Frigate on a VMware VM

Hardware and Config

As a POC, I have installed a Ubuntu VM at work - with:

- 4 CPUs
- 16 GB Ram
- 500 GB Data Disk

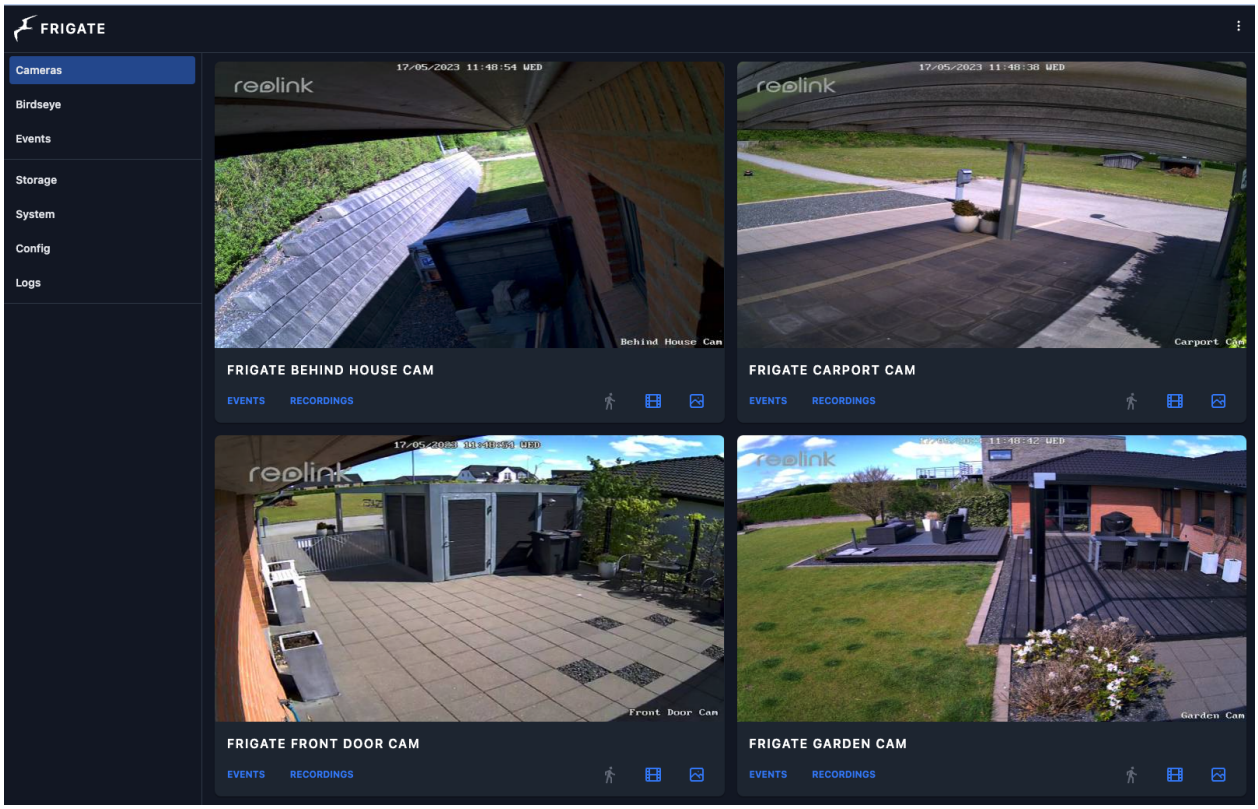
And Installed Frigate and MQTT on it via Docker.

My 4 Reolink Cams has their RTSP exposed via the Internet.

The Frigate config is for full (h264Preview_01_main) Stream, and setup for recording.

How it Looks

It looks like this:



How it feels

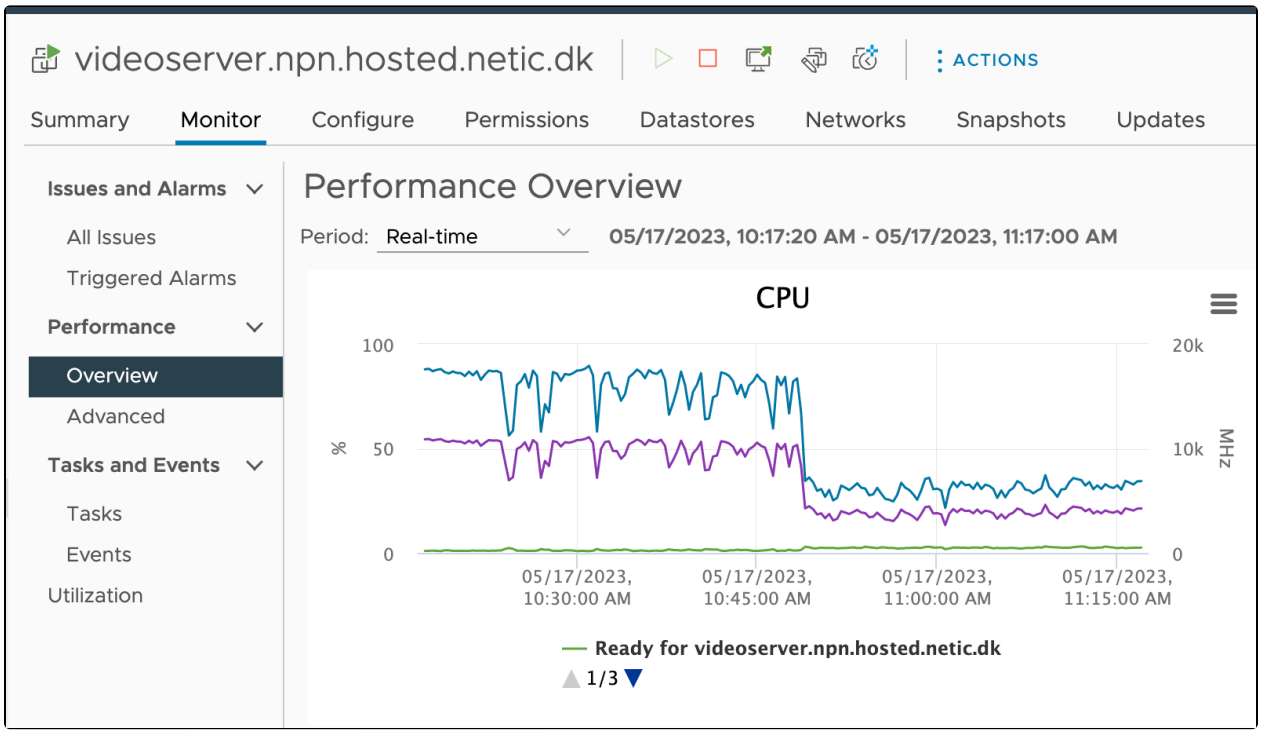
The Web UI seems pretty sluggish and slow, and the Live views are quite pixelated, way worse that looking at the cams in the Reolink App on my iPhone; where trees sway nicely on the iPhone view, on the Web Ui it lags and "stutter", and looking at the time, it sometimes skip a second.

Also, when using playback on the recordings, the stream lags with small stops.

Very disapointing.

Object Detection

The CPU load is pretty high with object detection on - this graph shows that I disable object detection for all 4 Cams:



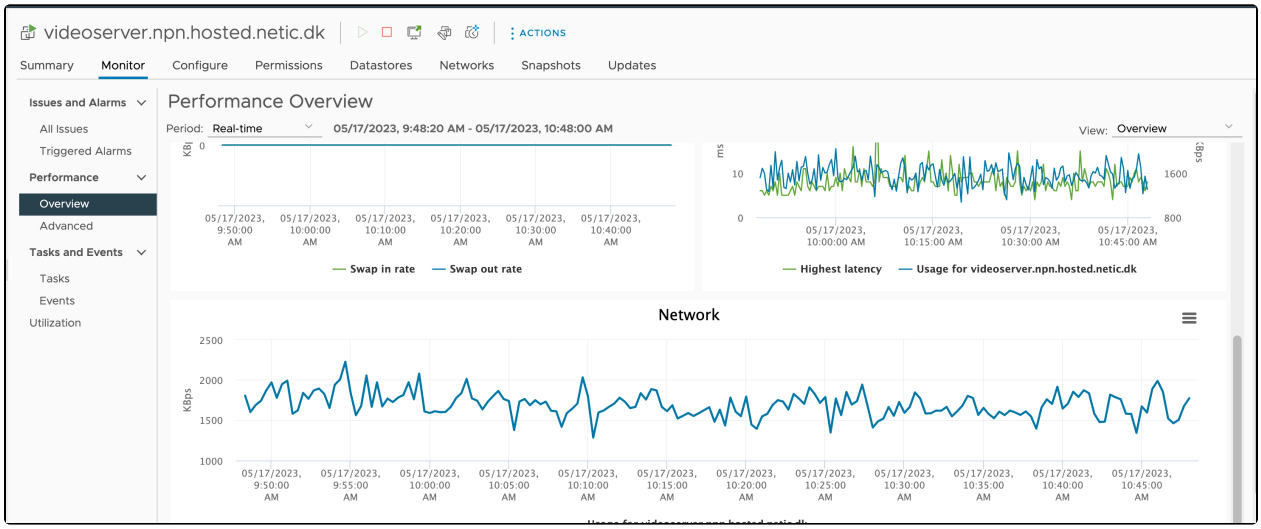
With object detection on all Cams, we are close to 100% CPU all the time.

Also looking at the "top" command, the 5m load goes from 1.5 to more than 5

This was to be expected, as we have no HW accelleration help for the VM.

Network

The network rate is pretty consistent



Memory usage

videoserver.npn.hosted.netic.dk
ACTIONS
Summary
Monitor
Configure
Permissions
Datastores
Networks
Snapshots
Updates
Issues and Alarms
All Issues
Triggered Alarms
Performance
Overview
Advanced
Tasks and Events
Tasks
Events
Utilization
Performance Overview
Period: Real-time
05/17/2023, 11:00:20 AM - 05/17/2023, 12:00:00 PM
View: Overview
CPU
100
50
0
%
20k
10k
0
MHz
05/17/2023, 11:00:00 AM
05/17/2023, 11:15:00 AM
05/17/2023, 11:30:00 AM
05/17/2023, 11:45:00 AM
05/17/2023, 12:00:00 PM
Ready for videoserver.npn.hosted.netic.dk
1/3
Memory
20M
10M
0
KB
100
50
0
%
Granted
2/8
Memory Rate
KBps
0
Disk
32
16
ms
4k
2k
KBps