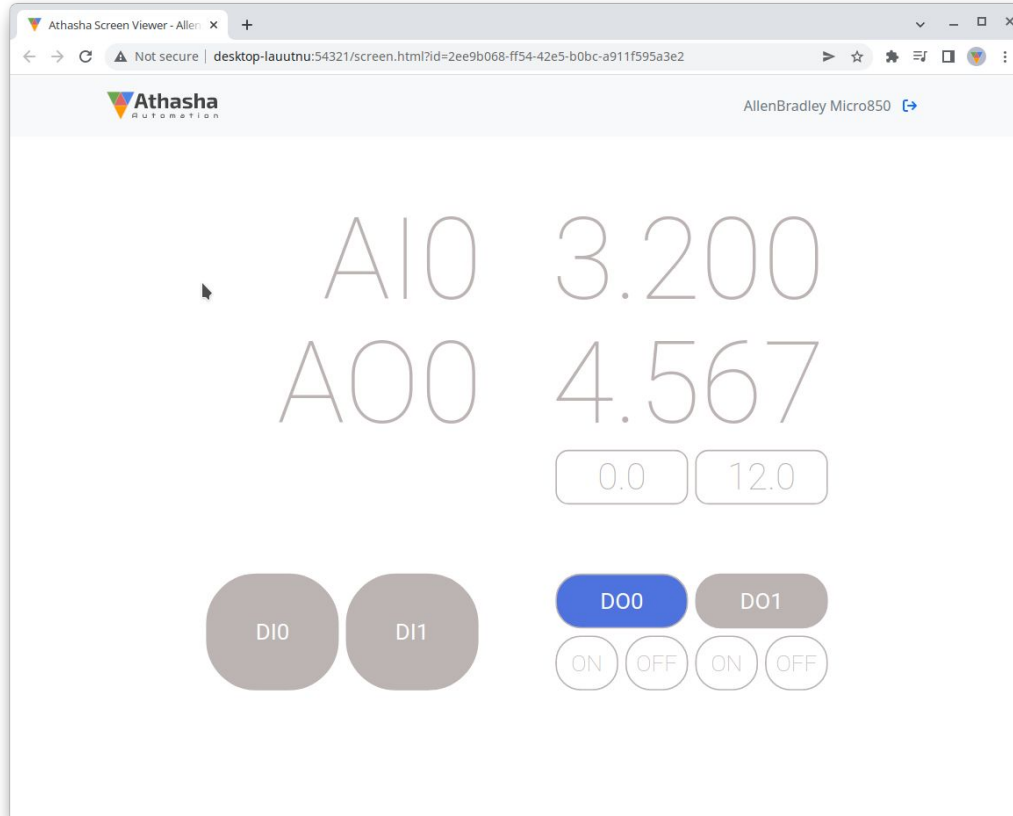
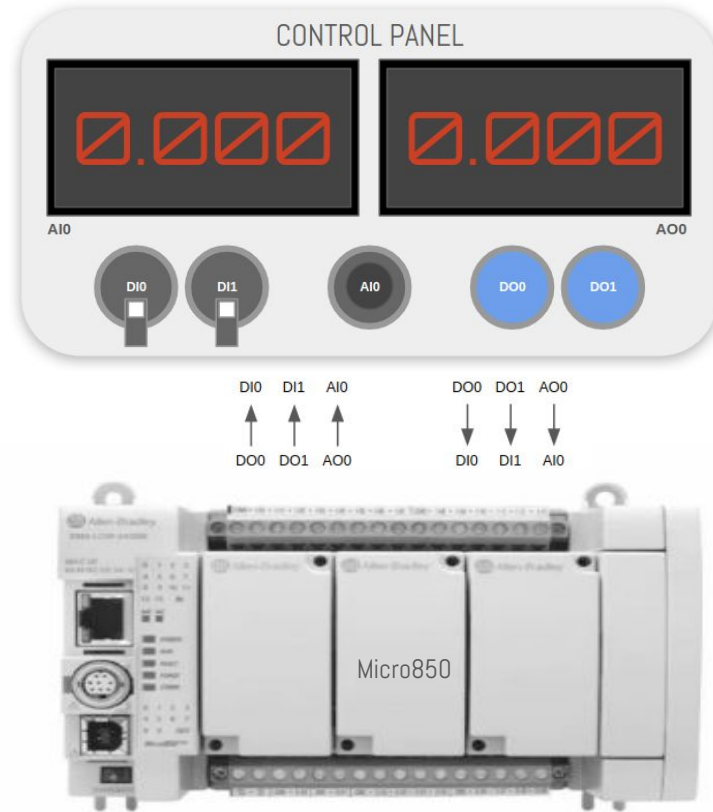


Allen-Bradley Micro850 Demo





Connected Components Workbench

Controller - Ethernet

Internet Protocol (IP) Settings

☒ Obtain IP address automatically using DHCP

☐ Configure IP address and settings

IP Address: 10 . 77 . 3 . 215

Subnet Mask: 255 . 0 . 0 . 0

Gateway Address: 10 . 77 . 0 . 1

☒ Detect duplicate IP address

EtherNet/IP

☒ Inactivity Timeout 120 sec

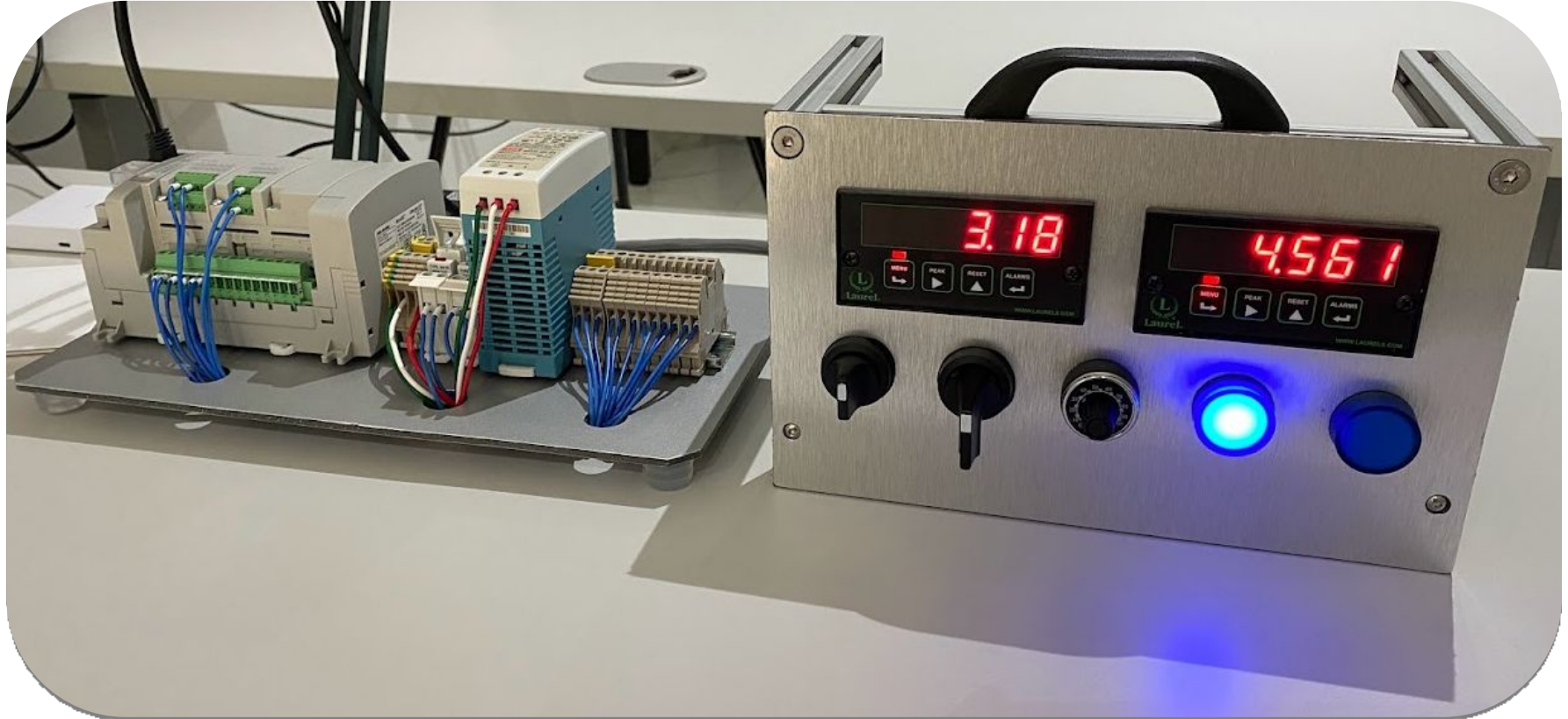
Modbus TCP

Server state: ☒ Enabled ☐ Disabled

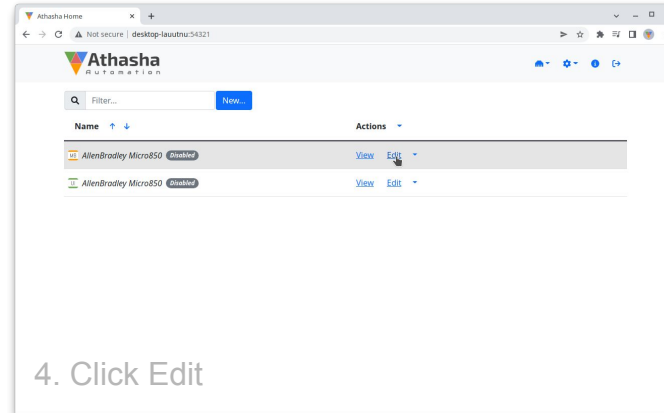
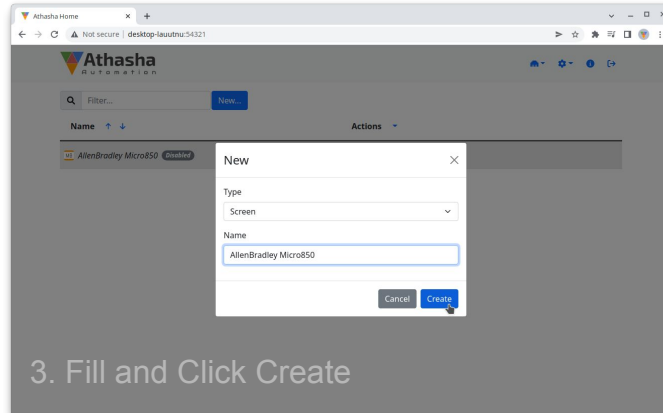
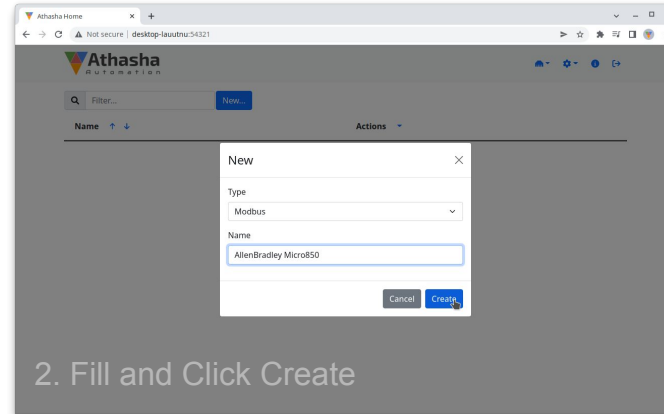
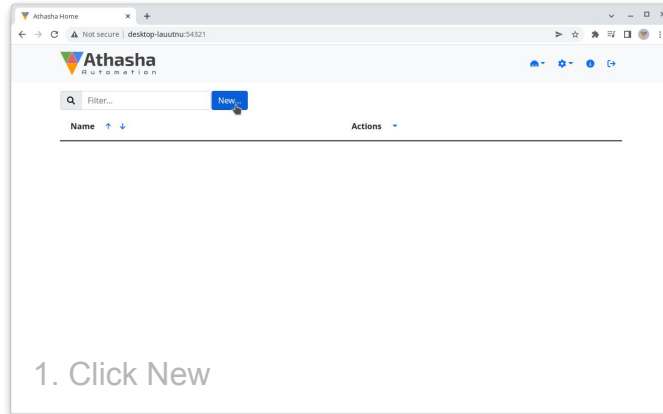
MODBUS MAPPING

Variable Name	Data Type	Address	Addresses Used
_IO_EM_DO_00	BOOL	000001	000001
_IO_EM_DO_01	BOOL	000002	000002
_IO_EM_DI_00	BOOL	100001	100001
_IO_EM_DI_01	BOOL	100002	100002
_IO_P1_AI_00	UINT	300001	300001
_IO_P2_AO_00	UINT	400001	400001

PLC Fixture



Athasha Setup



Athasha Inputs Configuration

Athasha Home x Athasha Modbus Editor - Allen x Athasha Screen Editor - Allen x +

Not secure | desktop-lauutnu:54321/editor.html?id=e30b76a5-bdb3-4e66-894f-077053c06f64

MB AllenBradley Micro850 Disabled

Transport: Socket, Protocol: TCP, Period (ms): 10, Access Password:

Hostname/IP Address: 10.77.3.215, TCP Port: 502

Inputs | Outputs

Slave #	Address	Function Code	Input Address	Input Name	Value Factor	Value Offset	
1	1	02 Input	1	DI1	1	0	[X] [↓] [↑]
2	1	02 Input	2	DI2	1	0	[X] [↓] [↑]
3	1	04 U16BE	1	AI1	0.0001525902	0	[X] [↓] [↑]
4	1	03 U16BE	1	AO1	0.00030518043	0	[X] [↓] [↑]
5	1	01 Coil	1	DO1	1	0	[X] [↓] [↑]
6	1	01 Coil	2	DO2	1	0	[X] [↓] [↑]

1. Adjust to your IP
2. Click Outputs Tab

Close View Save Disable Save and Enable

Athasha Outputs Configuration

Athasha Home

Athasha Modbus Editor - Allen

Athasha Screen Editor - Allen

+

Not secure | desktop-lauutnu:54321/editor.html?id=e30b76a5-bdb3-4e66-894f-077053c06f64

MB AllenBradley Micro850 Disabled

Transport
Socket

Protocol
TCP

Period (ms)
10

Access Password

Hostname/IP Address
10.77.3.215

TCP Port
502

Inputs

Outputs

Slave #	Address	Function Code	Output Address	Output Name	Value Factor	Value Offset	
1	1	06 U16BE	1	AO1	3276.75	0	<div><div>×</div><div>↓</div><div>↑</div></div>
2	1	05 Coil	1	DO1	1	0	<div><div>×</div><div>↓</div><div>↑</div></div>
3	1	05 Coil	2	DO2	1	0	<div><div>×</div><div>↓</div><div>↑</div></div>

1. Click Save and Enable

2. Click View

Close

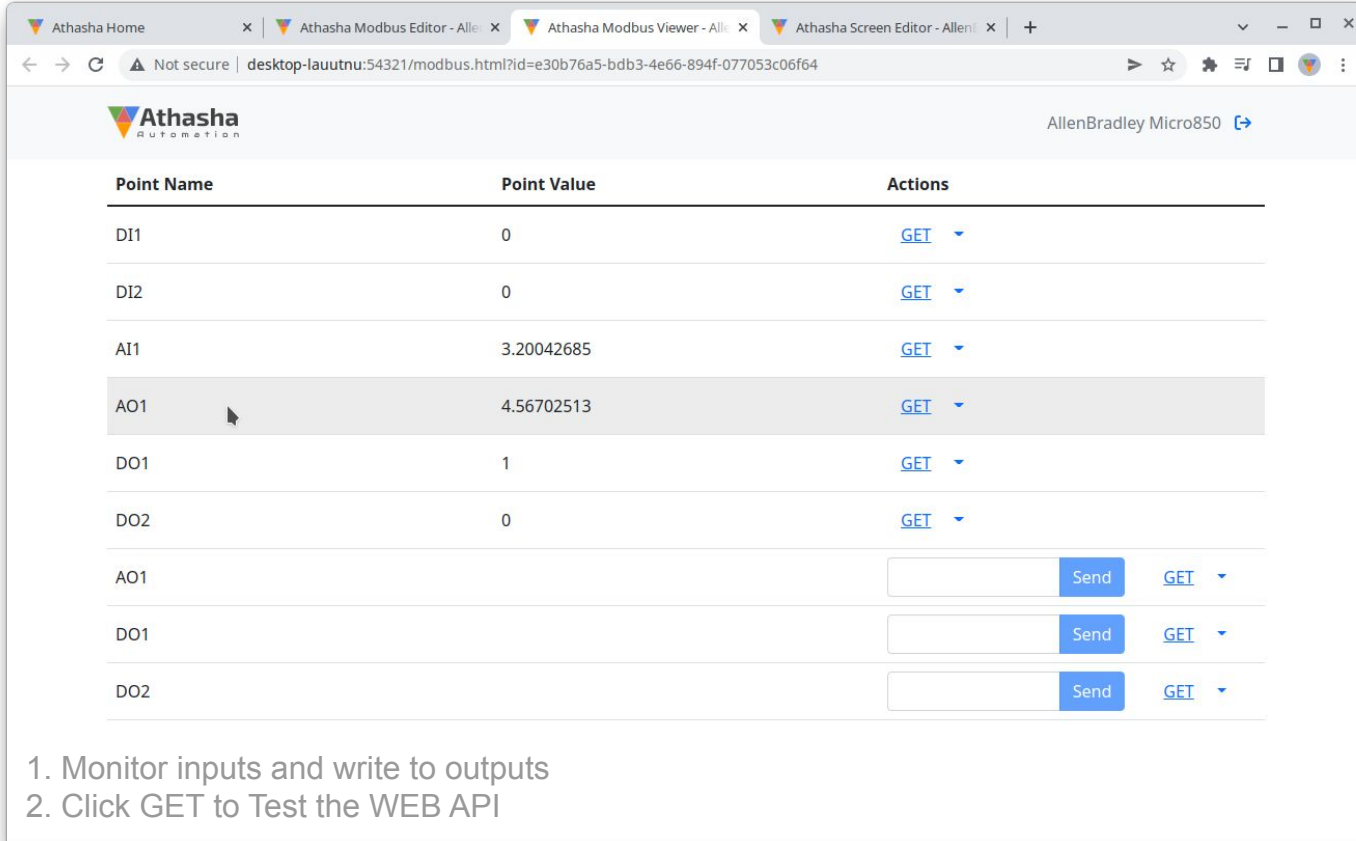
View

Save

Disable

Save and Enable

Athasha Default IO Viewer



The screenshot shows a web browser window with the title "Athasha Home" and several tabs. The active tab is "Athasha Modbus Viewer - Allen". The address bar shows a URL: "desktop-lauutnu:54321/modbus.html?id=e30b76a5-bdb3-4e66-894f-077053c06f64". The page header includes the Athasha logo and the text "AllenBradley Micro850". The main content area displays a table of Modbus points with columns "Point Name", "Point Value", and "Actions". The table lists points DI1, DI2, AI1, AO1, DO1, and DO2. The AO1 row is highlighted. Below the table, there are input fields and "Send" buttons for each point, along with "GET" links.

Point Name	Point Value	Actions
DI1	0	GET ▼
DI2	0	GET ▼
AI1	3.20042685	GET ▼
AO1	4.56702513	GET ▼
DO1	1	GET ▼
DO2	0	GET ▼

AO1	<input type="text"/>	<button>Send</button> GET ▼
DO1	<input type="text"/>	<button>Send</button> GET ▼
DO2	<input type="text"/>	<button>Send</button> GET ▼

1. Monitor inputs and write to outputs
2. Click GET to Test the WEB API

Athasha Screen Design

Athasha Home x Athasha Modbus Editor - Allen x Athasha Modbus Viewer - Allen x Athasha Screen Editor - Allen x

Not secure | desktop-lauutnu:54321/editor.html?id=2ee9b068-ff54-42e5-b0bc-a911f595a3e2

UI: AllenBradley Micro850 Disabled

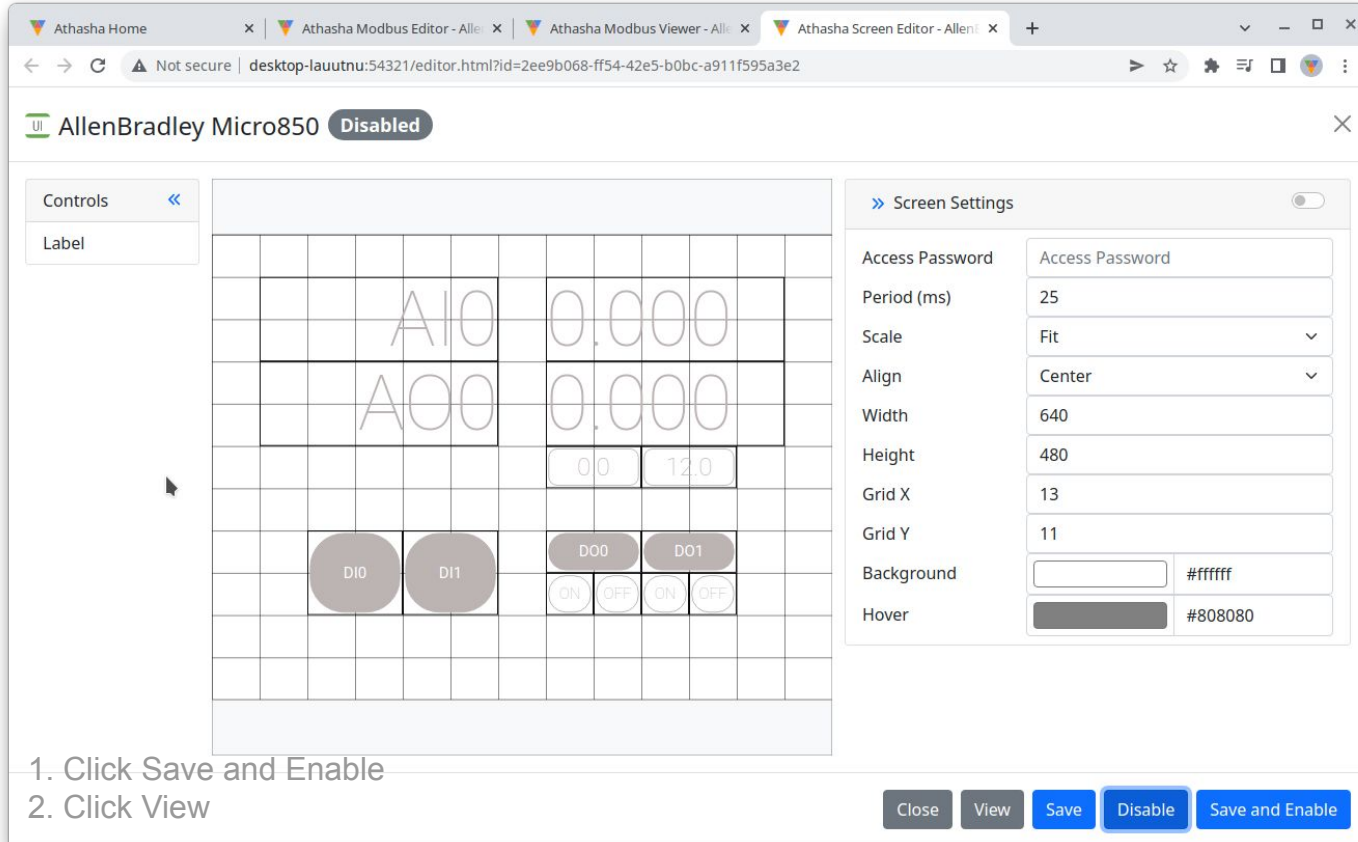
Controls <<
Label

Screen Settings

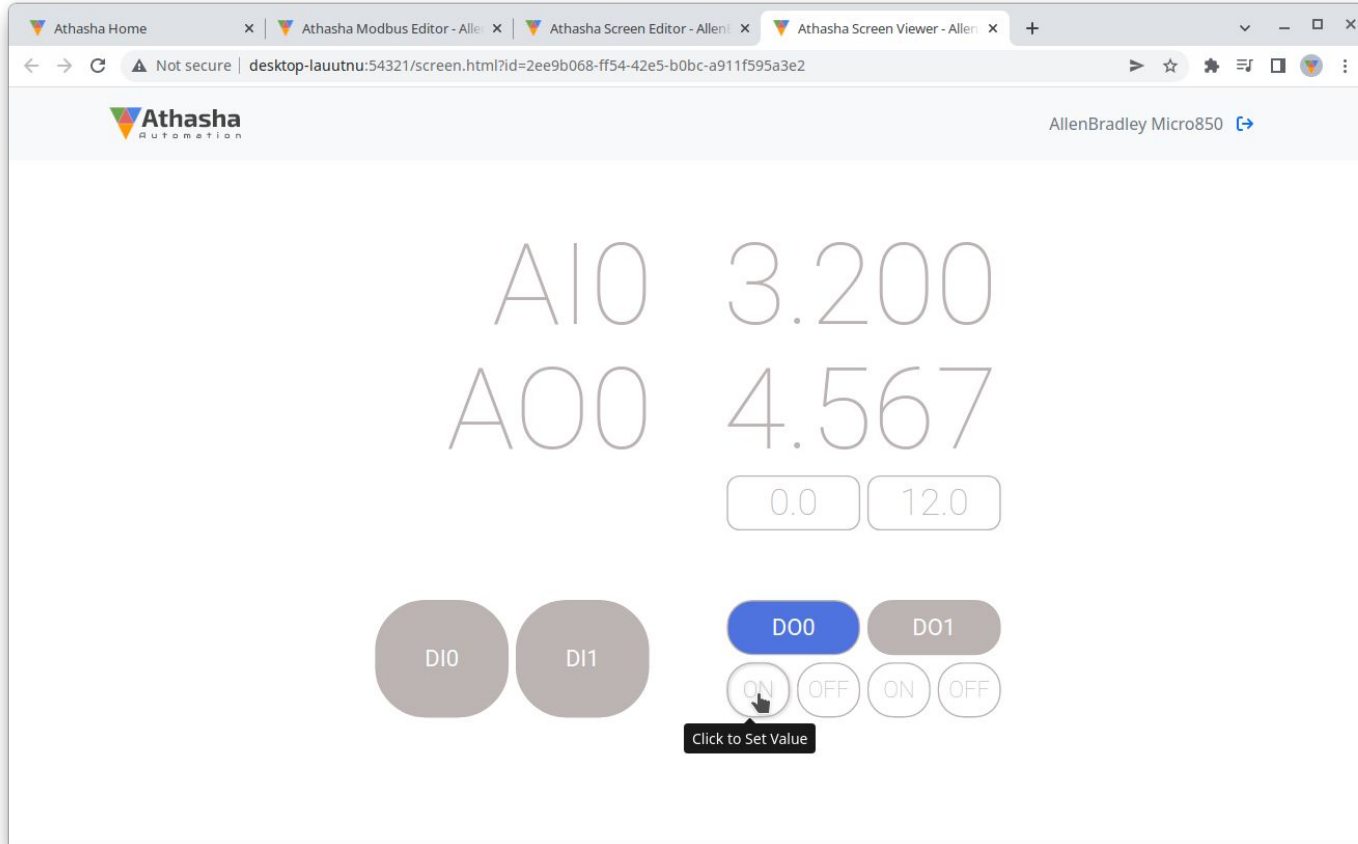
Access Password: Access Password
Period (ms): 25
Scale: Fit
Align: Center
Width: 640
Height: 480
Grid X: 13
Grid Y: 11
Background: #ffffff
Hover: #808080

1. Click Save and Enable
2. Click View

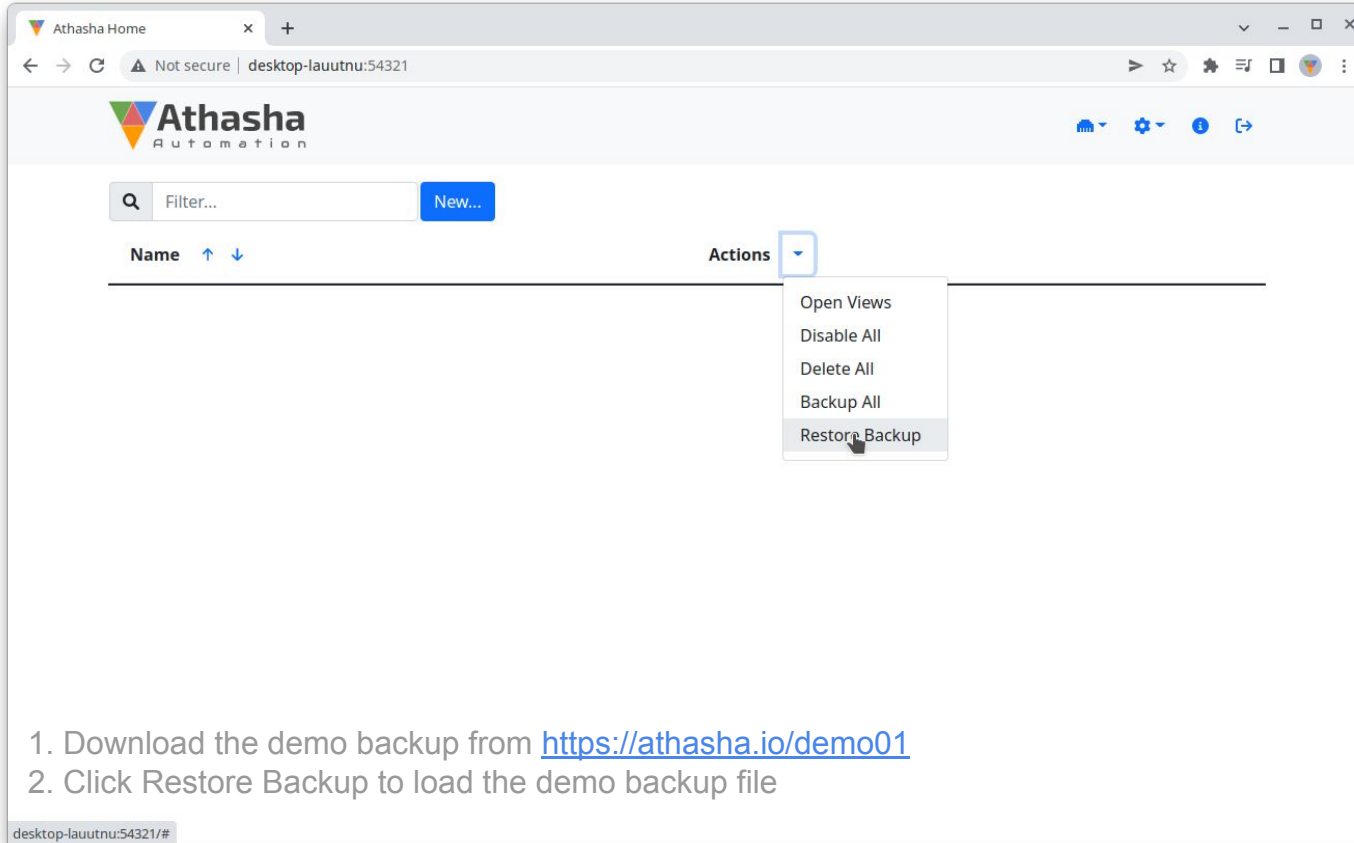
Close View Save Disable Save and Enable



You are done. Congratulations!



A shorter path is to just restore from the demo backup...



The screenshot shows a web browser window with the address bar displaying "Not secure | desktop-lauutnu:54321". The page header features the "Athasha Automation" logo and navigation icons. Below the header is a search bar with the placeholder "Filter..." and a "New..." button. The main content area displays a table with two columns: "Name" and "Actions". The "Actions" column has a dropdown menu open, showing the following options: "Open Views", "Disable All", "Delete All", "Backup All", and "Restore Backup". The "Restore Backup" option is highlighted with a mouse cursor.

1. Download the demo backup from <https://athasha.io/demo01>
2. Click Restore Backup to load the demo backup file

desktop-lauutnu:54321/#