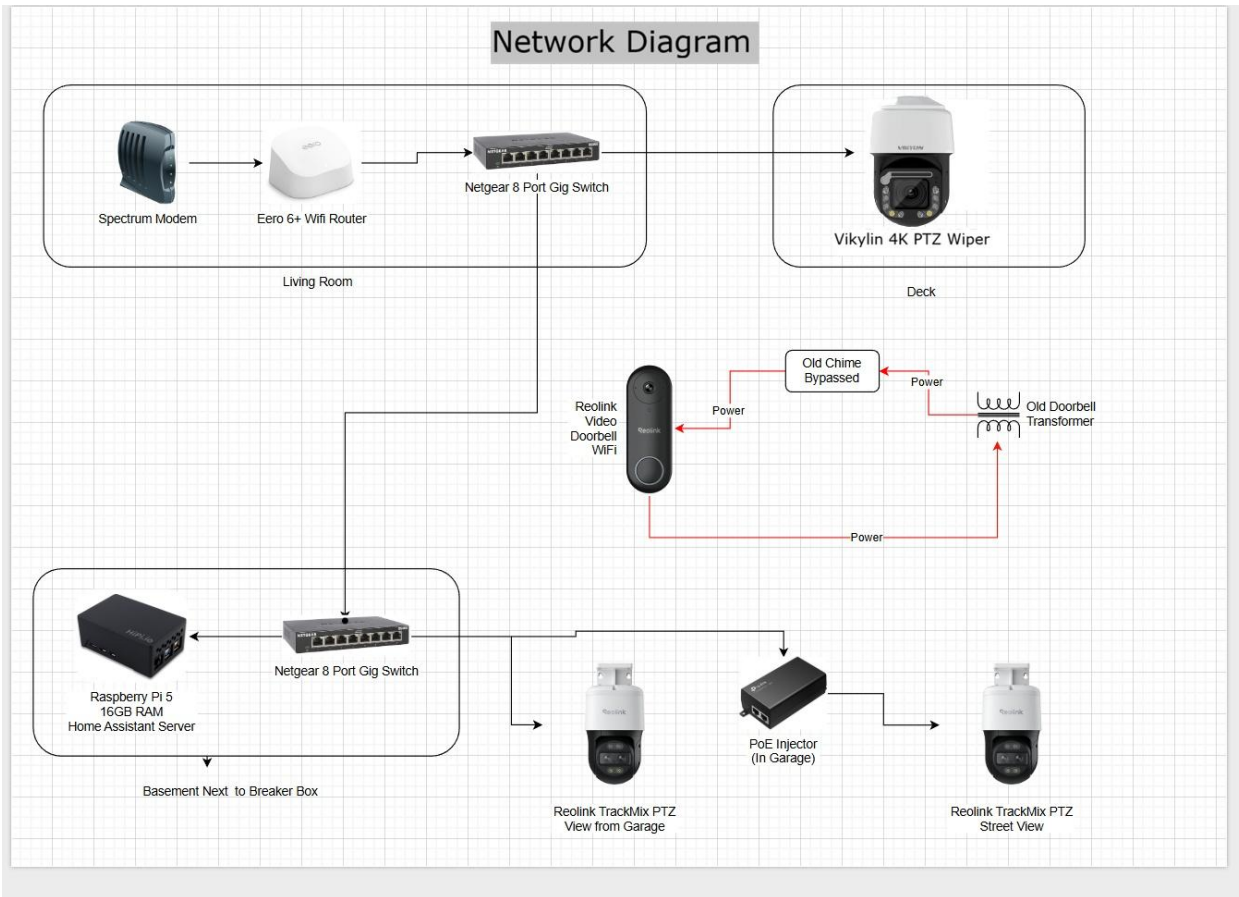


Home Automation System Documentation

1. Network Overview

- **Router/Access Point:** Eero 6+ (Amazon-owned)
- **Network Topology:** Single VLAN - Standard NATed Class C subnet
- **Subnet Address/Mask:** 192.168.x.x
- **DHCP:** Reservations configured for all automation hardware to ensure consistent IP assignments.
- **DNS:** Currently, all DNS lookups are forwarded to ISP DNS servers. No local DNS service is configured.
 - *Recommendation:* Consider implementing local DNS (e.g., via host files or a local DNS server) for easier internal access by hostname. Extensive testing is advised due to DNS's critical role.
- **WAN (Internet):**
 - **ISP:** Spectrum
 - **Speed:** 640 Mbps down / 56 Mbps up
 - **Router (Eero 6+):** 192.168.x.x
- **LAN (Internal Network):**
 - **Backbone:** 1 Gbps
 - **Cabling:** CAT6 Twisted Pair Ethernet
 - **Switches:** 2x Netgear 8-port unmanaged switches
- **External Access:**
 - No port forwarding or open ports on firewall
 - TailScale VPN configured on Home Assistant server
 - Eero management access through cloud service
 - Home Assistant external access through Nabu Casa cloud service

Home Automation System Documentation



2. Automation System

- **Platform:** Home Assistant OS (home-assistant.io)
- **Server Hardware:**
 - **System:** Raspberry Pi 5 (16 GB RAM)
 - **Primary Drive:** 2TB SanDisk SSD (SDSSDE81-2T00-G25, 2000MB/s)
 - **Backup Drive:** 2TB SanDisk SSD (SDSSDE30-2T00-G26, 800MB/s)

3. Cameras

Home Automation System Documentation

Name	Camera Model	Power	Firmware	Hardware	Serial Number	MAC Address
Front Door	Reolink Video Doorbell WiFi	Legacy Transformer	v3.0.0.4662	9DB_566128M5MP_W	X	X
Street View	Reolink TrackMix PoE (P760)	PoE Injector	v3.0.0.4255	IPC_529SD78MP	X	X
Garage View	Reolink TrackMix PoE (P760)	DC Adapter	v3.0.0.4255	IPC_529SD78MP	X	X
Deck	Vikylin 4K PTZ Wiper	DC Adapter	X	X	X	X

4. Other Automation Hardware

- **Shelly Relays:** For garage door, coffee maker, and lighting control
- **Shelly BLU Sensors:** 4x door sensors, 1x water sensor

5. System Configuration

- **Camera Recording:** Triggered by Reolink’s built-in AI (people/vehicle detection)
 - 30-second video clips with 10-second pre-trigger look-back
- **Media Retention:** Video and snapshots retained for 90 days; automated daily purge of media older than 90 days at 2 AM via HACS “delete” service
- **Backups:**
 - System and media backed up daily (4–5 AM)
 - 7 system backups stored locally (primary and backup drives); latest backup also stored in the cloud (NabuCasa)
 - Media backups stored locally on backup drive

- **Restoring From Backup:**

The procedure documented on the Nabu Casa site will walk through the steps to restore the server and it’s configuration to the latest backup:

<https://support.nabucasa.com/hc/en-us/articles/26294419665181-Restoring-Home-Assistant-from-a-backup-stored-on-Cloud>

Home Automation System Documentation

Restoring media files is accomplished by navigating to the settings/system/backups page and selecting the **manual** backups under **my backups**, clicking the overflow menu (three vertical dots) and selecting **download**. Once it is downloaded you can browse and select the media files to restore and hit go to begin the restore.

6. External Monitoring of System

- Basic Connectivity
 - Periodic Pings of the External Interface of the Eero Wireless Router have been configured on a server managed by the installer
- Advanced Connectivity & Server Check
 - Additionally on the installer's server, every 15 min an *automation* is triggered that checks the connectivity status of the External Interface of the Eero.
 - If that is not showing connected for 3 min or more, an alert is generated regarding the connectivity.
 - If the connectivity is good, a Restful command is used to initiate a Webhook call to the server, if that is not successful, an alert is generated regarding the system's status.
 - Otherwise, no alerts will be created because everything appears to be functional.
 - Currently these alerts go to the installer.
- Note:
 - We need to discuss the options for alerting the customer(s) about connectivity & server functionality issues.

7. Maintenance and Updates

- The Home Assistant Software Release Schedule:

The developers release new software features on the first Wednesday of each month. Then, depending on how many issues are reported by the user community, they release one or more bug fix updates throughout the rest of the month. Therefore, sometime just before the end of the month there will be a software update that has that month's new features and somewhere between 1 and 5 iterations of bug fixes rolled together. This final release of the month, just before the new features for the next month are added, is the best bet for getting the most stable & debugged software version and is what update is applied when the system

Home Automation System Documentation

is updated unless a specific issue needs to be addressed through the application of a specific release/update.

Other modules, add-ons and components have a much more erratic release schedule and are more focused on bug fixes versus new features. These will be triaged-up when the Home Assistant software updates are applied and typically can be performed in conjunction with the Home Assistant *core* update and do not significantly impact the downtime required for the update process as described below.

All software updates can be rolled-back through the utilization of the backup and restoration process in the event that an update causes major functionality issues.

The update and restart process requires very little downtime. Typically, less than 10 minutes to apply the updates and maybe 2-3 minutes to restart the system. So all together about 15 minutes.

These updates are done every 1-3 months near the end of the month, typically during the last week of the month, between 1:00 AM and 5:00 AM when it is least likely the system is being actively used.

8. Recommendations

- Upgrade ISP upload speed to >256 Mbps for improved remote access, especially to recorded videos and camera feeds.
 - Add UPS/battery backup for critical components (router, switches, server, cameras)
-

Home Automation System Documentation

Appendix 1 - Templates

domains:

```
{% set unique_domains = states | map(attribute='domain') | list | unique | list %}
{%- for domain in unique_domains -%}
- {{domain + "\n"}}
{%- endfor %}
```

entities:

```
{% for state in states -%}
- {{state.entity_id + "\n"}}
{%- endfor %}
```

domains:

- update
- conversation
- event
- sensor
- binary_sensor
- stt
- tts
- zone
- script
- person
- sun
- device_tracker
- todo
- light
- cover
- automation
- button
- switch
- weather
- camera
- number
- select
- siren
- media_player
- remote
- notify

entities:

- update.home_assistant_supervisor_update
- update.home_assistant_core_update
- update.get_hacs_update
- update.file_editor_update
- update.samba_nas_update
- update.adb_server_update
- update.tailscale_update
- update.home_assistant_operating_system_update
- conversation.home_assistant
- event.backup_automatic_backup
- sensor.backup_backup_manager_state
- sensor.backup_next_scheduled_automatic_backup
- sensor.backup_last_successful_automatic_backup
- sensor.backup_last_attempted_automatic_backup
- binary_sensor.remote_ui
- stt.home_assistant_cloud
- tts.home_assistant_cloud
- zone.home
- script.front_door_record_video
- script.snapshot_front_door
- script.vidcamrecord

Home Automation System Documentation

Appendix 1 - Templates

- script.vidcamsnap
- person.
- person.chris
- person.
- sun.sun
- sensor.sun_next_dawn
- sensor.sun_next_dusk
- sensor.sun_next_midnight
- sensor.sun_next_noon
- sensor.sun_next_rising
- sensor.sun_next_setting
- sensor.home_nearest_device
- sensor.home_nearest_distance
- sensor.home_nearest_direction_of_travel
- sensor.home_chris_distance
- sensor.home_chris_direction_of_travel
- sensor.home_2_nearest_device
- sensor.home_2_nearest_distance
- sensor.home_2_nearest_direction_of_travel
- sensor.home_2__distance
- sensor.home_2__direction_of_travel
- sensor.__proximity_nearest_device
- sensor.__proximity_nearest_distance
- sensor.__proximity_nearest_direction_of_travel
- sensor.__proximity__distance
- sensor.__proximity__direction_of_travel
- update.hacs_update
- update.advanced_camera_card_update
- update.delete_files_and_folders_update
- update.caule_themes_pack_1_by_caule_studio_update
- update.battery_state_card_entity_row_update
- device_tracker.ckg_iphone_16pro_max
- sensor.ckg_iphone_16pro_max_ssid
- sensor.ckg_iphone_16pro_max_battery_state
- sensor.ckg_iphone_16pro_max_storage
- sensor.ckg_iphone_16pro_max_bssid
- sensor.ckg_iphone_16pro_max_battery_level
- sensor.ckg_iphone_16pro_max_connection_type
- sensor.ckg_iphone_16pro_max_sim_1
- sensor.ckg_iphone_16pro_max_sim_2
- sensor.ckg_iphone_16pro_max_geocoded_location
- sensor.ckg_iphone_16pro_max_last_update_trigger
- sensor.ckg_iphone_16pro_max_app_version
- sensor.ckg_iphone_16pro_max_location_permission
- sensor.ckg_iphone_16pro_max_audio_output
- device_tracker.___phone
- sensor.___phone_storage
- sensor.___phone_connection_type
- sensor.___phone_battery_level
- sensor.___phone_geocoded_location
- sensor.___phone_sim_1
- sensor.___phone_sim_2
- sensor.___phone_ssid
- sensor.___phone_bssid
- sensor.___phone_last_update_trigger
- sensor.___phone_audio_output
- sensor.___phone_battery_state
- sensor.___phone_app_version
- sensor.___phone_location_permission
- device_tracker._s_iphone
- sensor._s_iphone_bssid
- sensor._s_iphone_ssid
- sensor._s_iphone_storage
- sensor._s_iphone_connection_type
- sensor._s_iphone_geocoded_location
- sensor._s_iphone_last_update_trigger

Home Automation System Documentation

Appendix 1 - Templates

- sensor._s_iphone_battery_level
- sensor._s_iphone_battery_state
- sensor._s_iphone_sim_1
- sensor._s_iphone_app_version
- sensor._s_iphone_audio_output
- sensor._s_iphone_location_permission
- sensor._s_iphone_sim_2
- sensor.hp_officejet_4650_series_black_ink
- sensor.hp_officejet_4650_series_tri_color_ink
- tts.google_translate_en_com
- binary_sensor.eero_wan_status
- sensor.eero_external_ip
- sensor.eero_uptime
- sensor.hp_officejet_4650_series
- binary_sensor.water_sensor_flood
- sensor.water_sensor_temperature
- sensor.water_sensor_battery
- todo.shopping_list
- binary_sensor.rpi_power_status
- light._bedroom_lights
- cover.garage_switch
- automation.doorbellbutton
- automation.vehicle_record_view_from_garage
- automation.record_vehicle_street_view
- automation.water_sensor_alerts
- automation._arrival_notification
- automation._arrival_notification
- automation.coffee_maker_left_on_notification
- automation.full_backup
- automation.deck_person_record
- automation.record_person_doorbell
- automation.camfiles_cleanup_everything_90_days
- automation.deltest
- sensor.system_monitor_disk_free
- sensor.system_monitor_disk_use
- sensor.system_monitor_disk_usage
- sensor.system_monitor_ipv4_address_lo
- sensor.system_monitor_ipv4_address_hassio
- sensor.system_monitor_ipv4_address_wlan0
- sensor.system_monitor_ipv4_address_docker0
- sensor.system_monitor_ipv4_address_end0
- sensor.system_monitor_last_boot
- sensor.system_monitor_memory_free
- sensor.system_monitor_memory_use
- sensor.system_monitor_memory_usage
- sensor.system_monitor_processor_use
- sensor.system_monitor_processor_temperature
- button.garage_switch_reboot
- sensor.shellyplus1_b8d61a87f658_rssi
- switch.garage_switch
- update.garage_switch_firmware
- binary_sensor._bedroom_lights_overheating
- binary_sensor._bedroom_lights_overpowering
- binary_sensor._bedroom_lights_overvoltage
- binary_sensor._bedroom_lights_overcurrent
- button._bedroom_lights_reboot
- sensor._bedroom_lights_power
- sensor._bedroom_lights_energy
- sensor.shellypmminig3_ecda3bc26150_rssi
- switch._bedroom_lights
- update._bedroom_lights_firmware
- binary_sensor.shelly_plug_overheating
- binary_sensor.shelly_plug_overpowering
- binary_sensor.shelly_plug_overvoltage
- binary_sensor.shelly_plug_overcurrent
- button.shelly_plug_reboot

Home Automation System Documentation

Appendix 1 - Templates

- sensor.shelly_plug_power
- sensor.shelly_plug_energy
- switch.shelly_plug
- update.shelly_plug_firmware
- weather.forecast_home
- binary_sensor.shelly_blu_door_window_c910_window
- event.shelly_blu_door_window_c910_button
- sensor.shelly_blu_door_window_c910_battery
- sensor.shelly_blu_door_window_c910_illuminance
- sensor.shelly_blu_door_window_c910_rotation
- sensor.shelly_blu_door_window_c910_signal_strength
- binary_sensor.shelly_blu_door_window_c5d5_window
- event.shelly_door_sensor_basement_back_door_button
- sensor.shelly_blu_door_window_c5d5_battery
- sensor.shelly_blu_door_window_c5d5_illuminance
- sensor.shelly_blu_door_window_c5d5_rotation
- sensor.shelly_blu_door_window_c5d5_signal_strength
- binary_sensor.shelly_door_sensor_garage_back_door_window
- sensor.shelly_door_sensor_garage_back_door_battery
- sensor.shelly_door_sensor_garage_back_door_illuminance
- sensor.shelly_door_sensor_garage_back_door_rotation
- binary_sensor.main_sliding_door
- event.main_sliding_door_button
- sensor.main_sliding_door_battery
- sensor.main_sliding_door_illuminance
- sensor.main_sliding_door_rotation
- camera.ipc_profile000_mainstream_2
- camera.end_of_drive_onvif_profile000_mainstream
- camera.end_of_drive_onvif_profile003_autotrackstream
- camera.ipc_profile003_autotrackstream
- binary_sensor.deck_motion
- binary_sensor.deck_person
- binary_sensor.deck_vehicle
- binary_sensor.deck_animal
- camera.deck_fluent
- camera.deck_snapshots_clear
- light.deck_floodlight
- number.deck_volume
- number.deck_motion_sensitivity
- number.deck_ai_person_sensitivity
- number.deck_ai_vehicle_sensitivity
- number.deck_ai_animal_sensitivity
- select.deck_floodlight_mode
- select.deck_day_night_mode
- sensor.deck_day_night_state
- switch.deck_infrared_lights_in_night_mode
- switch.deck_record_audio
- switch.deck_siren_on_event
- switch.deck_email_on_event
- switch.deck_push_notifications
- switch.deck_record
- update.deck_firmware
- binary_sensor.front_door_motion
- binary_sensor.front_door_person
- binary_sensor.front_door_vehicle
- binary_sensor.front_door_pet
- binary_sensor.front_door_visitor
- camera.front_door_fluent
- camera.front_door_snapshots_clear
- number.front_door_volume
- number.front_door_speak_volume
- number.front_door_doorbell_volume
- number.front_door_motion_sensitivity
- number.front_door_ai_person_sensitivity
- number.front_door_ai_vehicle_sensitivity
- number.front_door_ai_pet_sensitivity

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Appendix 1 - Templates

- number.front_door_auto_quick_reply_time
- number.reolink_chime_volume
- number.reolink_chime_silent_time
- select.front_door_day_night_mode
- select.front_door_play_quick_reply_message
- select.front_door_auto_quick_reply_message
- select.front_door_doorbell_led
- select.reolink_chime_motion_ringtone
- select.reolink_chime_person_ringtone
- select.reolink_chime_vehicle_ringtone
- select.reolink_chime_visitor_ringtone
- sensor.front_door_day_night_state
- sensor.front_door_wi-fi_signal
- siren.front_door_siren
- switch.front_door_infrared_lights_in_night_mode
- switch.front_door_record_audio
- switch.front_door_siren_on_event
- switch.front_door_doorbell_button_sound
- switch.front_door_privacy_mode
- switch.front_door_email_on_event
- switch.front_door_push_notifications
- switch.front_door_record
- switch.reolink_chime_led
- update.front_door_firmware
- binary_sensor.view_from_garage_motion
- binary_sensor.view_from_garage_person
- binary_sensor.view_from_garage_vehicle
- binary_sensor.view_from_garage_animal
- button.view_from_garage_ptz_stop
- button.view_from_garage_ptz_left
- button.view_from_garage_ptz_right
- button.view_from_garage_ptz_up
- button.view_from_garage_ptz_down
- button.view_from_garage_ptz_calibrate
- button.view_from_garage_guard_go_to
- button.view_from_garage_guard_set_current_position
- button.porch_restart
- camera.view_from_garage_fluent_lens_0
- camera.view_from_garage_fluent_lens_1
- light.view_from_garage_floodlight
- number.view_from_garage_zoom
- number.view_from_garage_guard_return_time
- number.view_from_garage_motion_sensitivity
- number.view_from_garage_ai_person_sensitivity
- number.view_from_garage_ai_vehicle_sensitivity
- number.view_from_garage_ai_animal_sensitivity
- number.porch_ai_person_delay
- number.porch_ai_vehicle_delay
- number.porch_ai_animal_delay
- number.porch_auto_track_disappear_time
- number.porch_auto_track_stop_time
- number.porch_day_night_switch_threshold
- select.view_from_garage_floodlight_mode
- select.view_from_garage_day_night_mode
- select.view_from_garage_ptz_preset
- select.view_from_garage_auto_track_method
- sensor.view_from_garage_ptz_pan_position
- sensor.view_from_garage_day_night_state
- switch.view_from_garage_infrared_lights_in_night_mode
- switch.view_from_garage_record_audio
- switch.view_from_garage_siren_on_event
- switch.view_from_garage_auto_tracking
- switch.view_from_garage_guard_return
- switch.view_from_garage_email_on_event
- switch.view_from_garage_push_notifications
- switch.view_from_garage_record

Home Automation System Documentation

Appendix 1 - Templates

- update.view_from_garage_firmware
- binary_sensor.street_view_motion
- binary_sensor.street_view_person
- binary_sensor.street_view_vehicle
- binary_sensor.street_view_animal
- button.street_view_ptz_stop
- button.street_view_ptz_left
- button.street_view_ptz_right
- button.street_view_ptz_up
- button.street_view_ptz_down
- button.street_view_ptz_calibrate
- button.street_view_guard_go_to
- button.street_view_guard_set_current_position
- camera.street_view_fluent_lens_0
- camera.street_view_fluent_lens_1
- light.street_view_floodlight
- number.street_view_zoom
- number.street_view_volume
- number.street_view_guard_return_time
- number.street_view_motion_sensitivity
- number.street_view_ai_person_sensitivity
- number.street_view_ai_vehicle_sensitivity
- number.street_view_ai_animal_sensitivity
- select.street_view_floodlight_mode
- select.street_view_day_night_mode
- select.street_view_ptz_preset
- select.street_view_auto_track_method
- sensor.street_view_ptz_pan_position
- sensor.street_view_day_night_state
- switch.street_view_infrared_lights_in_night_mode
- switch.street_view_record_audio
- switch.street_view_siren_on_event
- switch.street_view_auto_tracking
- switch.street_view_guard_return
- switch.street_view_email_on_event
- switch.street_view_push_notifications
- switch.street_view_record
- update.street_view_firmware
- sensor.eero_wan_status
- media_player.fire_tv_redacted
- remote.fire_tv_redacted
- automation.webhook
- notify.file

Home Automation System Documentation

Appendix 2 – Automation & Scripts

/homeassistant/automations.yaml

```
- id: '1758884088765'
  alias: DoorbellButton
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - binary_sensor.front_door_visitor
    to: 'on'
  conditions: []
  actions:
  - action: notify.mobile_app__s_iphone
    metadata: {}
    data:
      data:
        entity_id: camera.front_door_fluent
        message: Someone is ringing the doorbell
  - action: notify.mobile_app___phone
    metadata: {}
    data:
      data:
        entity_id: camera.front_door_fluent
        message: Someone is ringing the doorbell
  mode: single
- id: '1758975669308'
  alias: Record Vehicle - View from Garage
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - binary_sensor.view_from_garage_vehicle
    to: 'on'
  conditions: []
  actions:
  - action: script.vidcamrecord
    metadata: {}
    data:
      vidcam: camera.ipc_profile003_autotrackstream
      vidfolder: ViewFromGarage
  mode: single
- id: '1759142264915'
  alias: Record Vehicle - Street View
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - binary_sensor.street_view_vehicle
    to: 'on'
  conditions: []
  actions:
  - action: script.vidcamrecord
    data:
      vidcam: camera.end_of_drive_onvif_profile003_autotrackstream
      vidfolder: StreetView
  mode: single
- id: '1759159639206'
  alias: Water Sensor Alerts
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - binary_sensor.water_sensor_flood
    to: 'on'
  for:
    hours: 0
```

Home Automation System Documentation

Appendix 2 – Automation & Scripts

```
    minutes: 2
    seconds: 0
  conditions: []
  actions:
  - action: notify.mobile_app__s_iphone
    metadata: {}
    data:
      message: Water Detected
      data:
        push:
          interruption-level: critical
  - action: notify.mobile_app___phone
    metadata: {}
    data:
      message: Water Detected
      data:
        push:
          interruption-level: critical
  mode: single
- id: '1759805198951'
  alias: Arrival Notification
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - sensor.home_2__direction_of_travel
    from: towards
    to: arrived
  conditions:
  - condition: numeric_state
    entity_id: sensor.home_2__distance
    below: 150
  actions:
  - action: notify.mobile_app___phone
    metadata: {}
    data:
      message: is arriving
  mode: single
- id: '1759805445614'
  alias: Arrival Notification
  description: ''
  triggers:
  - trigger: state
    entity_id:
    - sensor.__proximity__direction_of_travel
    from: towards
    to: arrived
  conditions:
  - condition: numeric_state
    entity_id: sensor.__proximity__distance
    below: 150
  actions:
  - action: notify.mobile_app__s_iphone
    metadata: {}
    data:
      message: is arriving
  mode: single
- id: '1759806119821'
  alias: Coffee Maker - Turn Off and Notify
  description: ''
  triggers:
  - trigger: time
    at: '22:00:00'
    weekday:
    - sun
    - mon
```

Home Automation System Documentation

Appendix 2 – Automation & Scripts

```
- tue
- wed
- thu
- fri
- sat
conditions:
- condition: state
  entity_id: switch.shelly_plug
  state: 'on'
actions:
- if:
  - condition: state
    entity_id: switch.shelly_plug
    state: 'on'
  then:
  - action: switch.turn_off
    metadata: {}
    data: {}
    target:
      entity_id: switch.shelly_plug
  - action: notify.mobile_app__s_iphone
    metadata: {}
    data:
      message: The Shelly Plug / Coffee Maker Has Been Powered OFF.
  - action: notify.mobile_app___phone
    metadata: {}
    data:
      message: The Shelly Plug / Coffee Maker Has Been Powered OFF.
mode: single
- id: '1760397128741'
alias: Full Backup to Local Backup Drive – Includes Media Folders
description: ''
triggers:
- trigger: time
  at: 04:00:00
  weekday:
  - sat
  - fri
  - thu
  - wed
  - tue
  - mon
  - sun
conditions: []
actions:
- action: hassio.backup_full
  data:
    compressed: true
    location: BackupSSD
mode: single
- id: '1760677691248'
alias: Record Person – Deck
description: ''
triggers:
- trigger: state
  entity_id:
  - binary_sensor.deck_person
  to: 'on'
conditions: []
actions:
- action: script.vidcamrecord
  metadata: {}
  data:
    vidcam: camera.ipc_profile000_mainstream_2
    vidfolder: Deck
mode: single
```

Home Automation System Documentation

Appendix 2 – Automation & Scripts

```
- id: '1760678595731'
alias: Record Person - Doorbell
description: ''
triggers:
- trigger: state
  entity_id:
  - binary_sensor.front_door_person
  to: 'on'
conditions: []
actions:
- action: script.vidcamrecord
  metadata: {}
  data:
    vidcam: camera.front_door_fluent
    vidfolder: Doorbell
mode: single
- id: '1760684334179'
alias: 'CamFiles Cleanup Everything > 90 days '
description: ''
triggers:
- trigger: time
  at: 02:00:00
  weekday:
  - sun
  - mon
  - tue
  - wed
  - thu
  - fri
  - sat
conditions: []
actions:
- action: delete.files_in_folder
  metadata: {}
  data:
    folder: /media/CamFiles/
    time: 7776000
    scan_subfolders: true
mode: single
- id: redacted
alias: deltest
description: ''
triggers: []
conditions: []
actions:
- action: delete.files_in_folder
  metadata: {}
  data:
    folder: /media/CamFiles/deltest/
    time: 0
    scan_subfolders: true
mode: single
- id: redacted
alias: WebHook
description: ''
triggers:
- trigger: webhook
  allowed_methods:
  - POST
  - PUT
  - GET
  local_only: false
  webhook_id: redacted
conditions: []
actions: []
mode: single
```

Home Automation System Documentation

Appendix 2 – Automation & Scripts

/homeassistant/scripts.yaml

```
front_door_record_video:
  sequence:
  - variables:
    var_camera_id: camera.front_door_fluent
    var_cam_name: FrontDoor
  - action: camera.record
    metadata: {}
    data:
      filename: /media/video/{{ var_cam_name }}/{{ var_cam_name }}_{{
now().strftime("%Y%m%d-%H%M%S")
      }}.mp4
      lookback: 10
      duration: 20
    target:
      entity_id: '{{ var_camera_id }}'
  alias: Front Door Record Video
snapshot_front_door:
  sequence:
  - variables:
    var_camera_id: camera.front_door_snapshots_clear
    var_cam_name: FrontDoor
  - action: camera.snapshot
    metadata: {}
    target:
      entity_id: camera.front_door_snapshots_clear
    data:
      filename: /media/pic/{{ var_cam_name }}/{{ var_cam_name }}_{{now().strftime("%Y%m%d-
%H%M%S")
      }}.jpg
  alias: Front Door Snapshot
  description: ''
vidcamrecord:
  sequence:
  - action: camera.record
    metadata: {}
    data:
      duration: 20
      filename: /media/CamFiles/{{vidfolder}}/{{vidfolder}}_{{now().strftime("%Y%m%d-
%H%M%S")}}.mp4
      lookback: 10
    target:
      entity_id: '{{ vidcam }}'
  fields:
    vidcam:
      selector:
        entity:
          multiple: false
    vidfolder:
      selector:
        template: {}
        name: VidFolder
        required: true
  alias: VidCamRecord
  description: ''
  mode: parallel
  max: 5
vidcamsnap:
  sequence:
  - action: camera.snapshot
    metadata: {}
    data:
      filename: /media/CamFiles/{{picfolder}}/{{picfolder}}_{{now().strftime("%Y%m%d-
%H%M%S")}}.mp4
    target:
```

Home Automation System Documentation

Appendix 2 – Automation & Scripts

```
entity_id: '{{ vidcam }}'  
- variables:  
  PicFullPath: '/media/CamFiles/{{picfolder}}/{{picfolder}}_{{now().strftime("%Y%m%d-%H%M%S")}}.mp4 '  
fields:  
  vidcam:  
    selector:  
      entity: {}  
      name: Vidcam  
      required: true  
  picfolder:  
    selector:  
      template: {}  
      name: PicFolder  
      required: true  
alias: VidCamSnap  
description: ''
```

Home Automation System Documentation

Appendix 3 – DHCP Reservations

IPV4 reservations

Redacted

Home Automation System Documentation

Appendix 4 – Current Versions

Installation method	Home Assistant OS
Core	2025.9.4
Supervisor	2025.10.0
Operating System	16.2
Frontend	20250903.5

Home Automation System Documentation

Appendix 5 – Monitor Automation on External System

```
alias: Monitor Home Assistant
description: ""
triggers:
  - trigger: time_pattern
    minutes: /15
conditions: []
actions:
  - if:
    - condition: state
      entity_id: binary_sensor.x
      state: "on"
      for:
        hours: 0
        minutes: 3
        seconds: 0
    then:
      - action: rest_command.call__webhook
        metadata: {}
        data: {}
        response_variable: _Response
      - if:
        - condition: template
          value_template: "{{ _Response['status'] != 200 }}"
        then:
          - action: input_text.set_value
            metadata: {}
            data:
              value: System Issue
            target:
              entity_id: input_text._system_status
          - action: notify.mobile_app_ckg_iphone_16pro_max
            metadata: {}
            data:
              message: Connection to Router Up but Home Assistant Webhook failed
        else:
          - action: input_text.set_value
            metadata: {}
            data:
              value: No Issues - System Connected
            target:
              entity_id: input_text._system_status
          - stop: Valid Connection & Webhook Response
      else:
        - action: input_text.set_value
          metadata: {}
          data:
            value: Network Issue
          target:
            entity_id: input_text._system_status
        - action: notify.mobile_app_ckg_iphone_16pro_max
          metadata: {}
          data:
            message: " Internet Connection Down "
mode: single
```