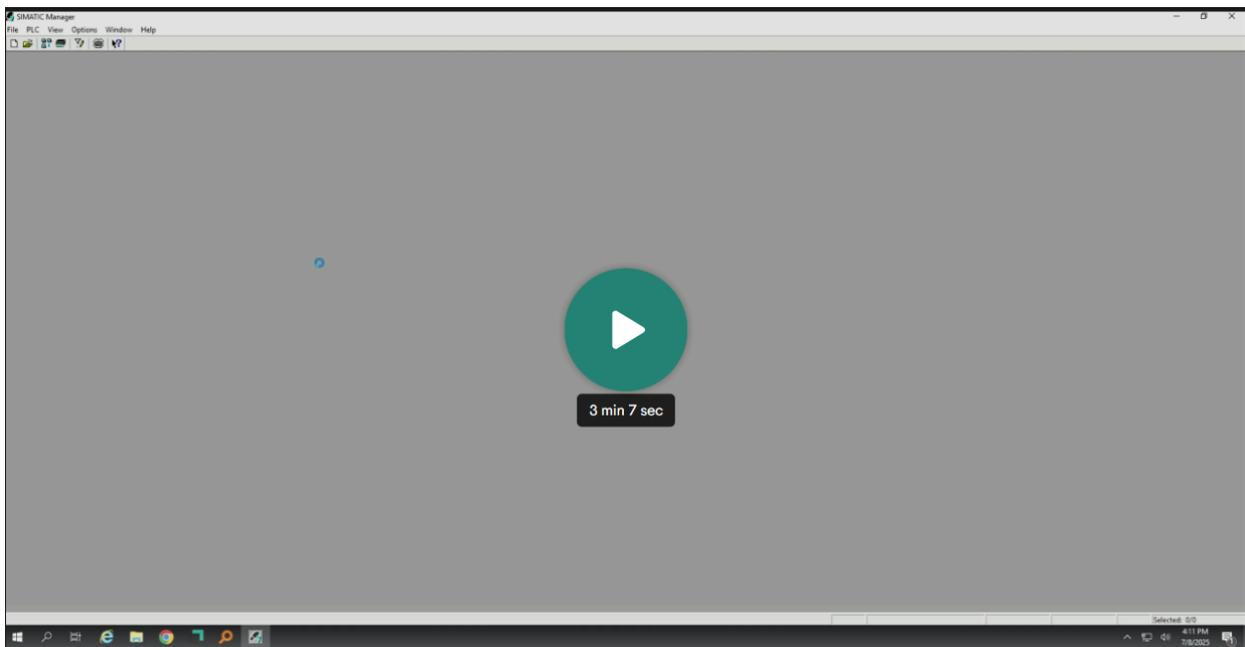

DeviceLink – Siemens Step7 5.x Quicksheet

Purpose

The purpose of this document is to provide clear, step-by-step instructions for setting up a Siemens Step7 5.x controller within Copia's DeviceLink platform.

[Video Tutorial](#)



Device Configuration/Setup

Agent Requirements

Set the PG/PC Interface in SIMATIC Manger:

1. Open **SIMATIC Manger** software on the Agent server.
2. Navigate to **Options >> Set PC/PG Interface...** to open the PG/PC menu.
3. In the **Set PG/PC Interface** menu, select the correct network TCP/IP adapter listed under the **Interface Parameter Assignment Used** field:
 - Scroll through the network adapters listed to find the correct adapter that is used to communicate with the PLC.
 - Click on this adapter to select it.
 - Press the “**OK**” button to assign this adapter to the **Interface Parameter Assignment Used**.
4. Once the correct network adapter has been assigned in the PG/PC interface menu, verify a valid connection can be established with the controller via SIMATIC Manger.

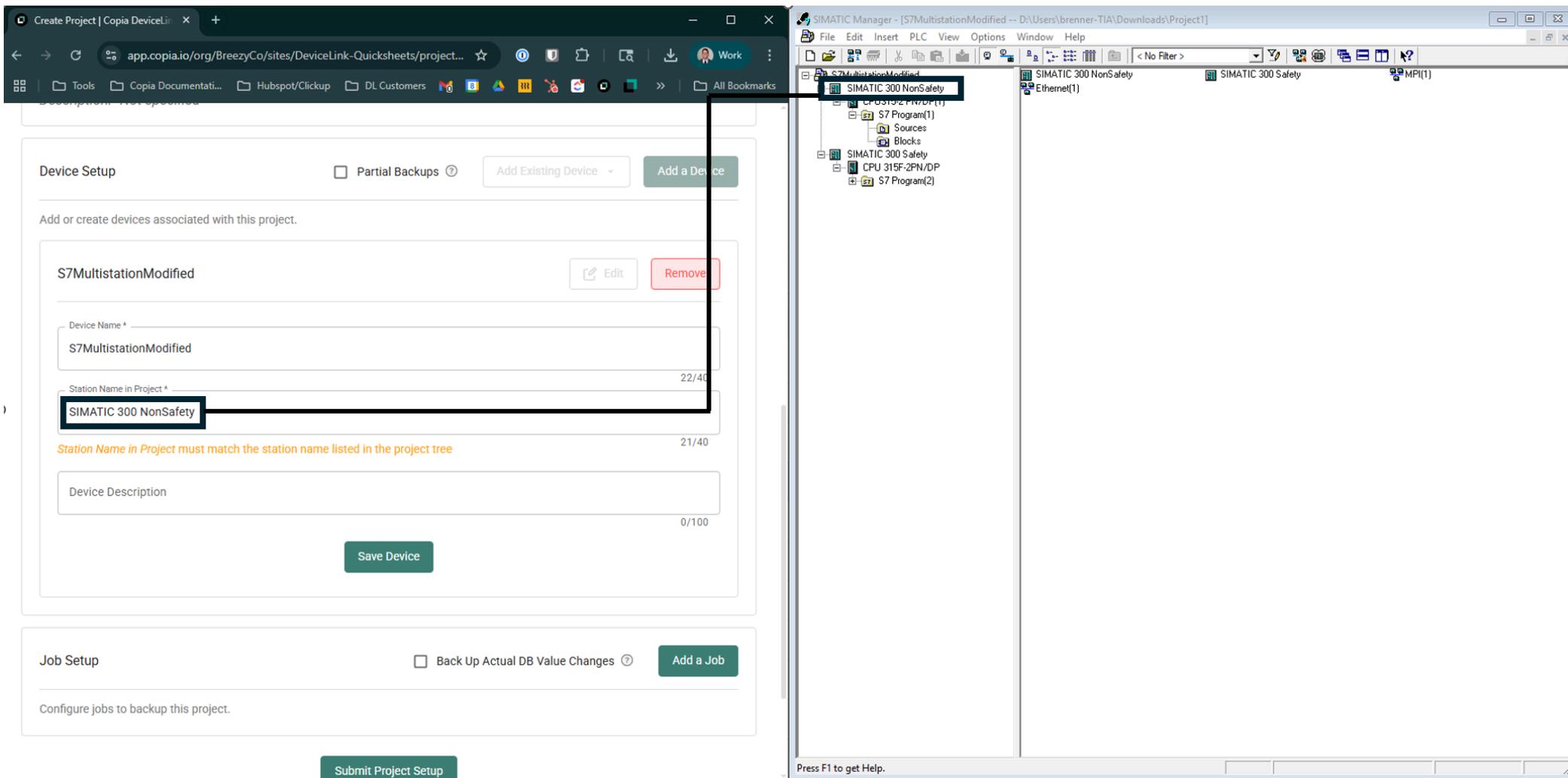
Configure the Project and Device in DeviceLink

1. **Initiate Project Configuration:**
 - In the Copia web application, navigate to the **Projects** tab.
 - Click on “**Add a Project**” to open the project configuration dialog.
2. **Project Setup:**
 - **Select Project Type:** Choose “**Siemens Step7 5.x**” 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 (.zip file) is stored.
 - **Project Details:** Enter the **Project Name** and optional **Description**.
 - Click “**Save and Continue**”.
3. **Device(s) Setup ([See Image on Page 4](#)):**
 - In the Device Setup section, click “**Add a Device**” and add device information:
 - **Partial Backups:** Copia supports backing up multi-controller projects. Enable this setting to successfully backup a subset of PLCs in a project.
 - **Device Name:** Enter a unique name for the device.
 - **Station Name in Project:** Input the exact station name as it appears in the SIMATIC Manger project tree.

-
- **Description:** Enter an optional description.
 - Click “**Save Device**”. Repeat for additional devices if necessary.
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**”.
 - **Note:** Copia recommends using a sitewide job schedule instead of individually scheduled jobs. Copia Documentation: [DeviceLink Sitewide Job Schedule](#).
5. Click **Submit the Configuration:**
- After completing the project, device, and job setups, click “**Submit Project Setup**” to finalize the configuration.

By completing these steps, your Siemens Step7 5.x PLC(s) will be set up in DeviceLink for automated backups and change detection.

Device Setup using SIMATIC Manager



The image displays two overlapping windows. The left window is a web browser showing the 'Device Setup' page for a project named 'S7MultistationModified'. The 'Station Name in Project' field is highlighted with a black box and contains the text 'SIMATIC 300 NonSafety'. A black line connects this field to the 'SIMATIC 300 NonSafety' entry in the project tree of the right window. The right window is the SIMATIC Manager software, showing a project tree with the following structure:

- S7MultistationModified
 - CPU 315F-2PN/DP(1)
 - S7 Program(1)
 - Sources
 - Blocks
 - SIMATIC 300 NonSafety (highlighted with a black box)
 - SIMATIC 300 Safety
 - CPU 315F-2PN/DP
 - S7 Program(2)

The SIMATIC Manager window also shows other components like 'SIMATIC 300 NonSafety Ethernet(1)', 'SIMATIC 300 Safety', and 'MPI(1)'. The status bar at the bottom of the SIMATIC Manager window reads 'Press F1 to get Help.'