iCloud3 Components

There are 3 major parts to the iCloud3 custom component that are used to configure, track and report device location information. They are:

- iCloud3 Custom Component
- Event Log
- The Configurator

This section describes each of the items.

iCloud3 Custom Component

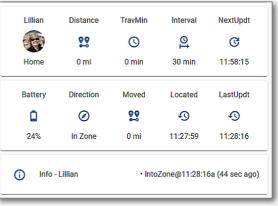
The iCloud3 Custom Component provides the core device tracking service. It does the following:

- Initializes and sets up all tracking activities using the device configuration data from t iCloud account.
- Monitors the iOS App configuration.
- Requests and processes location data from iCloud Location Services and the iOS App.
- Analyzes the location data and tracks the devices.
- Updates the sensors associated with each device.
- The iCloud3 files are installed in the *config/custom_components/icloud3* directory.

The screens below show examples of a tracked device's current status. The following is displayed:

- Notice the distance, travel time and travel direction based on the Home Zone.
- Notice when the device was last located, when it was last updated and the time of the next update.
- Gary is tracking from Home and the Warehouse Zone, Lillian just from Home.
- The *Info* field shows tracking results from nearby devices is being used.

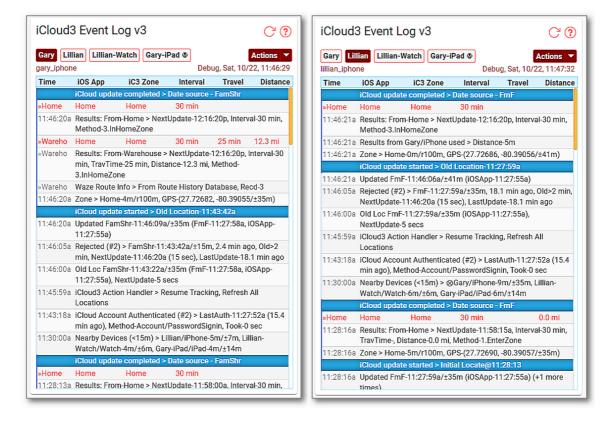




Event Log

The Event Log is a Lovelace custom card that shows past and current activity related to tracking a device. This includes:

- Startup configuration.
- Device information for Family Sharing, Find-my-Friends and iOS App devices and entities.
- Tracking results zone time and distance data.
- Error messages, problems, location data issues.
- Detail tracking monitors that show what is going on behind the scenes analyzing and processing location data from the iCloud Location Services and the iOS App.
- An Actions command menu that will:
 - Restart iCloud3 without restarting Home Assistant
 - Pause and resume tracking
 - Relocate all devices
 - Issue a Find My Device alert
 - Export the Event Log to a text file
 - Show/hide tracking monitors
 - Start/stop detailed debugging that will dump set up information and all raw data received from iCloud Location Services.
- The Event Log is installed into the *config/www/icloud3* directory. This directory can be changed on the *Configurator > Event Log Configuration* screen.
- It must be added as a resource on the \equiv > HA Settings > Dashboard > Lovelace Resources screen before it can be used. The steps to do this are described in the Installing iCloud3 > Step #3 Set up the Lovelace Resource.



iCloud3 Configurator

The Configurator is used to configure iCloud3 parameters. It is opened on the \equiv > HA Settings > Devices & Services > Integrations screen. Then select CONFIGURE on the iCloud3 Integrations entry.

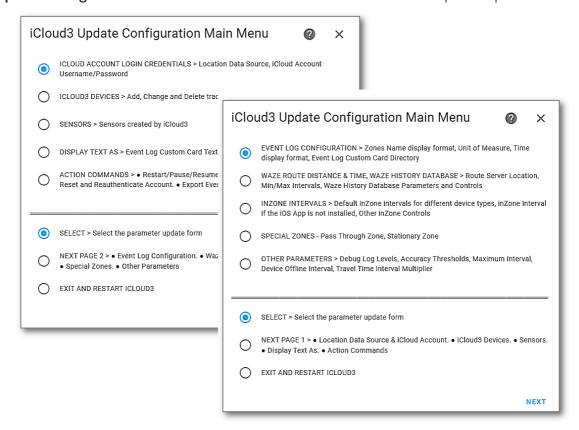


The Configurator consists of 2 menus and 10+ parameter entry screens. Each screen has two parts:

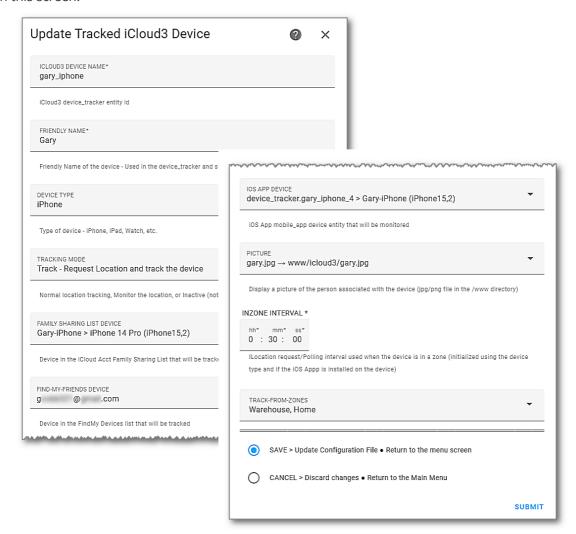
- **Selection or parameter entry (top part)** This is used to select a task to be done, an item to be selected or an option list/ text field for the parameter to be configure.
- Command or Action to be done (bottom part) First select the desired option (Select/Next/Add/Update/Delete/etc.), then select the command in the bottom right-hand corner of the screen (Next/Submit/Finish/etc.).

Several example screens are shown below, showing these 2-sections. These and the other screens are described in detail in the *Configuring iCloud3 Parameters* chapter.

Update Configuration Main Menu screens - These is used to select the specific update screen.



Update Tracked Device screens - Adding a new device and updating an existing device is done on this screen.



Event Log Configuration screen - Configuring the Event Log field display is done on this screen.

