

Migrating iCloud3 from v2.4.x to v3

iCloud3 v3 is a true Home Assistant Integration that is configured on the **HA Settings > Devices & Settings > Integration > iCloud3** screen. That means the yaml parameters in the *configuration.yaml* and *config_ic3.yaml* files are no longer used or needed.

When iCloud3 is added to HA on Integrations screen, the parameters in these files are migrated to the new internal files (*config/.storage/icloud3/configuration*). The migration should be painless but it is required that they be reviewed before they will be used. This is done on the configuration screens using *The Configurator* described in general in the *iCloud3 Components* chapter and in detail in the *Configuration Parameters* chapter.

!> IMPORTANT - The 'old yaml' parameters will be migrated again and again until they are reviewed with The Configurator. Once the review is done, the parameters updated in the 'new' Configurator will be used. The 'old yaml' parameters can then be deleted.

Do the following:

1. Install iCloud3 from HACS (or manually).
2. Add the iCloud3 integrations component (*iCloud3 Configurator*).
3. Open *The Configurator* and review each of the screens. The most important screens are:
 - *iCloud Account Login Credentials* screen - Verify the username/password. Select *Show/Hide Username/password* in the bottom area and click *Submit* to see them.
 - *iCloud3 Devices > iCloud3 Device Tracker Entities* - Review each of the devices you are tracking. The iCloud3 device_tracker entity no longer has to match the iPhone (or other device) device name. It now uses the actual name on the *Settings App > General > About > Name* field (Gary-iPhone). Verify it is correct. Do the same for the Find-My-Friends and the iOS App and picture.
 - Go through the other screens and change any parameter values that did not migrate correctly.
4. Exit *The Configurator*. Select *Restart Now*, then click *Submit* to restart iCloud3.

The device_tracker and sensor entities will be recreated, tracking will resume and the Event Log will redisplay the startup process stages before the devices are relocated.
5. If everything appears to work properly, delete (or comment out) the iCloud3 v2.4 parameters in the *configuration.yaml* file.

These steps are described below.

Step #1 - Install iCloud3

- **Easy Way** - Use HACS
 1. Open HACS.
 2. Select **Integrations**.
 3. Type **iCloud3** in the Search Bar at the top of the screen.
 4. Select **iCloud3 Device Tracker**.
 5. Select **Download**, then select **Download** again in the popup window.

6. Restart Home Assistant.

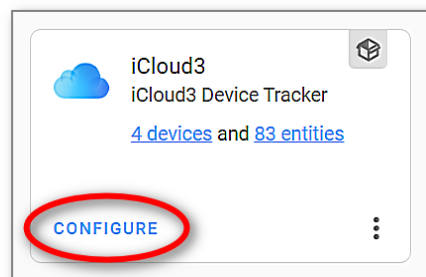
- **Hard Way** - Manual Installation

1. Download the *icloud3.zip* file from the <https://github.com/gcobb321/icloud3> iCloud3 GitHub Repository.
2. Unzip the file into the *config/sustom_components/icloud3* directory.
3. **Restart Home Assistant**

Step #2 - Set up the iCloud3 Integration

iCloud3 is a Home Assistant Integration and is configured on the Integrations screens.

1. Select ☰ > **HA Settings** > **Devices & Services** > **Integrations**.
2. Select **+ Add Integration** in the lower-right hand corner.
3. Type **iCloud3**. Then select **iCloud3** from the list of Integrations. The iCloud3 entry will be added to the *Integrations* screen.



4. Select **Configure**

Step #3 - Review the Configuration Parameter screens

The iCloud3 parameters need to be reviewed to verify the migration was performed correctly.

Open *The Configurator*:

1. Select ☰ > **HA Settings** > **Devices & Services** > **Integrations**
2. Select **iCloud3** > **Configure** as shown above.

iCloud Account & Login Credentials screen

1. Select **Show/Hide Username/Password** at the bottom and click **Submit** to display them. Correct them if necessary. They are hidden from view for security purposes. Additionally, the password is encrypted in the configuration file.
2. Select **Login**, then select **Submit**. The iCloud account will be logged into and the iPhones, iPads and other devices associated with the account will be loaded if you changed them.

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LOCATION DATA SOURCE
ICLOUD & IOSAPP - iCloud account and iOS App are used for location data

The services used for location and other data - the iCloud account, the iOS App or both

APPLE ID
gc.....21@gm.....om

The email address used to sign in to the iCloud Account

PASSWORD
Gc.....17

The Password of the iCloud Account

☐ LOGIN > Log into the iCloud Account

☐ ENTER VERIFICATION CODE - Enter the 6-digit Apple Verification Code

☐ SHOW/HIDE USERNAME/PASSWORD - Show or hide the Username and Password

☒ SAVE > Update Configuration File • Return to the menu screen

☐ CANCEL > Discard changes • Return to the Main Menu

SUBMIT

iCloud3 Devices screen

All of the devices being tracked are listed on this screen.

1. Select **Update Device**, then select **Next** to display the *Update Tracked iCloud3 Device* screen.

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iCloud3 devices that will be tracked

☒ gary_iphone → Gary, FamShr-(Gary-iPhone), FmF-(g.....@.....com), IOSApp-(gary_iphone_4)

☐ lillian_iphone → Lillian, FmF-(li.....@.....com), IOSApp-(lillian_iphone_app)

☐ lillian_watch → Lillian-Watch, FamShr-(Lillian's Apple Watch)

☐ gary_ipad_ic3 → MONITOR, Gary-iPad, FamShr-(Gary-iPad), IOSApp-(gary_ipad)

☒ UPDATE DEVICE > Update the selected device

☐ ADD DEVICE > Add a device to be tracked by iCloud3

☐ DELETE DEVICE > Delete the selected device from the tracked device list

☐ RETURN > Return to the Main Menu

NEXT

Update Tracked iCloud3 Device screen

This screen is used to specify various parameters used by iCloud3 to track the device. The major parameters are:

- The names of the actual device from the Family Share List, the Find-my-Friends list and the iOS App device tracker entities providing location information.
- The picture to be displayed on the *device_tracker.[devicename]* entity and the *[sensor.[devicename]]_badge* entity.

Verify the parameters migrated correctly and make any necessary changes.

Update Tracked iCloud3 Device

ICLOUD3 DEVICE NAME*
gary_iphone

iCloud3 device_tracker entity id

FRIENDLY NAME*
Gary

Friendly Name of the device - Used in the device_tracker and s

DEVICE TYPE
iPhone

Type of device - iPhone, iPad, Watch, etc.

TRACKING MODE
Track - Request Location and track the device

Normal location tracking, Monitor the location, or Inactive (not

FAMILY SHARING LIST DEVICE
Gary-iPhone > iPhone 14 Pro (iPhone15,2)

Device in the iCloud Acct Family Sharing List that will be track

FIND-MY-FRIENDS DEVICE
g @ .com

Device in the FindMy Devices list that will be tracked

IOS APP DEVICE
device_tracker.gary_iphone_4 > Gary-iPhone (iPhone15,2)

iOS App mobile_app device entity that will be monitored

PICTURE
gary.jpg -> www/icloud3/gary.jpg

Display a picture of the person associated with the device (jpg/png file in the /www directory)

INZONE INTERVAL *

hh* mm* ss*
0 : 30 : 00

Location request/Polling interval used when the device is in a zone (initialized using the device type and if the iOS App is installed on the device)

TRACK-FROM-ZONES
Warehouse, Home

☒ SAVE > Update Configuration File • Return to the menu screen

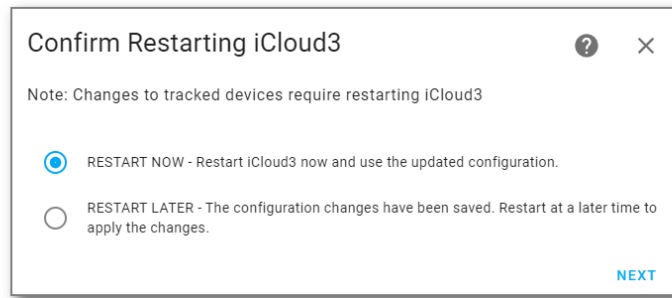
☐ CANCEL > Discard changes • Return to the Main Menu

SUBMIT

Step #4 - Exit *The Configurator* and Restart iCloud3

Since a tracked device was updated, iCloud3 will restart when you exit *The Configurator*.

1. Select **Return**, then select **Next** to display the **Main Menu** screen.
2. Select **Exit and Restart**, then select **Next** to exit *The Configurator* and display the *Confirm Restarting iCloud3* screen.



1. Select **Restart Now**, then select **Next**.
2. Select **Finish** on the final *Success, Options Successfully Saved* screen.
3. iCloud3 will restart, the device_tracker and sensor entities are created, the device will be located and tracking will begin.

The Other Configuration Screens

Review the other screens just to see what is configurable. Nothing has to be done right now to get you up and running. The default values will work fine. The other screens are shown and described in *Configuring iCloud3 using The Configurator* in the next chapter

Step #5 - Restart Home Assistant (if necessary)

If you successfully added the Lovelace tracking and Event Log cards and the tracking data is displayed, you are done.

Otherwise, restart Home Assistant to make sure iCloud3 starts, tracking begins and the Tracking and Event Log screens display correctly.

When iCloud3 starts, it follows a startup process to:

- Check the directory settings
- Load the configuration parameters
- Load the tracked and monitored devices
- Access the your iCloud account to get the devices tied to your account
- Get the information for the devices using the HA Companion App
- Tie everything together
- Start tracking.

The results of this process are shown in the Event Log and detailed in *Event Log During Startup* in a previous chapter.

- Check the Event Log (it should display something) for error messages.
- Check the HA Log file (*config/home-assistant.log*)
- Verify that the device_tracker and sensor entities are set up. The *Devices & Settings > Integrations > iCloud3* entry should show at least one device_tracker and some entities for that device.