Appendix 10: Connecting to Proficloud

Contents

Introduction

This guide will go over the steps to setup a connection to Proficloud.

Objectives

- Set up the controller to connect to the Proficloud
- Create a variable to be sent to the Proficloud
- Set up the connection on Proficloud.net

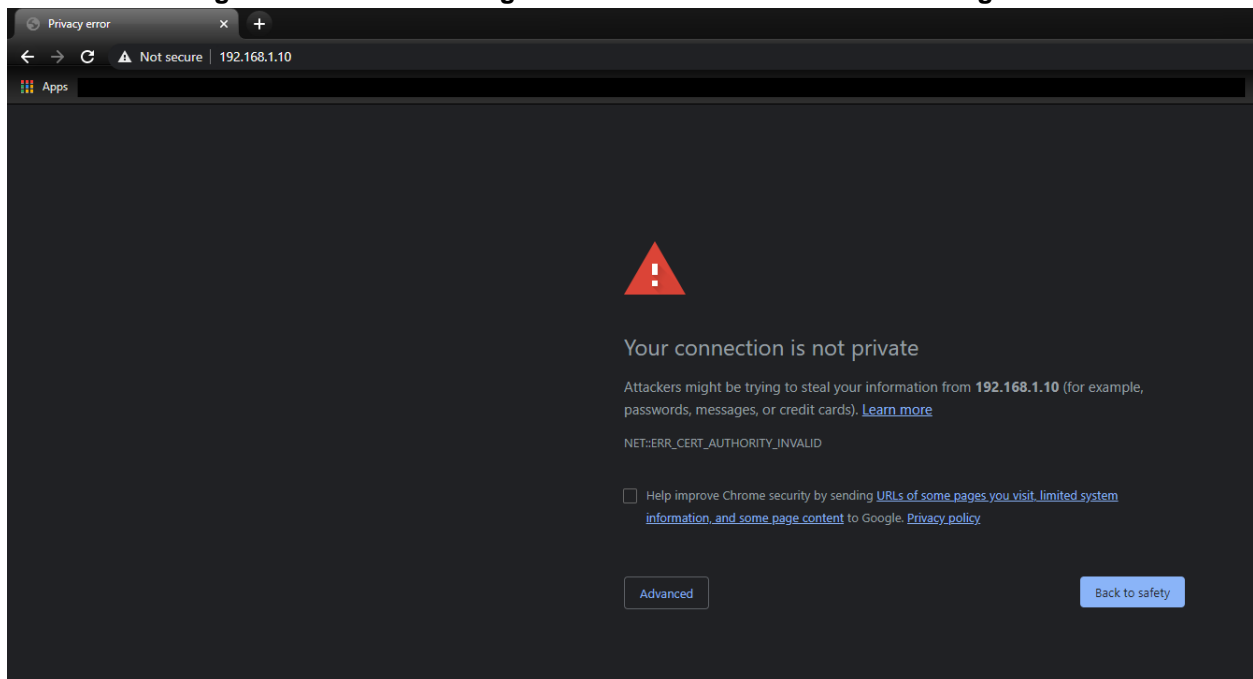# Procedure

Controller setup

This section will explain the process to set up the controller for a connection to the Proficloud.

NOTE: You must already have an internet connection! See Appendix 13 for how to connect to the internet.
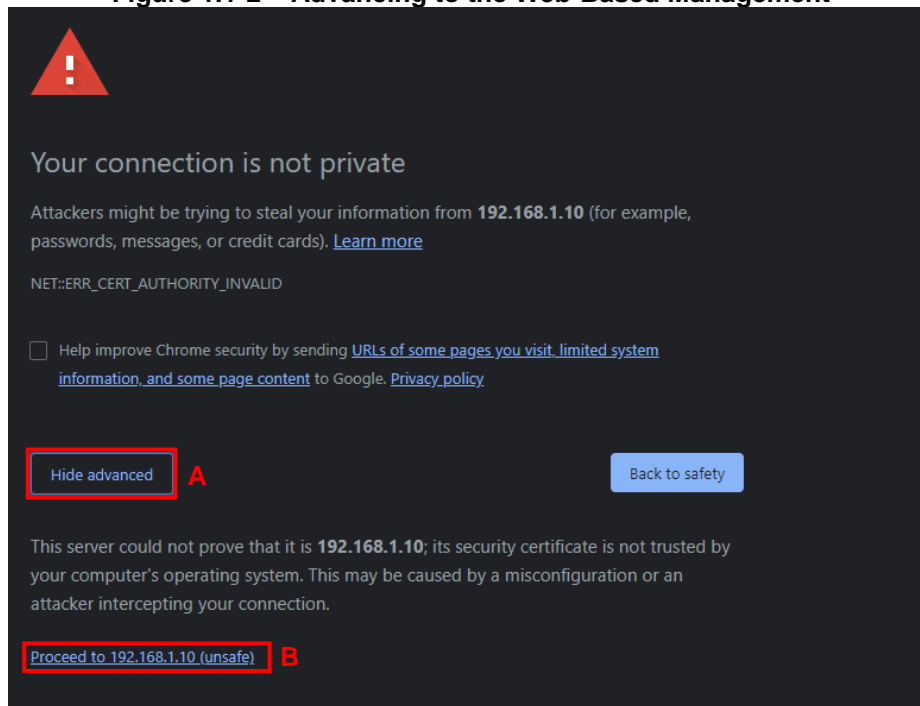
1.1 – Web-Based Management:

1. Open up a web browser, and type in the IP address of the controller, as shown in Figure 1.1-1.

Figure 1.1-1 – Connecting to the controller's Web-Based Management

2. A message will state that your connection is not private. To navigate to the Web-Based Management, click advanced (A) then Proceed (B) as shown in Figure 1.1-2.

Figure 1.1-2 – Advancing to the Web-Based Management

3. Once the page matches Figure 1.1-3, select the Easy Configuration button (A).

Figure 1.1-3 – Easy Configuration button

4. A screen will pop up asking for login credentials. Log into the Web-Based management as admin with the password printed on the housing (unless this password has been changed).
5. Once logged into the Web-Based Management, expand the Configuration tab (A), and select Proficloud (B) as shown in Figure 1.1-4.

Figure 1.1-4 – Proficloud configuration location

6. On this page, click the checkbox for Enabling Proficloud Service (A), and Enabling Time-Series (TSD) Service (B), and click apply (C). Then copy the UUID of the controller (D), and hold onto it for a later step, as shown in Figure 1.1-5.
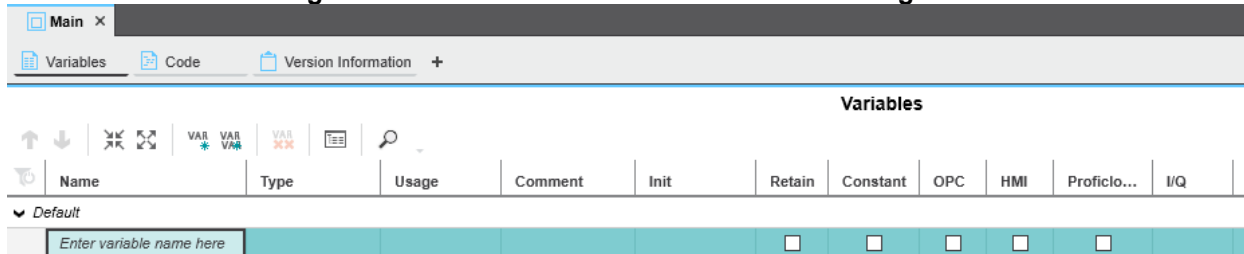
Figure 1.1-5 – Proficloud configuration

1.2 – PLCnext Engineer Setup
NOTE: If you do not know how to use PLCnext Engineer, refer to the Quick start Guide.
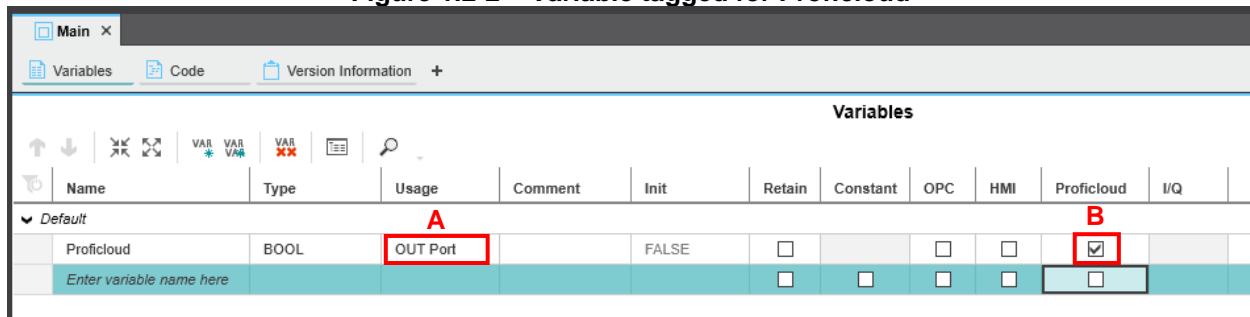
1. Open up a project in PLCnext Engineer.
2. Navigate to a program worksheet and go to the variables tab as shown in Figure 1.2-1.

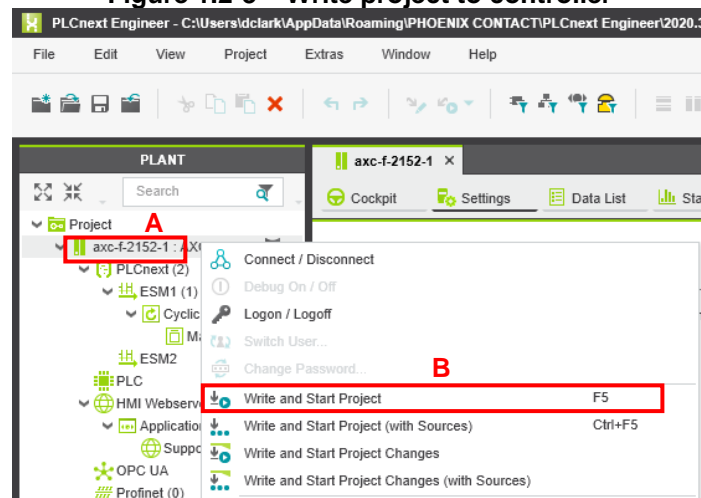**Figure 1.2-1 – Variable Worksheet in PLCnext Engineer**

3. Create a new variable and set its usage to OUT Port (A), and select the Proficloud checkbox (B), as shown in Figure 1.2-2.

Figure 1.2-2 – Variable tagged for Proficloud

4. Right click on axc-f-2152 (A), and select Write and Start Project (B) as shown in Figure 1.2-3.

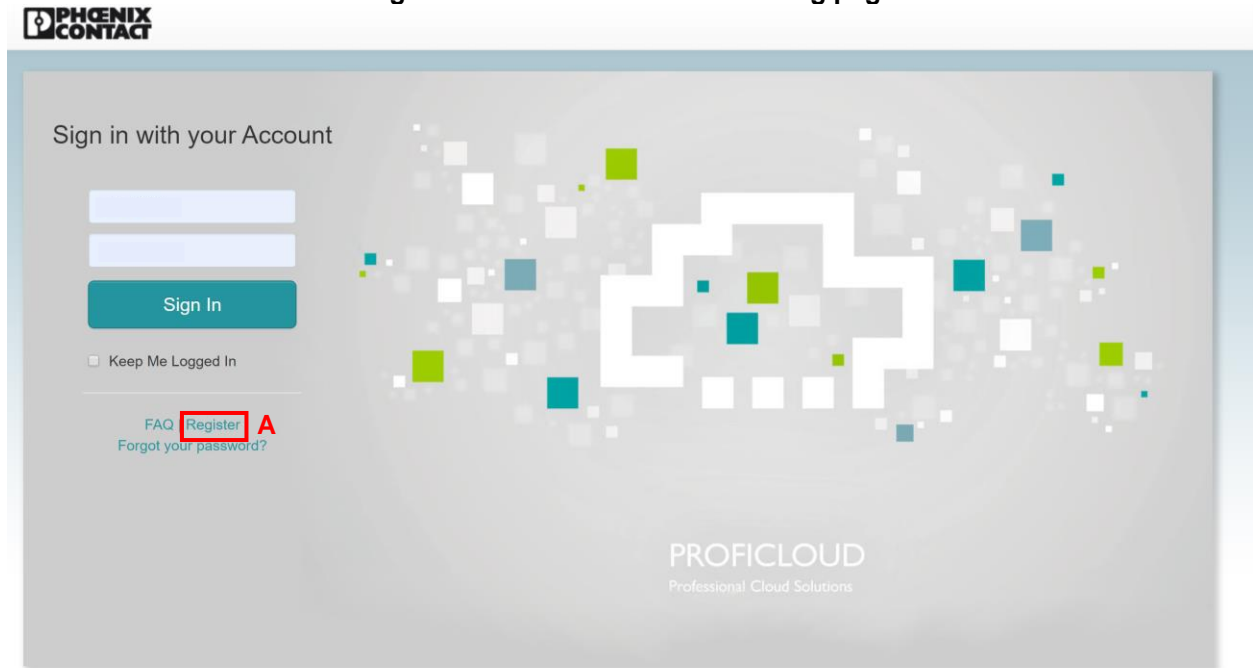**Figure 1.2-3 – Write project to controller**

Proficloud.net setup

2.1 – Setup:

This section goes over creating a Proficloud.net account (if you do not have one) and setting up the controller for analytics.

1. Open a browser and navigate to www.proficloud.net . If you already have an account for the PLCnext store of the PLCnext community, this is the same account credentials. If you do not, register for a new account (A) as shown in Figure 2.1-1.
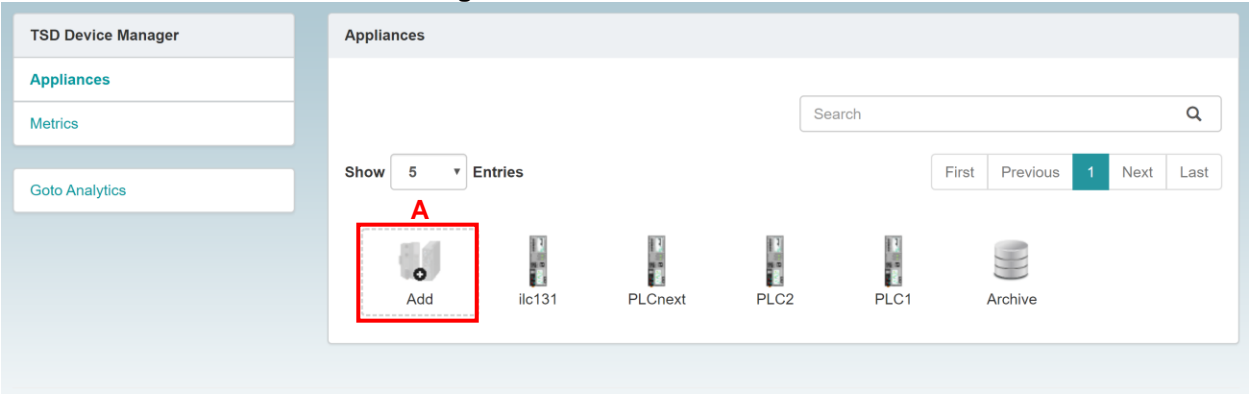
Figure 2.1-1 – Proficloud.net landing page

2. Once you are logged in, scroll to the bottom and select TSD Device Manager as shown in Figure 2.1-2.

Figure 2.1-2 – TSD Device Manager location

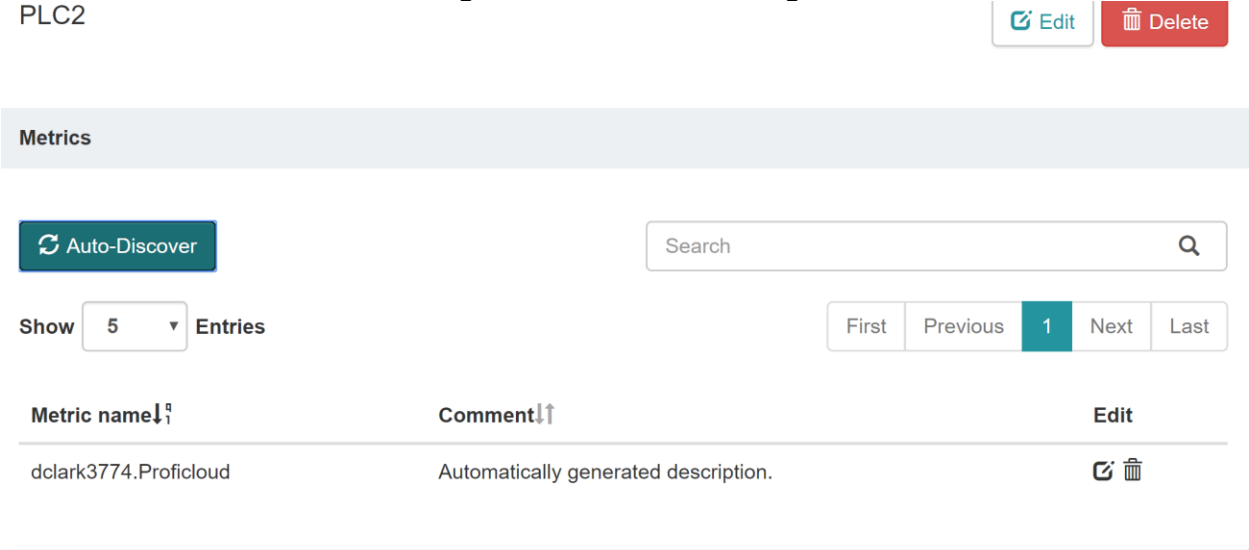3. On this page, select Add (A) to add your controller as shown in Figure 2.1-3.

Figure 2.1-3 – Add a controller

4. Enter the UUID that was saved from Figure 1.1-5, and enter a name for the device and click add.
5. Once the device is created, click on it to view the tags being sent to Proficloud as seen in Figure 2.1-4.

NOTE: If your tags do not populate after 30 seconds, ensure you have a tag setup correctly as explained in Section 1.2. If so refer to next section.
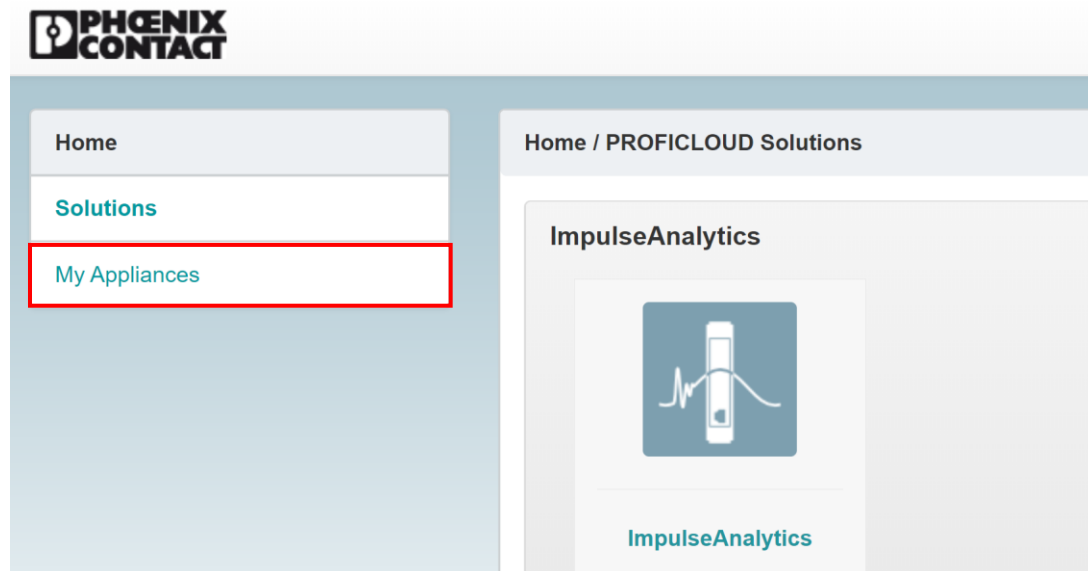
Figure 2.1-4 – Proficloud Tags

2.2 – Troubleshooting:

This section explains possible errors when setting up a Proficloud connection.

Issue: Tags do not populate on www.proficloud.net, please turn on appliance wheel stays indefinitely.

1. No tags available
    a. Check that you followed all steps correctly in Section 1.2. The tag **must** be an OUT port **and** the Proficloud checkbox **must** be checked.

2. Device not activated
    a. Check that you followed all steps correctly in Section 1.1. The Proficloud **and** TSD service **must** be checked.

3. Regtoken issue
    a. To solve this problem, type www.proficloud.net in the browser (leave the current page).
    b. At the top of the page once logged in, click My appliances as shown below.

    c. Once here, select the UUID that matches your controller as shown in the figure below.

Tag Filter:

Search:

Name		Creation Date	
61555df8-7574-4687-a59e-▮▮▮▮▮		2018-02-19	
07ba13de-d0ea-4d66-bc76-▮▮▮▮		2019-08-12	
a18c4ef3-76d9-406a-9849-▮▮▮▮		2019-10-24	

Show 25 entries

d. Once here, click the Reset Regtoken as shown below.

Edit   Reset Regtoken   ✖ Release Ownership