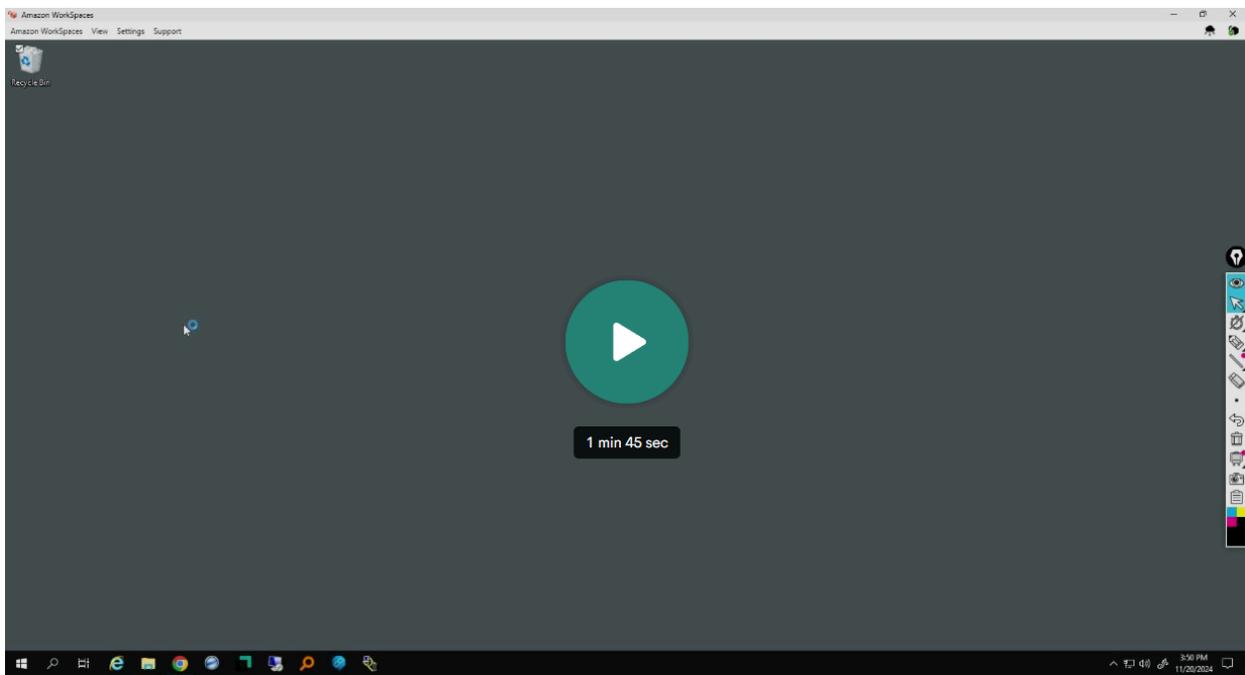

DeviceLink - Rockwell Studio/RSLogix5000 Quicksheet

Purpose

The purpose of this document is to provide clear, step-by-step instructions for setting up a Rockwell Automation controller within Copia's DeviceLink platform. This guide focuses on controllers programmed using Studio 5000 or RSLogix 5000 software.

[Video Tutorial](#)



Device Configuration/Setup

RSLinx Configuration

To get started, the PLC needs to be set up in Rockwell's RSLinx communication software:

Step 1: Open RSLinx Classic

1. Launch the **RSLinx Classic** software on your computer.
 2. Ensure the software is installed and licensed if necessary.
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Step 2: Configure an Ethernet Driver

1. In the menu bar, click on "**Communications**" and select "**Configure Drivers**".
2. In the **Configure Drivers** dialog box:
 - From the **Available Driver Types** dropdown, select either:
 - **Ethernet Devices (AB_ETH)**: For manually entering device IP addresses.
 - **EtherNet/IP Driver (AB_ETHIP)**: For automatically scanning the network for devices.
 - Click **Add New**.
3. Assign a **unique name** to the driver when prompted and click **OK**.

For Ethernet Driver (AB_ETH):

4. In the **Configure Ethernet Devices** dialog:
 - Add the IP address of the target PLC or device to the **Station Mapping** list.
 - You can add multiple IP addresses if needed.
 - Click **OK** to save.

For EtherNet/IP Driver (AB_ETHIP):

4. The **EtherNet/IP Driver** doesn't typically require additional configuration. It scans the local network automatically for supported devices.
 - Click **OK** to save.
 5. The newly configured driver will appear in the **Configured Drivers** list. Click **Close**.
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Step 3: Verify Driver Status

1. Open the **RSWho** window by clicking "**Communications**" > "**RSWho**".
 2. In the **RSWho** browser:
 - Locate the configured Ethernet driver in the left-hand pane.
 - Expand the driver to see connected devices.
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Step 4: Add a Device (For Ethernet Drivers Only)

1. If the device does not appear automatically:
 - Right-click on the **Ethernet Devices (AB_ETH)** driver in **RSWho**.
 - Select "**Add Station**".
 - Enter the IP address of the device and click **OK**.
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Step 5: Verify Device Communication

1. In the **RSWho** window:
 - Look for the device under the configured Ethernet driver. It should display its name or identifier (e.g., PLC name or IP address).
2. Confirm the communication status:
 - A green light icon or "Running" status indicates successful communication.

Setup the Project and Device in DeviceLink

Follow the steps below to set up the project and device in DeviceLink:

1. **Initiate Project Configuration:**
 - In the Copia interface, navigate to the **Projects** tab.
 - Click on "**Add a Project**" to open the project configuration dialog.
2. **Project Setup:**
 - **Select Project Type:** Choose "**Rockwell Studio/RSLogix 5000**" from the list.
 - **Assign an Agent:** Select an existing Agent or assign one later if not already created.
 - **Set Project Path:** Specify the repository and branch where the project (.ACD file) is stored.
 - **Project Details:** Enter the **Project Name** and optional **Description**.
 - Click "**Save and Continue**".

3. Device Setup:

- In the Device Setup section, click “**Add a Device**”.
- Enter a **Device Name** and optional **Device Description**.
- Enter the **Communication Path** for the PLC:
 - The communication path should be entered in the following format: [Driver Name]\IP Address\Communication Bus\Slot Number
 - Example AB-ETHIP-1\192.168.1.21\Backplane\0
- After the configuration is complete, click “**Save Device**”.

4. Job Setup:

- In the **Job Setup** section, click “**Add a Job**”:
 - **Job Name:** Enter a descriptive name for the job.
 - **Timeout Duration:** Set the maximum time the job is allowed to run.
 - **Schedule:** Set the frequency and timing for backups.
 - **Auto-Commit:** Select if you want auto-commit enabled and which branch to commit to if enabled.
 - Click “**Save Job**”.

5. Submit the Configuration:

- After completing the project, device, and job setups, click “**Submit Project Setup**” to finalize the configuration.

By completing these steps, your Rockwell PLC will be set up in DeviceLink for automated backups and change detection.