

1.5.15 Frigate NVR

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01. Frigate Installation

Configuration File

```
mqtt:
  enabled: true
  host: 10.131.2.131
  user: peaske
  password: 7&QpPlqBKickers49$91

semantic_search:
  enabled: true
  reindex: false

record:
  enabled: true
  continuous:
    days: 14

snapshots:
  enabled: true
  retain:
    default: 14
  required_zones: [cam_1_person, cam_2_person, cam_3_person, cam_4_person,
    cam_5_person, cam_6_person, cam_7_person, cam_8_person, cam_9_person]
  # Optional: Camera override for retention settings (default: global values)

objects:
  track:
    - person

cameras:      # No cameras defined, UI wizard should be used
  cam_1:
    enabled: true
    ffmpeg:
```

inputs:

- path:

rtsp://admin:Stel13DeternetAreal()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif

roles:

- record
- audio
- path:

rtsp://admin:Stel13DeternetAreal()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

roles:

- detect

objects:

track:

- person
- car

detect:

enabled: true

width: 1280

height: 720

fps: 5

review:

alerts:

labels:

- person
- car

required_zones:

- cam_1_person
- # - cam_1_car

detections:

labels:

- person

required_zones:

- cam_1_person
- # - cam_1_car

live:

streams:

```
Stream 1: cam_1_1
Stream 2: cam_1_2
notifications:
  enabled: true
zones:
  cam_1_person:
    coordinates: 0.679,0.187,0.407,0.989,0.668,0.997,0.72,0.593,0.737,0.195
    inertia: 3
    loitering_time: 0
    objects: person
  #cam_1_car:
    # coordinates: 0.539,0.127,0.285,0.374,0.073,0.772,0.186,1,0.651,0.149
    # loitering_time: 0
    # inertia: 3
    # objects: car
```

```
cam_2:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stell3DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
  roles:
    - record
    - audio
  - path:
```

```
rtsp://admin:Stell3DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
  roles:
    - detect
detect:
  enabled: true
  width: 1280
  height: 720
  fps: 5
review:
  alerts:
```

```
  labels:
    - person
  required_zones:
    - cam_2_person
detections:
  labels:
    - person
  required_zones:
    - cam_2_person
live:
  streams:
    Stream 1: cam_2_1
    Stream 2: cam_2_2
notifications:
  enabled: true
zones:
  cam_2_person:
    coordinates: 0.483,0.265,0.35,0.998,0.754,0.992,0.582,0.009
    loitering_time: 0
    objects: person
objects:
  filters:
    person:
      mask: 0.004,0.011,0.003,0.991,0.335,0.992,0.478,0.241,0.57,0.008
```

cam_3:

```
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
```

```
  roles:
    - record
    - audio
  - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
    roles:
      - detect
detect:
  enabled: true
  width: 1280
  height: 720
  fps: 5
review:
  alerts:
    labels:
      - person
    required_zones:
      - cam_3_person
  detections:
    labels:
      - person
    required_zones:
      - cam_3_person
live:
  streams:
    Stream 1: cam_3_1
    Stream 2: cam_3_2
zones:
  cam_3_person:
    coordinates: 0.497,0.106,0.59,0.991,0.462,0.992,0.45,0.13
    loitering_time: 0
    objects: person
objects:
  filters:
    person:
      mask:
        0.506,0.113,0.601,0.982,0.995,0.989,0.992,0.018,0.545,0,0.61,0.087
cam_4:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

rtsp://admin:Stel13DeternetAreal()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=0&un

```
icast=true&proto=0nvif
```

```
  roles:
```

- record
- audio
- path:

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=1&un
```

```
icast=true&proto=0nvif
```

```
  roles:
```

- detect

```
detect:
```

```
  enabled: true
```

```
  width: 1280
```

```
  height: 720
```

```
  fps: 5
```

```
review:
```

```
  alerts:
```

```
    labels:
```

- person

```
    required_zones:
```

- cam_4_person

```
  detections:
```

```
    labels:
```

- person

```
    required_zones:
```

- cam_4_person

```
live:
```

```
  streams:
```

```
    Stream 1: cam_4_1
```

```
    Stream 2: cam_4_2
```

```
notifications:
```

```
  enabled: true
```

```
zones:
```

```
  cam_4_person:
```

```
    coordinates: 0.593,0.465,0.712,0.994,0.366,0.997,0.374,0.466
```

```
    loitering_time: 0
```

```
    objects: person
```

```
objects:
```

```
  mask:
```

0.311,0.005,0.359,0.431,0.664,0.437,0.817,0.995,0.995,0.998,0.994,0.009

cam_5:

enabled: true

ffmpeg:

inputs:

- path:

rtsp://admin:Stel13DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif

roles:

- record

- audio

- path:

rtsp://admin:Stel13DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif

roles:

- detect

detect:

enabled: true

width: 1280

height: 720

fps: 5

review:

alerts:

labels:

- person

required_zones:

- cam_5_person

detections:

labels:

- person

required_zones:

- cam_5_person

live:

streams:

Stream 1: cam_5_1

Stream 2: cam_5_2

notifications:


```
    enabled: true
zones:
  cam_5_person:
    coordinates: 0.534,0.116,0.517,0.991,0.332,0.998,0.491,0.113
    loitering_time: 0
    objects: person
```

```
objects:
  mask: 0.004,0.005,0.006,0.997,0.315,0.994,0.491,0.023
```

```
cam_6:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
```

```
    roles:
      - record
      - audio
    - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
    roles:
      - detect
```

```
detect:
  enabled: true
  width: 1280
  height: 720
  fps: 5
```

```
review:
  alerts:
    labels:
      - person
    required_zones:
      - cam_6_person
```

```
detections:
  labels:
    - person
```

```
    required_zones:
      - cam_6_person
live:
  streams:
    Stream 1: cam_6_1
    Stream 2: cam_6_2
  notifications:
    enabled: true
  zones:
    cam_6_person:
      coordinates: 0.225,0.198,0.279,0.593,0.346,0.998,0.489,1,0.253,0.166
      loitering_time: 0
      objects: person
  objects:
    mask:
      - 0.267,0.008,0.264,0.157,0.505,0.997,0.99,0.986,0.991,0.011
      - 0.003,0.008,0.007,0.994,0.31,0.991,0.194,0.017
```

```
cam_7:
  enabled: true
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam_7_1
        input_args: preset-rtsp-restream
        roles:
          - record
          - audio
      - path:
```

```
rtsp://admin:Stell3DeternetArea1()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=0nvif
```

```
    roles:
      - detect
  detect:
    enabled: true
    width: 1280
    height: 720
    fps: 5
  review:
    alerts:
```

```
  labels:
    - person
  required_zones:
    - cam_7_person
detections:
  labels:
    - person
  required_zones:
    - cam_7_person
live:
  streams:
    Stream 1: cam_7_1
    Stream 2: cam_7_2
notifications:
  enabled: true
zones:
  cam_7_person:
    coordinates: 0.519,0.071,0.603,0.991,0.806,0.991,0.595,0.027
    loitering_time: 0
    objects: person
objects:
  mask:
    - 0.005,0.015,0.009,0.986,0.436,0.991,0.457,0.015
    - 0.614,0.014,0.835,0.992,0.996,0.988,0.997,0.009
```

```
cam_8:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
  roles:
    - record
    - audio
  - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
    roles:
      - detect
detect:
  enabled: true
  width: 1280
  height: 720
  fps: 5
review:
  alerts:
    labels:
      - person
    required_zones:
      - cam_8_person
  detections:
    labels:
      - person
    required_zones:
      - cam_8_person
live:
  streams:
    Stream 1: cam_8_1
    Stream 2: cam_8_2
notifications:
  enabled: true
zones:
  cam_8_person:
    coordinates:
      0.287,0.585,0.092,0.753,0.126,0.887,0.19,1,0.356,0.931,0.477,0.694
    loitering_time: 0
    objects: person
cam_9:
  enabled: true
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam_9_1
        input_args: preset-rtsp-restream
        roles:
          - record
          - audio
```

- path:

rtsp://admin:Stell3DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=1

roles:

- detect

detect:

enabled: true

width: 1280

height: 720

fps: 5

review:

alerts:

labels:

- person

required_zones:

- cam_9_person

detections:

labels:

- person

required_zones:

- cam_9_person

live:

streams:

Stream 1: cam_9_1

Stream 2: cam_9_2

notifications:

enabled: true

zones:

cam_9_person:

coordinates: 0.362,0.184,0.703,0.52,0.554,0.971,0.365,0.973,0.128,0.588

loitering_time: 0

objects: person

version: 0.17-0

go2rtc:

streams:

cam_1_1:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=0nvif

```
cam_1_2:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
cam_2_1:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
cam_2_2:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
cam_3_1:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
cam_3_2:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
cam_4_1:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
cam_4_2:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
cam_5_1:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
cam_5_2:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
cam_6_1:
-
rtsp://admin:Stel13DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=0&un
```

icast=true&proto=0nvif

cam_6_2:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=1&un

icast=true&proto=0nvif

cam_7_1:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=0&un

icast=true&proto=0nvif

cam_7_2:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=1&un

icast=true&proto=0nvif

cam_8_1:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=0&un

icast=true&proto=0nvif

cam_8_2:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=1&un

icast=true&proto=0nvif

cam_9_1:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=0&un

icast=true&proto=0nvif

cam_9_2:

-

rtsp://admin:Stell3DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=1&un

icast=true&proto=0nvif

notifications:

enabled: true

email: dp@p2pnode.org

Snapshot

Alerts

Detections

Recording

```
objects:
  track:
    #- person
    #- car
  filters:
    person:
      min_score: .60
      threshold: .65
    car:
      min_score: .60
      threshold: .65
```

Compose file

```
services:
  frigate:
    mem_limit: 5g
    container_name: frigate
    privileged: true # this may not be necessary for all setups
    restart: unless-stopped
    stop_grace_period: 30s # allow enough time to shut down the various services
    image: ghcr.io/blakeblackshear/frigate:stable
    shm_size: "1000mb" # update for your cameras based on calculation above
    devices:
```



```
# - /dev/bus/usb:/dev/bus/usb # Passes the USB Coral, needs to be modified for other
versions
# - /dev/apex_0:/dev/apex_0 # Passes a PCIe Coral, follow driver instructions here
https://coral.ai/docs/m2/get-started/#2a-on-linux
# - /dev/video11:/dev/video11 # For Raspberry Pi 4B
# - /dev/dri/card0:/dev/dri/card0 # For intel hwaccel, needs to be updated for your
hardware
    - /dev/dri/renderD128:/dev/dri/renderD128 # For intel hwaccel, needs to be updated
for your hardware
volumes:
    - ./etc/localtime:/etc/localtime:ro
    - ./config:/config
    - ./media:/media/frigate
    - type: tmpfs # Optional: 1GB of memory, reduces SSD/SD Card wear
      target: /tmp/cache
      tmpfs:
        size: 1000000000
ports:
    - 8971:8971
    - 8080:8080
    - 5000:5000 # Internal unauthenticated access. Expose carefully.
    - 8554:8554 # RTSP feeds
    - 8555:8555/tcp # WebRTC over tcp
    - 8555:8555/udp # WebRTC over udp
environment:
    FRIGATE_RTSP_PASSWORD: "Stel137&QpPlqB"
mqtt:
    mem_limit: 1g
    image: eclipse-mosquitto:latest
    container_name: mqtt
    restart: unless-stopped
volumes:
    - ./mosquitto/config:/mosquitto/config
    - ./mosquitto/data:/mosquitto/data
    - ./mosquitto/log:/mosquitto/log
ports:
    - 1883:1883
```

```
# With 1280x720 detect resolution
```

```
mqtt:
```

```
  host: mqtt # The hostname of mqtt in the docker compose file
```

```
  topic_prefix: frigate
```

```
  enabled: true
```

```
# _____Detection_____
```

```
#ffmpeg: #If you use an AMD CPU for detection then leave this whole section uncommented
```

```
#  hwaccel_args: preset-vaapi
```

```
#  output_args:
```

```
#    record: preset-record-generic-audi-aac
```

```
#detectors:
```

```
#  ov_0:
```

```
#    type: openvino
```

```
#    device: CPU
```

```
#  ov_1:
```

```
#    type: openvino
```

```
#    device: CPU
```

```
#  ov_2:
```

```
#    type: openvino
```

```
#    device: CPU
```

```
#logger:
```

```
#  default: info
```

```
#  logs:
```

```
#    frigate.video: debug # Enable FFmpeg debug logs
```

```
#ffmpeg:
```

```
#  input_args:
```

```
#    - hwaccel
```

```
#    - vaapi
```

```
#    - rtsp_transport
```

```
#    - tcp
```

```
#
```

```
# -----Timezone -----
```

```
# This makes sure that Frigate always uses the local time and does not switch to another
# Timezone when it is viewed remotely.
```

```
ui:
```

```
    timezone: Europe/Berlin
```

```
# -----Tracked Objects -----
```

```
objects:
```

```
    track:
```

- person
- car

```
    filters:
```

```
        person:
```

```
            min_score: .60
            threshold: .65
```

```
        car:
```

```
            min_score: .60
            threshold: .65
```

```
detect:
```

```
    enabled: true
```

```
go2rtc:
```

```
    streams:
```

```
        cam1:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.101/cam/realmonitor?channel=1&subtype=0

```
        cam1_sub:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.101/cam/realmonitor?channel=1&subtype=1

```
        cam2:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.102/cam/realmonitor?channel=1&subtype=0

```
        cam2_sub:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.102/cam/realmonitor?channel=1&subtype=1

```
        cam3:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.103/cam/realmonitor?channel=1&subtype=0

```
        cam3_sub:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.103/cam/realmonitor?channel=1&subtype=1

```
        cam4:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.104/cam/realmonitor?channel=1&subtype=0

```
        cam4_sub:
```

- rtsp://admin:Stel13DeternetArea1()@10.131.2.104/cam/realmonitor?channel=1&subtype=1

```
cam5:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.105/cam/realmonitor?channel=1&subtype=0
cam5_sub:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.105/cam/realmonitor?channel=1&subtype=1
cam6:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.106/cam/realmonitor?channel=1&subtype=0
cam6_sub:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.106/cam/realmonitor?channel=1&subtype=1
cam7:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.107/cam/realmonitor?channel=1&subtype=0
cam7_sub:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.107/cam/realmonitor?channel=1&subtype=1
cam8:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.108/cam/realmonitor?channel=1&subtype=0
cam8_sub:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.108/cam/realmonitor?channel=1&subtype=1
cam9:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.109/cam/realmonitor?channel=1&subtype=0
cam9_sub:
  - rtsp://admin:Stel13DeternetArea1()@10.131.2.109/cam/realmonitor?channel=1&subtype=1
```

cameras:

-----CAM 1 -----

```
cam1:
  review:
    alerts:
      required_zones: cam1_parking_lot
    detections:
      required_zones: cam1_parking_lot
  lpr:
    enabled: false
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam1_sub
        input_args: preset-rtsp-restream
        roles:
          - detect
      - path: rtsp://127.0.0.1:8554/cam1
        input_args: preset-rtsp-restream
```

```
    roles:
      - record
  output_args:
    record: preset-record-generic-audio-aac
detect:
  width: 1280
  height: 720
  fps: 5
objects:
  track:
    - person
    - car
  filters:
    person:
      mask: 0,1,0.117,1,0.236,0.86,0.649,0.13,0.719,0,0.625,0,0,0
snapshots:
  required_zones:
    - cam1_parking_lot
  enabled: true
  timestamp: true
  bounding_box: true
  crop: true
  height: 500
  retain:
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
detections:
  retain:
    days: 14
    pre_capture: 15
    post_capture: 15
continuous:
  retain:
    days: 14
```

```
motion:
  days: 0
notifications:
  enabled: true
```

```
zones:
  cam1_parking_lot:
    coordinates:
```

```
0.235,0.881,0.129,1,0.487,1,0.678,0.997,0.741,0.47,0.747,0.207,0.752,0,0.733,0,0.715,0.026,0.4
95,0.423,0.485,0.437
```

```
    inertia: 3
    loitering_time: 0
```

```
motion:
  mask:
    0.742,0,0.745,0.204,0.741,0.46,0.718,0.719,0.678,0.998,0.996,0.998,0.994,0.003
```

```
# -----CAM 2 -----
```

```
cam2:
  review:
    alerts:
      required_zones: cam2_person
    detections:
      required_zones: cam2_person
  lpr:
    enabled: false
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam2_sub
        input_args: preset-rtsp-restream
        roles:
          - detect
      - path: rtsp://127.0.0.1:8554/cam2
        input_args: preset-rtsp-restream
        roles:
          - record
    output_args:
      record: preset-record-generic-audio-aac
  detect:
```

```
width: 1280
height: 720
fps: 5
objects:
  track:
    - person
  filters:
    person:
      min_area: 2000
      max_area: 90000
  mask: 0,0,0,1,0.373,1,0.56,0
snapshots:
  required_zones:
    - cam2_person
  enabled: true
  timestamp: true
  bounding_box: true
  crop: true
  height: 500
  retain:
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  detections:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  continuous:
    days: 14
  motion:
    days: 0
notifications:
  enabled: true
```

```
zones:
  cam2_person:
    coordinates: 0.808,1,0.374,1,0.56,0,0.58,0
    inertia: 3
    loitering_time: 0
    objects: person
motion:
  mask: 0.584,0,0.812,0.998,0.995,0.995,1,0
```

```
# -----CAM 3 -----
```

```
cam3:
  review:
    alerts:
      required_zones: cam3_person
    detections:
      required_zones: cam3_person
  lpr:
    enabled: false
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam3_sub
        input_args: preset-rtsp-restream
        roles:
          - detect
      - path: rtsp://127.0.0.1:8554/cam3
        input_args: preset-rtsp-restream
        roles:
          - record
    output_args:
      record: preset-record-generic-audio-aac
  detect:
    width: 1280
    height: 720
    fps: 5
  objects:
    track:
      - person
    mask: 0.539,0.003,0.732,1,0.996,0.995,0.996,0.008
  snapshots:
```



```
required_zones:
  - cam3_person
enabled: true
timestamp: true
bounding_box: true
crop: true
height: 500
retain:
  default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  detections:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  continuous:
    days: 14
  motion:
    days: 0
notifications:
  enabled: true

zones:
  cam3_person:
    coordinates: 0.442,0,0.243,0.992,0.723,1,0.535,0.003
    inertia: 3
    loitering_time: 0
    objects: person
motion:
  mask:
    - 0.627,0.032,0.631,0.079,0.971,0.077,0.972,0.034
    - 0.002,0.003,0.007,0.994,0.238,0.99,0.44,0.003
```

```
cam4:
  review:
    alerts:
      required_zones: cam4_person
    detections:
      required_zones: cam4_person
  lpr:
    enabled: false
  ffmpeg:
    inputs:
      - path: rtsp://127.0.0.1:8554/cam4_sub
        input_args: preset-rtsp-restream
        roles:
          - detect
      - path: rtsp://127.0.0.1:8554/cam4
        input_args: preset-rtsp-restream
        roles:
          - record
    output_args:
      record: preset-record-generic-audio-aac
  detect:
    width: 1280
    height: 720
    fps: 5
  objects:
    track:
      - person
    mask:
      - 0.67,1,0.996,0.992,0.997,0.006,0.302,0.001,0.366,0.538,0.52,0.496,0.575,0.468
      - 0.003,0.002,0,0.978,0.039,0.537,0.295,0.014
  snapshots:
    required_zones:
      - cam4_person
    enabled: true
    timestamp: true
    bounding_box: true
    crop: true
    height: 500
    retain:
```

```
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  detections:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  continuous:
    days: 14
  motion:
    days: 0
notifications:
  enabled: true

zones:
  cam4_person:
    coordinates:
      0.045,0.541,0,0.998,0.664,1,0.572,0.493,0.501,0.513,0.364,0.545,0.299,0.016
    inertia: 3
    loitering_time: 0
    objects: person
motion: {}
```

-----CAM 5 -----

```
cam5:
  review:
    alerts:
      required_zones: cam5_person
    detections:
      required_zones: cam5_person
  lpr:
    enabled: false
  ffmpeg:
```

```
inputs:
  - path: rtsp://127.0.0.1:8554/cam5_sub
    input_args: preset-rtsp-restream
    roles:
      - detect
  - path: rtsp://127.0.0.1:8554/cam5
    input_args: preset-rtsp-restream
    roles:
      - record
output_args:
  record: preset-record-generic-audio-aac
detect:
  width: 1280
  height: 720
  fps: 5
objects:
  track:
    - person
  mask: 0,0,0,1,0.179,1,0.511,0
snapshots:
  required_zones:
    - cam5_person
  enabled: true
  timestamp: true
  bounding_box: true
  crop: true
  height: 500
  retain:
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
detections:
  retain:
    days: 14
  pre_capture: 15
```

```
    post_capture: 15
continuous:
    days: 14
motion:
    days: 0
notifications:
    enabled: true

zones:
    cam5_person:
        coordinates:
            0.521,0,0.456,0.185,0.383,0.42,0.308,0.639,0.193,1,0.811,0.997,0.568,0.005
        inertia: 3
        loitering_time: 0
        objects: person
motion:
    mask: 0.566,0,0.816,0.998,0.999,0.995,0.998,0.005
```

```
# -----CAM 6 -----
```

```
cam6:
    review:
        alerts:
            required_zones: cam6_person
        detections:
            required_zones: cam6_person
lpr:
    enabled: false
ffmpeg:
    inputs:
        - path: rtsp://127.0.0.1:8554/cam6_sub
          input_args: preset-rtsp-restream
          roles:
            - detect
        - path: rtsp://127.0.0.1:8554/cam6
          input_args: preset-rtsp-restream
          roles:
            - record
    output_args:
        record: preset-record-generic-audio-aac
```

```
detect:
  width: 1280
  height: 720
  fps: 5
objects:
  track:
    - person
  filters:
    person:
      min_area: 3000
      max_area: 90000
  mask:
    1,1,1,0,0.216,0,0.235,0.231,0.271,0.22,0.298,0.21,0.312,0.249,0.554,1
snapshots:
  required_zones:
    - cam6_person
  enabled: true
  timestamp: true
  bounding_box: true
  crop: true
  height: 500
  retain:
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  detections:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  continuous:
    days: 14
  motion:
    days: 0
notifications:
```

enabled: true

zones:

cam6_person:

coordinates:

0.215,0.016,0.131,0.333,0.075,1,0.543,0.988,0.296,0.222,0.232,0.245

inertia: 3

loitering_time: 0

objects: person

motion:

mask: 0.002,0.003,0.005,0.997,0.069,0.997,0.128,0.321,0.212,0.002

-----CAM 7 -----

cam7:

review:

alerts:

required_zones: cam7_person

detections:

required_zones: cam7_person

lpr:

enabled: false

ffmpeg:

inputs:

- path: rtsp://127.0.0.1:8554/cam7_sub

input_args: preset-rtsp-restream

roles:

- detect

- path: rtsp://127.0.0.1:8554/cam7

input_args: preset-rtsp-restream

roles:

- record

output_args:

record: preset-record-generic-audio-aac

detect:

width: 1280

height: 720

fps: 5

objects:

track:

- person

mask: 0.616,0.003,0.756,0.445,0.866,0.99,0.994,0.997,0.996,0.006

snapshots:

required_zones:

- cam7_person

enabled: true

timestamp: true

bounding_box: true

crop: true

height: 500

retain:

default: 14

record:

enabled: true

alerts:

retain:

days: 14

pre_capture: 15

post_capture: 15

detections:

retain:

days: 14

pre_capture: 15

post_capture: 15

continuous:

days: 14

motion:

days: 0

notifications:

enabled: true

zones:

cam7_person:

coordinates:

0.404,0,0.308,1,0.861,0.994,0.815,0.742,0.739,0.408,0.611,0.002

inertia: 3

loitering_time: 0

objects: person

motion:

mask:

- 0.001,0.003,0.004,0.992,0.303,0.997,0.398,0.005
- 0.629,0.03,0.633,0.074,0.97,0.079,0.971,0.032

-----CAM 8 -----

cam8:

review:

alerts:

required_zones: cam8_person

detections:

required_zones: cam8_person

lpr:

enabled: false

ffmpeg:

inputs:

- path: rtsp://127.0.0.1:8554/cam8_sub

input_args: preset-rtsp-restream

roles:

- detect

- path: rtsp://127.0.0.1:8554/cam8

input_args: preset-rtsp-restream

roles:

- record

output_args:

record: preset-record-generic-audio-aac

detect:

width: 1280

height: 720

fps: 5

objects:

track:

- person

filters:

person:

min_area: 5000

max_area: 90000

mask:

0.279,0.01,0.342,0.604,0.67,0.801,0.634,0.944,0.62,0.997,0.996,0.995,0.995,0.003

snapshots:

required_zones:

```
- cam8_person
enabled: true
timestamp: true
bounding_box: true
crop: true
height: 500
retain:
  default: 14
```

```
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  detections:
    retain:
      days: 14
    pre_capture: 15
    post_capture: 15
  continuous:
    days: 14
  motion:
    days: 0
notifications:
  enabled: true
```

```
zones:
  cam8_person:
    coordinates: 0.042,0.612,0.174,0.99,0.62,0.997,0.671,0.798,0.155,0.499
    inertia: 3
    loitering_time: 0
    objects: person
  motion:
    mask: 0.629,0.027,0.634,0.08,0.972,0.08,0.972,0.03
```

```
# -----CAM 9 -----
```

```
cam9:
  lpr:
```

```
enabled: false
ffmpeg:
  inputs:
    - path: rtsp://127.0.0.1:8554/cam9_sub
      input_args: preset-rtsp-restream
      roles:
        - detect
    - path: rtsp://127.0.0.1:8554/cam9
      input_args: preset-rtsp-restream
      roles:
        - record
  output_args:
    record: preset-record-generic-audio-aac
detect:
  width: 1280
  height: 720
  fps: 5
objects:
  track:
    - person
  filters:
    person:
      min_area: 5000
      max_area: 90000
snapshots:
  required_zones:
    - cam9_person
  enabled: true
  timestamp: true
  bounding_box: true
  crop: true
  height: 500
  retain:
    default: 14
record:
  enabled: true
  alerts:
    retain:
      days: 14
    pre_capture: 15
```

```
    post_capture: 15
detections:
  retain:
    days: 14
  pre_capture: 15
  post_capture: 15
continuous:
  days: 14
motion:
  days: 0
notifications:
  enabled: true

motion:
  mask: 0.627,0.032,0.628,0.079,0.971,0.082,0.974,0.032
zones:
  cam9_person:
    coordinates:
      0.123,0.587,0.374,1,0.562,1,0.824,0.018,0.488,0.01,0.324,0.253
    loitering_time: 0
    objects: person
version: 0.17-0

semantic_search:
  enabled: true
  model_size: small
face_recognition:
  enabled: false
  model_size: small
lpr:
  enabled: false
classification:
  bird:
    enabled: false
notifications:
  enabled: true
  email: dp@p2pnode.org
```

New Config

```
mqtt:
  enabled: true

semantic_search:
  enabled: true
  reindex: false

objects:
  track:
    - person
    - car
  filters:
    person:
      min_score: .60
      threshold: .65
    car:
      min_score: .60
      threshold: .65

cameras:      # No cameras defined, UI wizard should be used
  cam_1:
    enabled: true
    ffmpeg:
      inputs:
        - path:

rtsp://admin:Stel13DeternetAreal()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
      roles:
        - record
        - audio
        - path:

rtsp://admin:Stel13DeternetAreal()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
    roles:
      - detect
detect:
  width: 1280
  height: 720
record:
  enabled: true
  continuous:
    days: 14
live:
  streams:
    Stream 1: cam_1_1
    Stream 2: cam_1_2
notifications:
  enabled: true
zones:
  cam_1_person:
    coordinates:
      0.596,0.09,0.523,0.089,0,0.549,0,1,0.111,1,0.607,0.985,0.652,0.097
    inertia: 3
    loitering_time: 0
    objects: person
```

```
cam_2:
  enabled: true
ffmpeg:
  inputs:
    - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=0nvif
```

```
    roles:
      - record
      - audio
    - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=0nvif
```

```
    roles:
      - detect
```

```
detect:
  width: 1280
  height: 720
record:
  enabled: true
  continuous:
    days: 14
live:
  streams:
    Stream 1: cam_2_1
    Stream 2: cam_2_2
notifications:
  enabled: true
zones:
  cam_2_person:
    coordinates: 0.483,0.265,0.35,0.998,0.754,0.992,0.582,0.009
    loitering_time: 0
    objects: person
```

```
cam_3:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetAreal()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
  roles:
    - record
    - audio
  - path:
```

```
rtsp://admin:Stel13DeternetAreal()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
  roles:
    - detect
```

```
detect:
  width: 1280
  height: 720
live:
```

streams:

Stream 1: cam_3_1

Stream 2: cam_3_2

zones:

cam_3_person:

coordinates: 0.497,0.106,0.59,0.991,0.462,0.992,0.45,0.13

loitering_time: 0

objects: person

cam_4:

enabled: true

ffmpeg:

inputs:

- path:

rtsp://admin:Stel13DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif

roles:

- record

- audio

- path:

rtsp://admin:Stel13DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

roles:

- detect

detect:

width: 1280

height: 720

record:

enabled: true

continuous:

days: 14

live:

streams:

Stream 1: cam_4_1

Stream 2: cam_4_2

notifications:

enabled: true

zones:


```
cam_4_person:
  coordinates: 0.593,0.465,0.712,0.994,0.366,0.997,0.374,0.466
  loitering_time: 0
  objects: person
```

```
cam_5:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stell3DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=0nvif
  roles:
    - record
    - audio
    - path:
```

```
rtsp://admin:Stell3DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=0nvif
  roles:
    - detect
```

```
detect:
  width: 1280
  height: 720
```

```
record:
  enabled: true
  continuous:
    days: 14
```

```
live:
  streams:
    Stream 1: cam_5_1
    Stream 2: cam_5_2
```

```
notifications:
  enabled: true
```

```
zones:
  cam_5_person:
    coordinates: 0.534,0.116,0.517,0.991,0.332,0.998,0.491,0.113
    loitering_time: 0
    objects: person
```

```
cam_6:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
```

```
    roles:
      - record
      - audio
    - path:
```

```
rtsp://admin:Stel13DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
    roles:
      - detect
```

```
detect:
  width: 1280
  height: 720
```

```
record:
  enabled: true
  continuous:
    days: 14
```

```
live:
  streams:
    Stream 1: cam_6_1
    Stream 2: cam_6_2
```

```
notifications:
  enabled: true
```

```
zones:
  cam_6_person:
    coordinates: 0.225,0.198,0.279,0.593,0.346,0.998,0.489,1,0.253,0.166
    loitering_time: 0
    objects: person
```

```
cam_7:
  enabled: true
  ffmpeg:
    inputs:
```

```
- path: rtsp://127.0.0.1:8554/cam_7_1
  input_args: preset-rtsp-restream
  roles:
    - record
    - audio
- path:
```

```
rtsp://admin:Stel13DeternetAreal()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=1&un
icast=true&proto=0nvif
```

```
  roles:
    - detect
detect:
  width: 1280
  height: 720
record:
  enabled: true
  continuous:
    days: 14
live:
  streams:
    Stream 1: cam_7_1
    Stream 2: cam_7_2
notifications:
  enabled: true
zones:
  cam_7_person:
    coordinates: 0.519,0.071,0.603,0.991,0.806,0.991,0.595,0.027
    loitering_time: 0
    objects: person
cam_8:
  enabled: true
  ffmpeg:
    inputs:
      - path:
```

```
rtsp://admin:Stel13DeternetAreal()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=0&un
icast=true&proto=0nvif
```

```
  roles:
    - record
```

- audio
- path:

rtsp://admin:Stell3DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

roles:

- detect

detect:

width: 1280

height: 720

record:

enabled: true

continuous:

days: 14

live:

streams:

Stream 1: cam_8_1

Stream 2: cam_8_2

notifications:

enabled: true

zones:

cam_8_person:

coordinates:

0.287,0.585,0.092,0.753,0.126,0.887,0.19,1,0.356,0.931,0.477,0.694

loitering_time: 0

objects: person

cam_9:

enabled: true

ffmpeg:

inputs:

- path: rtsp://127.0.0.1:8554/cam_9_1

input_args: preset-rtsp-restream

roles:

- record
- audio
- path:

rtsp://admin:Stell3DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=1

roles:

```
        - detect
detect:
  width: 1280
  height: 720
record:
  enabled: true
  continuous:
    days: 14
live:
  streams:
    Stream 1: cam_9_1
    Stream 2: cam_9_2
notifications:
  enabled: true
zones:
  cam_9_person:
    coordinates: 0.362,0.184,0.703,0.52,0.554,0.971,0.365,0.973,0.128,0.588
    loitering_time: 0
    objects: person
version: 0.17-0
go2rtc:
  streams:
    cam_1_1:
      -
rtsp://admin:Stel13DeternetArea1()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=0nvif
    cam_1_2:
      -
rtsp://admin:Stel13DeternetArea1()@10.131.2.101:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=0nvif
    cam_2_1:
      -
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=0nvif
    cam_2_2:
      -
rtsp://admin:Stel13DeternetArea1()@10.131.2.102:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=0nvif
    cam_3_1:
```

-
rtsp://admin:Stell3DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif
cam_3_2:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.103:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif
cam_4_1:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif
cam_4_2:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.104:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif
cam_5_1:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif
cam_5_2:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.105:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif
cam_6_1:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif
cam_6_2:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.106:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif
cam_7_1:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif
cam_7_2:
-
rtsp://admin:Stell3DeternetArea1()@10.131.2.107:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

cam_8_1:

-

rtsp://admin:Stel13DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif

cam_8_2:

-

rtsp://admin:Stel13DeternetArea1()@10.131.2.108:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

cam_9_1:

-

rtsp://admin:Stel13DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif

cam_9_2:

-

rtsp://admin:Stel13DeternetArea1()@10.131.2.109:554/cam/realmonitor?channel=1&subtype=1&unicast=true&proto=Onvif

notifications:

enabled: true

email: dp@p2pnode.org

02. Configure Cameras

Camera Network

The first thing to be made sure of is to create a dedicated network for your camera system. This can either be dedicated or VLAN based. In this way you can separate Camera traffic from other traffic and if your camera network gets breached then all other services will not be affected. Depending on your network setup you can either define this VLAN directly on an L3 switch or if you use the router on a stick model on your router. Hence, make sure all cameras are on the same CAM network.

Initial Camera Setup

Now, by default your cameras are not yet living on the camera network VLAN that we just created. Now, for each brand and camera it is different but it basically boils down to this.

1. Make sure you have a laptop with an ethernet port
2. Look up on the internet how you can reset your particular camera to its default settings.
3. This will most likely also tell you what the default IP address is that particular camera e.g Amcrest cameras live on 192.168.1.108.
4. If you know that then you also know on which network it lives.
5. Next, we need to set our laptop to the same default network as the camera.
6. Then we can simply access the camera by typing in the address of the camera in our favourite webbrowser.
7. Then again depending on your camera, go to the networking page to give your camera a static IP address on the Camera Network.
8. Note! Once you change the ip address of the camera then you can only keep accessing it if you bring your laptop on that network as well.
9. After you have done that you can stick the IP camera in an untagged CAM Network port on your PoE switch.
10. If you can then connect to it with your laptop by connected it as well to the same switch then you know it works!
11. Repeat this process until you brought all the cameras on the camera network.

Streams

Next up are the camera stream possibilities of your camera. Most cameras come at least with two camera streams. These streams are basically recording the same thing but on different resolution scales. For instance, for your recordings you would love to have the highest resolution possible, however for your object and sound detection you don't need that. This can greatly reduce the stress on your resources and hence provide a much smoother experience, especially on systems that are not so well resourced.

Other that we also need to know or set the resolution of all of the cameras. The reason being is that these resolutions should be the same as in our Frigate configuration file later on. It is all up to you and the resources but some common resolutions would be

1. 640x480 (VGA) for substream (The higher the stream the more stress will be put on your resources)
2. Highest resolution for main stream (e.g 1920x1080 or 2960x1668)

Make sure you write these numbers down and have set them all the same for all your cameras.

NTP Time Server

An NTP server (Network Time Protocol server) is a server that provides accurate time information to clients over the Internet, allowing them to synchronize their clocks to Coordinated Universal Time (UTC) with high precision. NTP servers can maintain time accuracy within a few milliseconds over local networks and tens of milliseconds over the public Internet.

Now why would you want this ? Well you want that each camera in your system displays the same time i.e that all clocks are synchronized. They even synchronize with summer and winter times ;) This is a must have instead of cameras showing different times.

Now, which NTP servers to use then ? Well I would recommend to use the NTP servers from the [NTP Pool Project](https://www.pool.ntp.org/). The pool.ntp.org project is a big virtual cluster of timeservers providing reliable, [easy to use](https://www.pool.ntp.org/) NTP service for millions of clients. You could click on your continent region and then use any of the time servers they provide. For instance clicking on Europe you get the following addresses

```
server 0.europe.pool.ntp.org
server 1.europe.pool.ntp.org
server 2.europe.pool.ntp.org
server 3.europe.pool.ntp.org
```

You can use any of these 4 and implement them as the NTP server for each camera. Make sure to use the same s.t they all use the same time servers and are synchronized.

Viewing Preferences

Now, depending on the camera you have obtained they all have different possibilities. It is now then time to go to the cameras and tweak it to your liking. For instance, if you prefer night vision with colour on your camera's then you can set that setting for your camera. I would highly recommend to do this ;)

01. Hardware Pass Through

To make frigate operate smoothly and effectively a GPU or XXX should be used for hardware acceleration. Otherwise all the image recognition and playback needs to be handled by the CPU which is really heavy. If you don't do this and you have a bunch of cameras then it can easily consume 8 cpu cores if not more. Hence, get a GPU or Google XXX device.

1. Inside of the BIOS of your system go to

Tutorial on Hardware Acceleration for Frigate: <https://www.youtube.com/watch?v=SeHgslwyOuY>

1. Then Resizable BAR needs to be turned on in the BIOS of your system if it's available.

2. Then go int

3. Mount NFS Share

04. Mount NFS Share to Linux VM

1. Create dataset
2. Data space management -> set it to x TiB
3. Shares -> Unix -> Add

!!!! Mount should happen at root !!!!!

Now, that we have created an NFS share it is time to share it with another machine virtual or bare metal. In this case we will install inside a linux VM

To test if a TrueNas NFS share can be mounted use the following command:

```
sudo mount -t nfs 10.131.1.10:/mnt/alexandria/frigate /home/dpasnfrigate/media
```

```
sudo mount -t nfs 10.131.1.10:/mnt/alexandria/frigate /home/dpasnfrigate/media
```

Keep NFS share Mounted on Reboots

Generally, you will want to mount the remote NFS directory automatically when the system boots.

The `/etc/fstab` file contains a list of entries that define where how and what filesystem will be mounted on system startup.

To automatically mount an NFS share when your Linux system starts up add a line to the `/etc/fstab` file. The line must include the hostname or the IP address of the NFS server, the exported directory, and the mount point on the local machine.

Use the following procedure to automatically mount an NFS share on Linux systems:

1. Set up a mount point for the remote NFS share:

```
sudo mkdir /frigate/media
```

```
sudo mkdir /frigate/media
```

2. Open the /etc/fstab file with your text editor :

```
sudo nano /etc/fstab
```

```
sudo nano /etc/fstab
```

3. Add the following line

```
10.131.2.10:/mnt/alexandria/frigate frigate/media nfs defaults 0 0
```

```
10.131.2.10:/mnt/alexandria/frigate frigate/media nfs defaults 0 0
```

4. it

5. Finally you need to update the new file with

```
systemctl daemon-reload
```

```
systemctl daemon-reload
```

6. Run the mount command in one of the following forms to mount the NFS share:

```
mount frigate/media
```

```
mount frigate/media
```

7. The mount command, will read the content of the /etc/fstab and mount the share.

8. Next time you reboot the system the NFS share will be mounted automatically.

admin

60ab1406fba90830c0126bbdcae06743d54a4f62d76f1e75

```
sudo apt install gnome-software-plugin-flatpak
```