Control Programming LLC
Release Notes

Platform – Home Assistant - Platform - HTTP
version 4.00

Extension

This release note is for the CPLLC Home Assistant Platform Extension. Home Assistant is an Open Source Home automation product which can be found at https://www.home-assistant.io/.

Notes and Recommendations

Using a Home Assistant processor enables automatic synchronization between Home Assistant devices and the CH corresponding paired device.

The following Home Assistant entities are supported:

1) Lights
2) Outlets
3) Switches
4) Locks
5) Covers
6) Helper Input Boolean
7) Helper Button
8) Binary Sensor
9) Button

Drivers->Platform->Home Assistant->Gateway

Since a platform extension does not have a UI, any issues (i.e. invalid token, invalid IP address) will be documented in the error log.   If no sub extensions are created an error was encountered.
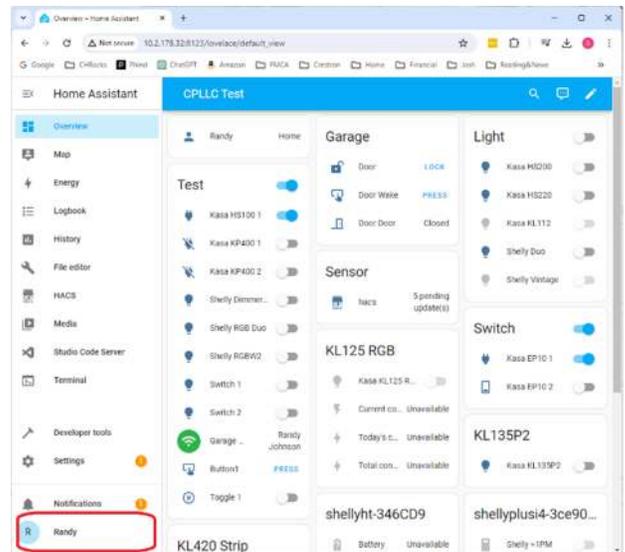
System Requirements and Dependencies

Crestron Home v4.000

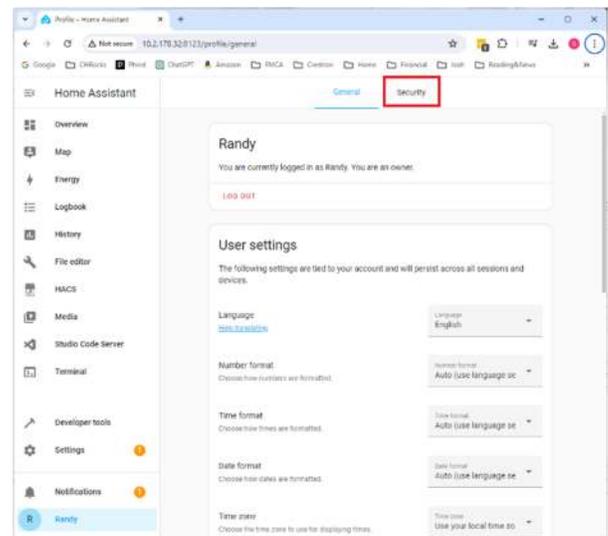# Operation Installation/Upgrade Instructions

To successfully communicate with the Home Assistant gateway, you will first need to create a long-lived token, which is Home Assistant's Restful API's authorization mechanism.
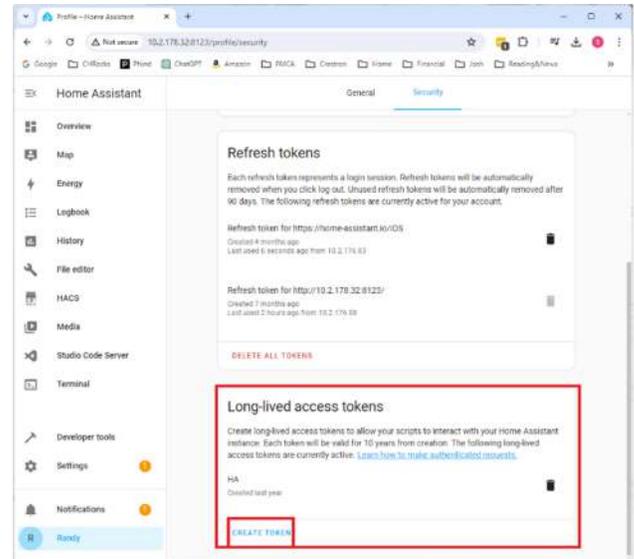
5 steps are required to create this token.

1: Bring up the Home Assistant Gateway via a Web Browser by typing in the IP address and 8123 Port Number. It is assumed that you have already created a login.
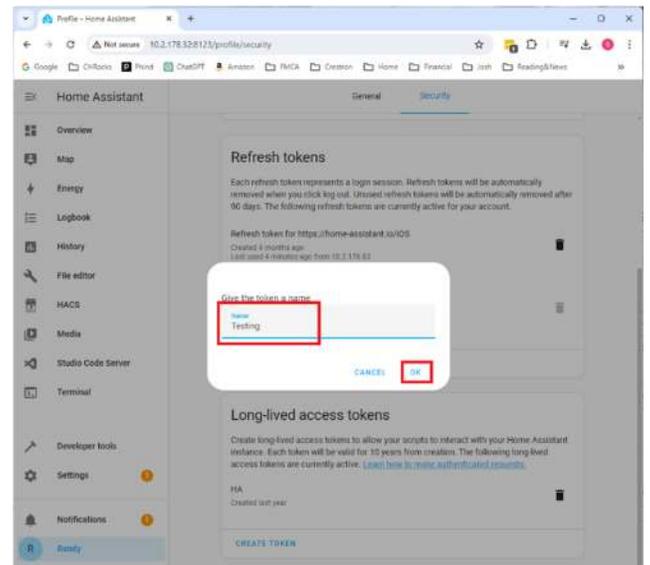

2: Click on your name in the lower left-hand corner (as highlighted in red show above) which will bring up the next screen. Then select the Security tab highlighted in red.
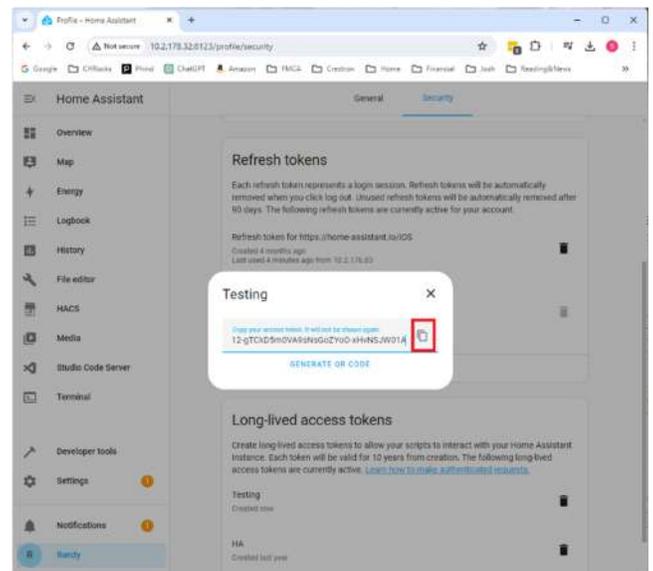
3: Scroll up the screen till you see the Long-lived access token. Click on Create Token which brings up the next screen.
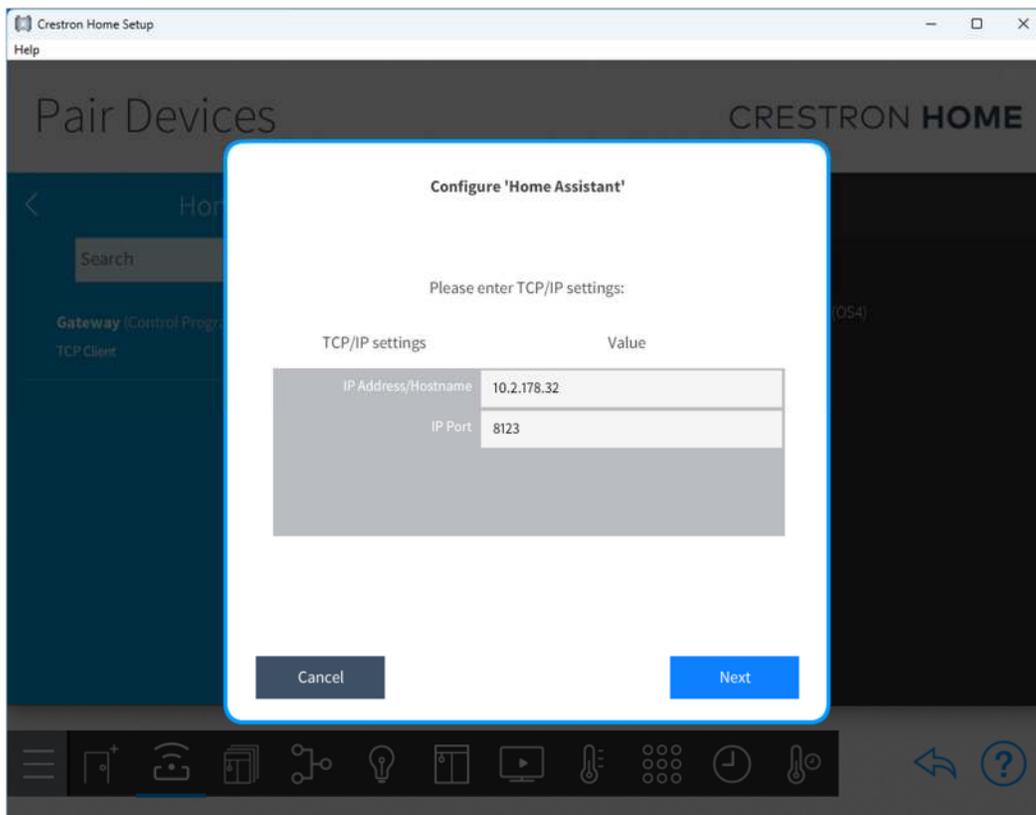
4: Name the token and hit Ok.

5: Copy the token using the copy symbol highlighted in red. ==It is important that you make a copy now as this token is never be displayed again. You will need to delete this token and restart the process if you do not make a copy.==

Installer Options

There will be three Installer Options steps when installing the Home Assistant for the first time.

Screen 1: You will need to enter the Home Assistant's IP address and the port number. The port number typically is 8123 and should be left as the default.

Screen 2 is a scrollable screen the contains the following inputs:

Obtain License Key – clicking on the "CPLLC.net" link will take you to the website to purchase the necessary license. The obtained license key will need to be entered in below location.
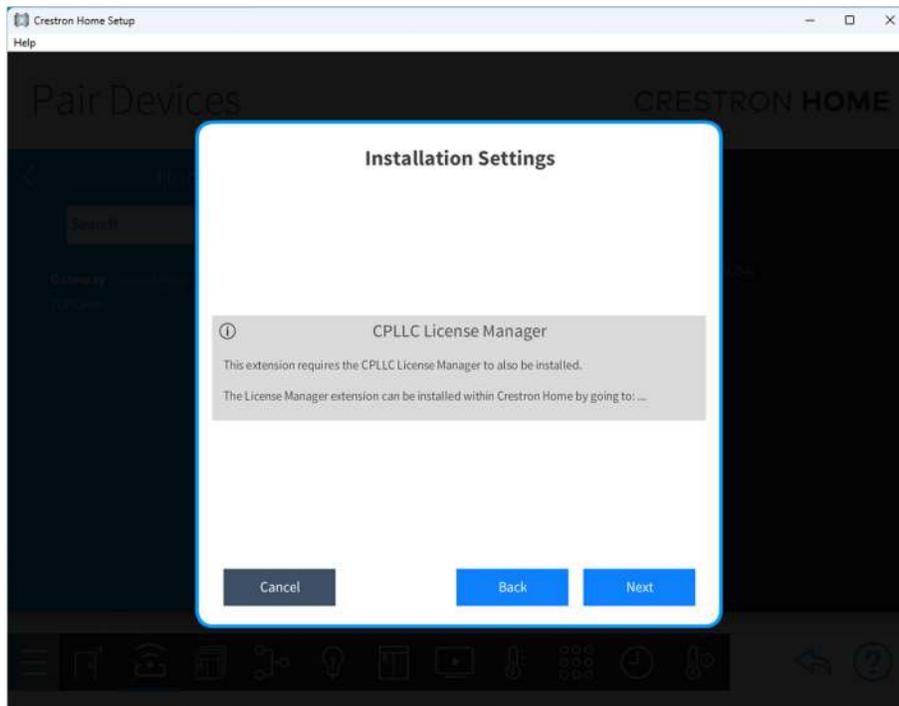
Enter License Key – Place to enter the above license key.

Use HTTPs – if checked, use HTTPs communication instead of HTTP

Home Assistant Label Filter – particular labels you want to import.

Home Assistant Token – token obtained above is placed here.

Screen 3 informs you that CPLLC's license manager must be installed. The extension does provide a two hour window where the extension can be tested without a valid license key being entered.

End-User Experience

Each paired device has it owns user experience which should be self-explanatory.

Limitations/Known Issues

- No know limitations or issues

Supported Features

- Not applicable

Test Environment

- CP4-R and MC4-R
- Crestron Home v4.000.0215

Contact Information

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Version History

2024-05-04   4.00

- Initial Release

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