



Nuvla.io Marketplace App Catalogue

Discover the apps available for deployment by Nuvla.io App Vendors

Date: December 20, 2023

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1. Introduction

Nuvla.io has currently over 1000 apps. The majority of these apps are private to Nuvla.io users. This document lists the apps that are *published* and maintained by app vendors and SixSq. This means an organisation is behind these apps, providing different levels of support.

SixSq does not currently provide any guarantees for these apps. We therefore ask you to carefully review the EULA (End User License Agreement) provided by the authors/vendors of these apps.

A growing number of these apps are also paying apps, thus providing a much better level of service, in exchange for a fee they define.

We hope you will find this catalogue useful to explore what is currently available on the Nuvla.io marketplace. If you do not find what you are looking for, please get in touch.

To new potential app vendors, if you are interested in registering your apps in the marketplace, please get in touch. We would love to hear about your great work and how we can help you generate business.

2. speedtest-plotter

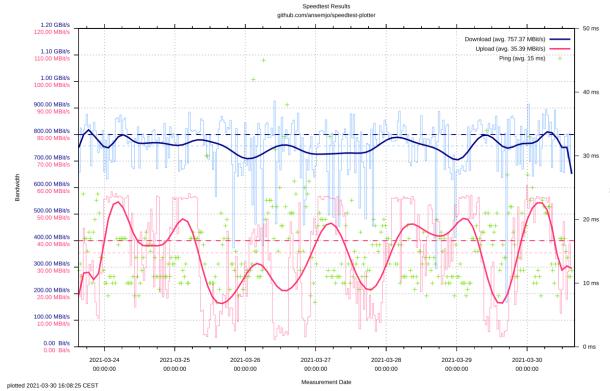


Figure 1: speedtest-plotter logo

This is a collection of scripts, which takes internet speedtest measurements against the speedtest.net network with taganaka/SpeedTest and plots them with gnuplot. A crontab schedule is used to automate measurements every couple of minutes and save them to a database. The results can be displayed through a simple Flask webserver.

Variables information: - you can find TimeZone choice @ https://en.wikipedia.org/wiki/List_of_tz_database_time_zones##List
- For the SpeedTest server use URL: <https://www.speedtest.net/api/js/servers?&limit=10&search=>

For all the details on this Docker: <https://github.com/ansemjo/speedtest-plotter>

Compatible with Ekinops FlexCPE

Vendor: User/2085b330-5b08-4885-9e2a-b45d2f05a40c

EULA: <https://sixsq.com>

Price: Free or available on demand

3. AI EdgeLabs sensors

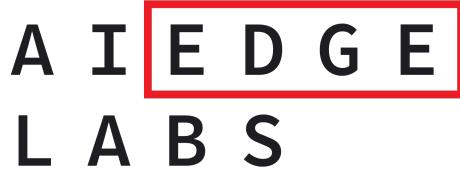


Figure 2: AI EdgeLabs sensors logo

AI EdgeLabs cyber security sensors

What is AI EdgeLabs? AI EdgeLabs is a powerful and autonomous cybersecurity AI platform that helps security teams respond immediately to ongoing attacks and protect Edge/IoT infrastructures against malware, DDoS, botnets, and other threats. AI EdgeLabs delivers cybersecurity measures by bringing network visibility, early threat detection, and automated incident response in the Edge and on-prem environments.

Sensor

How does the AI EdgeLabs Sensor work? The EdgeLabs Sensor is a proprietary network telemetry and monitoring agent that continuously analyzes and models network behavior of a particular Edge node. It holds an AI-powered model stack that continuously checks inbound and outbound connectivity via pre-trained AI models.

With EdgeLabs Sensor, infrastructure teams can locate hidden network threats and zero-day attacks that might cause business disruption. The sensor models normal and abnormal connectivity states and immediately reports them to Operation teams with cause and recommends remediation actions for the incidents.

During the first deployment, the EdgeLabs Sensor runs a configurable set of security checks and topology research to collect the initial context of the environment. Collected data is then analyzed by the EdgeLabs AI Platform™ (ELAP).

ELAP provides a set of AI-based models which are pre-trained in the existing knowledge base of threat patterns and attack signatures; this pre-training is always done centrally on ELAP. By running these collections from a fleet of well-distributed/placed EdgeLabs Sensors, the AI Security team can dramatically improve the precision with which they instrument, monitor, and maintain their application delivery infrastructure.

edgelabs.ai/platform

Vendor: Ai-edgelabs

EULA: <https://sixsq.com>

Price: 99.00 EUR / month

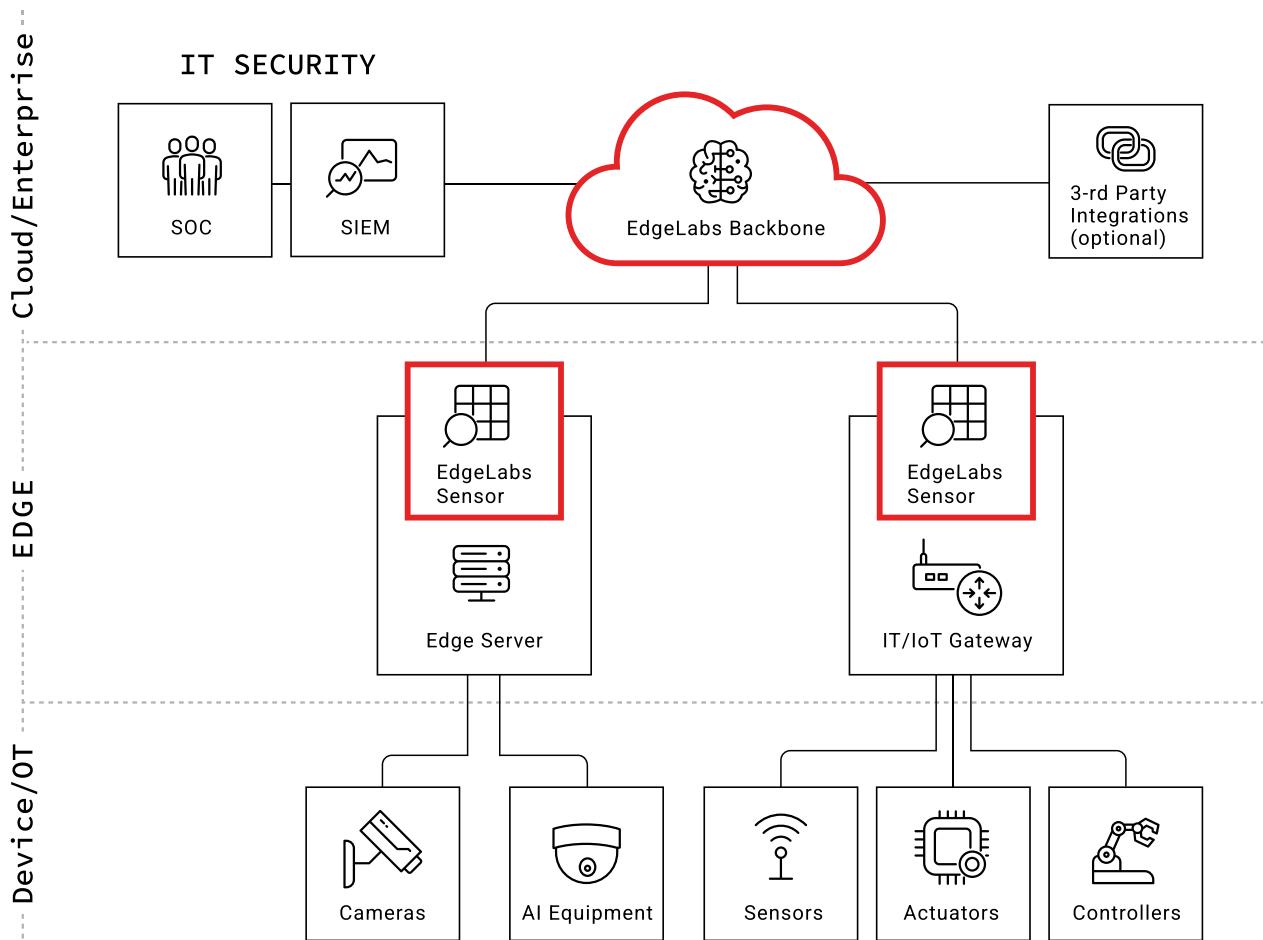


Figure 3: AI EdgeLabs

4. Apprise API



Figure 4: Apprise API logo

Apprise API - Unified Notification Service

Seamlessly integrate notifications across multiple platforms with Apprise API, the one-stop solution for all your alerting needs.

Apprise API offers a powerful, flexible way to send notifications through a wide range of services like email, Slack, Telegram, Pushover, and many others, all from a single, unified interface. Designed for efficiency and ease of use, it's the perfect tool for businesses and developers looking to streamline their notification systems.

Features:

- **Unified Notifications:** Send notifications to over 50 supported services through one interface.
- **Easy Integration:** Simple setup process that integrates smoothly with your existing systems.
- **Flexible Configuration:** Customize notifications for different services with ease.
- **Scalable:** Perfect for both small projects and large-scale enterprise applications.
- **Secure:** Designed with security in mind to protect sensitive information.
- **Multi-Language Support:** Works seamlessly with Python, providing a familiar environment for developers.

Use Cases:

- **System Monitoring:** Instantly notify team members of system outages or performance issues.
- **Customer Engagement:** Send promotional emails or instant messages to clients.
- **Alerts and Reminders:** Automate alerting for scheduled tasks or deadlines.
- **IoT Notifications:** Ideal for IoT applications needing to send alerts or updates.

Getting Started:

Getting started with Apprise API is easy. Simply install the package, configure your notification URLs, and you're ready to send notifications across multiple platforms with minimal fuss.

Support and Documentation:

Comprehensive documentation and a supportive community ensure you can make the most of Apprise API's capabilities. For more detailed information and support, visit Apprise API Documentation.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

5. BlackBox

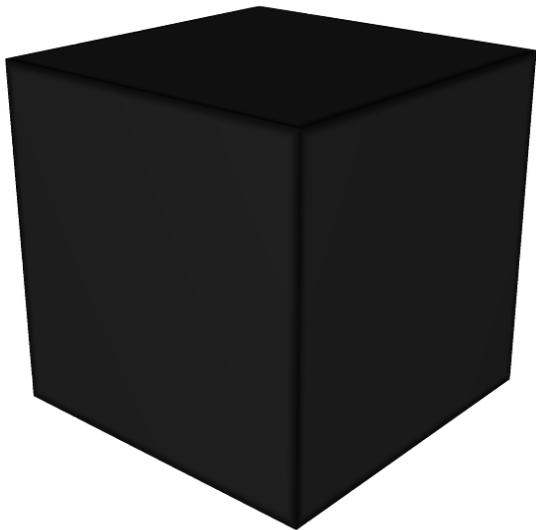


Figure 5: BlackBox logo

BlackBox to Save all Important Edge Data

This app allows users to trigger the creation of an airplane-style blackbox which archives data to the cloud. It is a valuable tool for investigating the cause of a significant event such as a crash, an accident or a cyber attack.

The app records all data it sees on the MQTT data bus, with a configurable retention policy. This ensures the edge device does not run out of disk space.

Once triggered, the app creates the blackbox, encrypts and signs it. This way, the blackbox can only be read by the owner of the private GPG key corresponding to the public key assigned to the app. The app then delivers the blackbox to a remote S3 storage endpoint.

Finally, it notifies the user that a blackbox was created and the reason why. The user can then start forensic activity to better understand the circumstances surrounding the significant event that led to the trigger.

To trigger the creation of a new blackbox, simply send a message to the topic `blackbox/record`. For example with the following command:

```
mosquitto_pub -h data-gateway -t 'blackbox/record' -m 'Alert'
```

Prerequisites: - The S3 must be registered on Nuvla as an infrastructure service. - The S3 bucket must exist on the S3 service. - The S3 bucket must have CORS rules allowing download from nuvla.io. - A GPG public key must be registered on Nuvla.

© 2021, SixSq SA

Vendor: Sixsq

EULA: <https://sixsq.com>

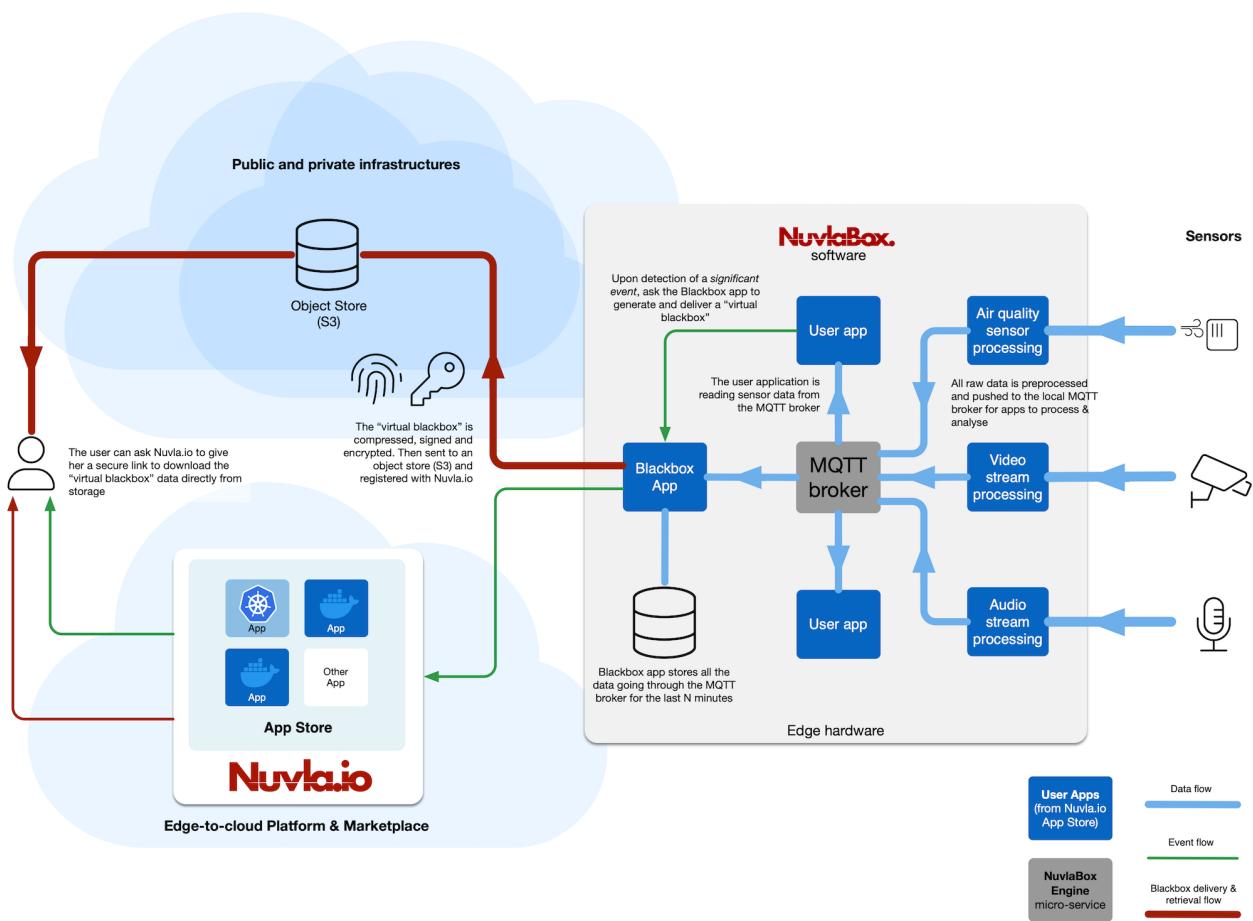


Figure 6: blackbox overview

Price: 9.90 EUR / month

6. C2RO ENTERA Video Analytics Agent



Figure 7: C2RO ENTERA Video Analytics Agent logo

ENTERA

The Most Advanced GDPR-compliant video analytics platform in the world.

What. Where. When. How...Never Who. Proprietary 100% FACELESS AI™ - 360-degree behavioral analysis including journey, dwell, engagement, and touch - Patented Faceless Socio-Demographic classification - Patented Faceless Camera-to-Camera re-connection - GDPR Compliance by Design

Revolutionary AUTOFOCUS™ Self-Learning AI

- Take Full Advantage of Existing Commodity Video Security Infrastructure
- Patented Technology guarantees accuracy under all camera and lighting conditions
- Full Audit Capability for All Key Analysis Points

A Wide Breadth of Solutions and Applications

The ENTERA™ feature-set is the most comprehensive in the industry and empowers our business partners and customers with mission-critical data in real-time.

www.c2ro.com/entera

Vendor: C2ro

EULA: <https://sixsq.com>

Price: Free or available on demand

7. ClearBlade Intelligent Assets



Figure 8: ClearBlade Intelligent Assets logo

ClearBlade Intelligent Assets

IoT, Edge and AI made simple with ClearBlade's Intelligent Assets Application.

Configure Rapidly Brownfield or greenfield – any device Asset Types like “Fuel Truck” or “Compressor”. Rules that make sense “When the tank is low”. Alerts over Slack, Teams, Email or Text.

A real time view of your business assets to get maximum efficiency

Connect any asset ClearBlade's Intelligent Assets application enables you to connect, monitor, and control any asset in your business, all without needing a computer science degree or expensive services from a systems integrator.

www.clearblade.com/intelligent-assets

Vendor: Clearblade

EULA: <https://sixsq.com>

Price: Free or available on demand

8. Cognitive Service

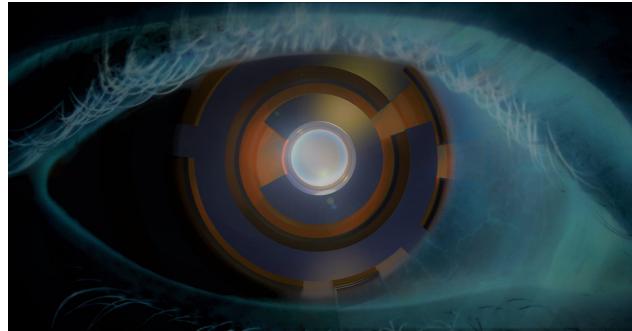


Figure 9: Cognitive Service logo

byteLAKE's Cognitive Services

byteLAKE's Cognitive Services is a collection of Artificial Intelligence (AI) models designed to address Industry 4.0 needs. Each AI model has been designed and trained to be razor-focused on specific industrial jobs, therefore ensuring maximum accuracy.

byteLAKE have made a strategic decision to work with various industry leaders and talented researchers in efforts to combine human knowledge, industry expertise, and know-how with the best AI algorithms and technologies. Humans and machines both make mistakes. Therefore, the product has been designed to effectively bring out the best of both worlds.

In essence, byteLAKE's Cognitive Services focus primarily on the following two areas.

Read more here.

© 2021, byteLAKE

Vendor: Bytelake

EULA: <https://sixsq.com>

Price: Free or available on demand

9. Cybus Connectware



Figure 10: Cybus Connectware logo

Cybus Connectware

The software to digitize your production in only a few weeks

Pave the way for digitization

No more fragmented data flow and lock-ins The slow pace of digitalization is caused by several barriers such as the heterogeneity of production environments, security concerns, working across data silos or missing communication between OT and IT. Factories also experience technical debts from the historically grown production infrastructure. Resulting vendor lock-ins could hinder the integration of new and more competitive technologies for future development.

A factory full of knowledge

No more sunk cost or data loss Initial digital projects implemented without a central database tend to create an inconsistent and fragmented data flow between production and IT. The results are blind spots in production processes and data silos. This not only hinders deployment, but also the piloting of additional use cases. By contrast, with a common data infrastructure, you reduce hidden costs and the loss of valuable knowledge.

Easy digitalization with a seamless data flow

The Smart Factory data infrastructure fully integrates production and IT The modern software solution provides a shared data basis with applicable real-time data. The typical barriers are dissolved as Connectware connects your production with your IT, every application and every system. The central data source provides all assets and resources to digitize your factory – all from one software.

www.cybus.io/en/product/cybus-connectware/

Vendor: Cybus

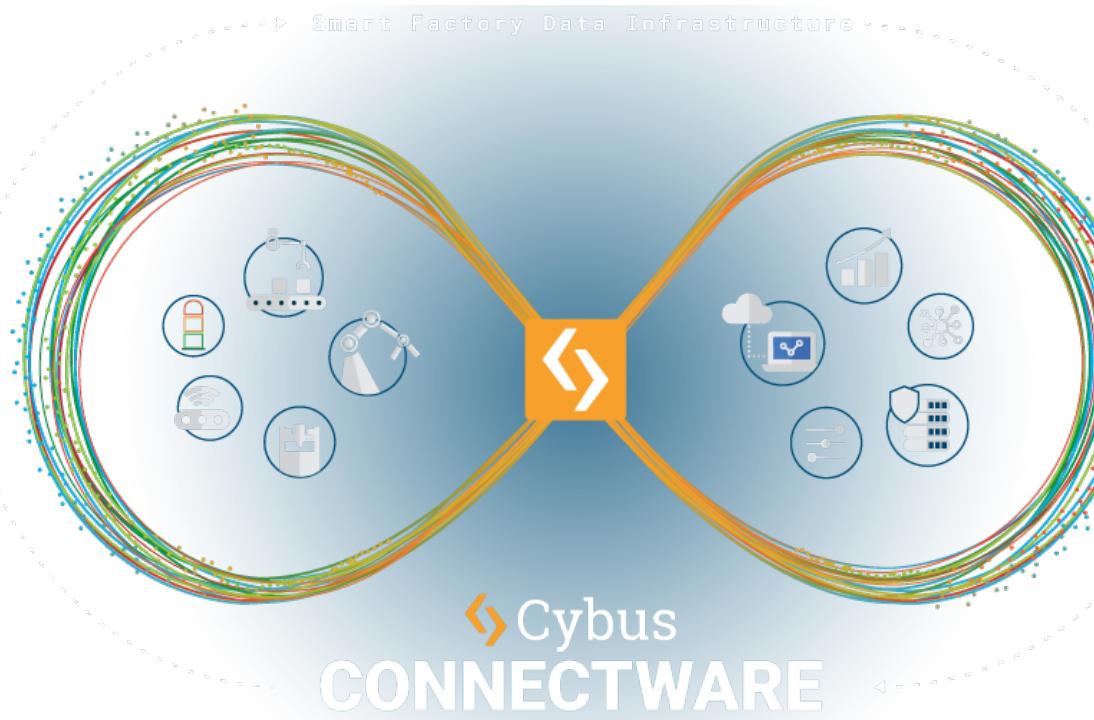


Figure 11: cybus connectware data infrastructure logo

EULA: <https://sixsq.com>

Price: Free or available on demand

10. Deployment multi-pod and multi-container



Figure 12: Deployment multi-pod and multi-container logo

Complex Deployment

To validate provisioning of the complex multi-pod and multi-container Kubernetes Deployment.

Vendor: Sixsq-devs

EULA: <https://sixsq.com>

Price: Free or available on demand

11. DeviceWISE Asset Gateway



Figure 13: DeviceWISE Asset Gateway logo

deviceWISE

deviceWISE is a service that runs on just about anything that has a CPU and some RAM. It is an extremely powerful device connector and edge logic service that can collect data from IoT devices at a very high rate.

Vendor: Swisscom-poc-industrial-iot

EULA: <https://sixsq.com>

Price: Free or available on demand

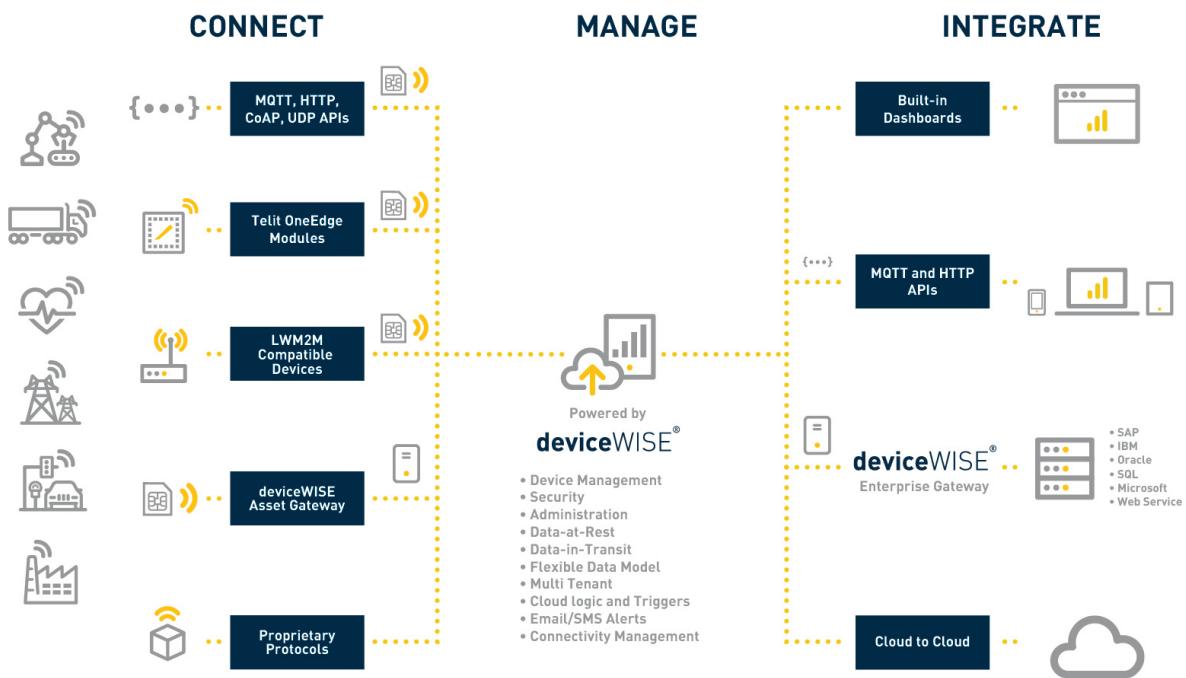


Figure 14: Telit IoT Platform

12. Drone Precision Landing



Figure 15: Drone Precision Landing logo

Precision landing in tight spaces

Klepsydra Precision Landing is a fast-responsive and lightweight on-board software application for UAVs to perform autonomous precision landing in small and constrained spaces. This software product has the following features:

- Adaptable to several types of sensors.
- Lightweight and can fit in small on-board computers.
- Compatible with main UAV autopilots and software frameworks.

Klepsydra precision landing software is used by:

- UAV companies performing off-shore windmill inspections,
- Space companies for research on in-orbit-servicing
- Autonomous Lunar landing.

Discover more here.

© 2021, Klepsydra Technologies GmbH

Vendor: Klepsydra

EULA: <https://sixsq.com>

Price: Free or available on demand

13. edgeConnector Modbus

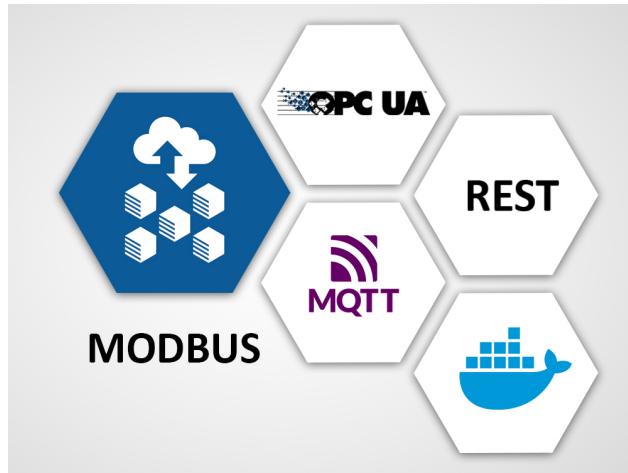


Figure 16: edgeConnector Modbus logo

edgeConnector Modbus

The edgeConnector Modbus App enables access to Modbus TCP controllers from various manufacturers such as Schneider Electric, Wago, Beckhoff, and Phoenix Contact. It supports the open communication interface Modbus TCP. It includes an integrated OPC UA Server for secure connectivity to management systems like ERP, MES, and SCADA.

Additionally, it offers an MQTT interface for direct integration of control data into IoT cloud applications, supporting multiple cloud providers. MQTT, like OPC UA, ensures data security through encryption, certificate management, and user authentication.

Configuration and management of dataFEED edgeConnector Modbus can be done locally through a web interface or remotely via a REST API. It provides flexible security settings, including role-based access rights for OPC UA Client applications.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

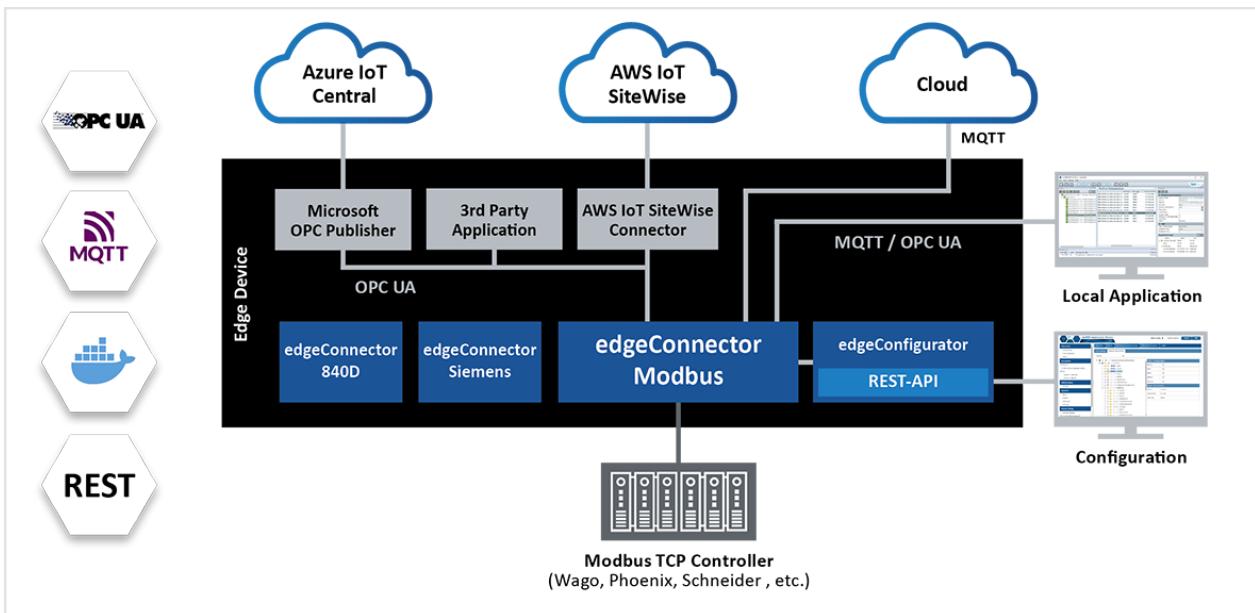


Figure 17: Telit IoT Platform

14. ES200



Figure 18: ES200 logo

ES200

The ES200 app by Eximprod is a sophisticated tool for energy management and grid automation, offering real-time monitoring, advanced analytics, and user-friendly interfaces. It's ideal for efficient network control and problem resolution in the energy sector.

Vendor: Eximprod

EULA: <https://sixsq.com>

Price: Free or available on demand

15. Filebrowser



Figure 19: Filebrowser logo

Filebrowser

Overview

Filebrowser is a web-based file management tool that allows easy access and management of files at the edge. It's lightweight and integrates seamlessly with Docker, making it an ideal choice for remote file management.

Key Features

- **Web-based Interface:** Easy to use, accessible from any web browser.
- **File Operations:** Upload, download, preview, rename, and edit files.
- **User Management:** Supports multiple users with individual directories.
- **Customization:** Configurable settings and access controls.

Default Login Information

- **Username:** admin
- **Password:** admin

GitHub Repository

For more details and source code, visit the Filebrowser GitHub repository.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

16. Hawkeye



Figure 20: Hawkeye logo

Ensuring high performance of wired, Wi-Fi, and 3G/4G/LTE networks in both pre-deployment and real-world environments while enabling dynamic security intelligence to help stay one step ahead of attacks

Vendor: Keysight

EULA: <https://sixsq.com>

Price: Free or available on demand

17. Kali In A Box



Figure 21: Kali In A Box logo

Kali in a Box

Shell In A Box implements a web server that can export arbitrary command line tools to a web based terminal emulator. This emulator is accessible to any JavaScript and CSS enabled web browser and does not require any additional browser plugins.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

18. LatenceTech Analyzer

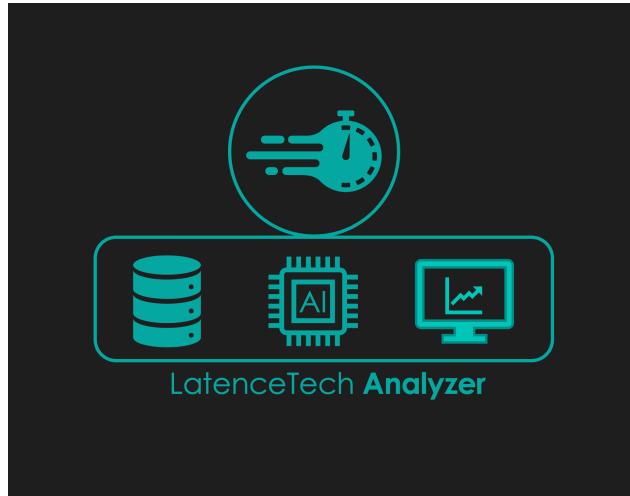


Figure 22: LatenceTech Analyzer logo

Collects, stores and performs real-time analysis on the measurement results (sent by the QoS Agent). Offers **real-time observability** using ready-to-use dashboards to view results and get insights on network and application latency. Offers open APIs to export data. Pre-packaged with InfluxDB and Grafana Open Source components. Easy to deployed as a Docker image.

Latest release includes:

- new dashboard to easily compare latency results from different QoS Agents (sites)
- new dashboard giving a high level view of main network quality indicators

Important technical notes:

- For IP ports to open on the Analyzer, please refer to Prerequisites
- For an explanation of the Analyzer Dashboard, please refer to Dashboard Explanations

For more details, you can also refer to our generic documentation [docs.latence.ca](#). Note that this documentation contains certain steps that are not required in this packaging for Nuvla.io

Refer to link for details in the End User License Agreement EULA

© LatenceTech Technologies Inc., 2023

Vendor: Latencetech

EULA: <https://sixsq.com>

Price: 249.00 EUR / month

19. LatenceTech QoSAgent



Figure 23: LatenceTech QoSAgent logo

QoSAgent is a software container that collects Quality of Service (QoS) measurements in near real-time by using the **Reflector**. It sends real-time results to the **Analyzer** platform. Supports ICMP, TCP/UDP, HTTP/S, TWAMP, Traceroute and Iperf3 protocols for latency, bandwidth, network path and reliability measurements. Easy to deploy, as a Docker image, on 5G CPE-modem or connected device, or EDGE node, VM, OpenShift, Kubernetes env., etc.

For more details, please refer to docs.latence.ca

Refer to link for details in the End User License Agreement EULA

© LatenceTech Technologies Inc., 2023

Vendor: Latencetech

EULA: <https://sixsq.com>

Price: 49.50 EUR / month

20. LatenceTech Reflector



Figure 24: LatenceTech Reflector logo

Target or End Point for the QoS Agent, responds to requests and returns QoS and Latency measurements in near real-time. A Reflector can support multiple agents. Packaged as a Docker image.

For more details, please refer to docs.latence.ca

Refer to link for details in the End User License Agreement EULA

© LatenceTech Technologies Inc., 2023

Vendor: Latencetech

EULA: <https://sixsq.com>

Price: 3.00 EUR / month

21. LibreSpeed



Figure 25: LibreSpeed logo

This is a very lightweight Speedtest implemented in Javascript, using XMLHttpRequest and Web Workers.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

22. MJPG-Streamer for NuvlaEdge

Figure 26: MJPG-Streamer for NuvlaEdge logo

MJPG-Streamer for NuvlaEdge

This application will deploy an mjpg-streamer server on a NuvlaEdge. It allow to retreive video stream from an USB camera and expose it as an MJPG stream over HTTP.

By default, the app is conected to the NuvlaEdge's shared network.

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: Free or available on demand

23. Net-Tracer



Figure 27: Net-Tracer logo

Net-Tracer

Net-Tracer is the best way to detect, diagnose and resolve performance issues impacting your business. See what drives degradations in SaaS and web apps, user experience, hybrid networks and cloud infrastructure.

Pricing Net-Tracer pricing is based on the number of tests executed per month. This is defined by:

- the frequency of the tests: (1, 5, 15, 20, 30 minutes)
- the number of test origin-destination pairs (test origin/tester → application/target):
 - Net-Tracer is the test origin (this app's location)
 - Target application(s) are configured in the Kadiska platform
- See our documentation for details

Pricing Tiers - Application Test Targets

| | | |
|-------------------|------------|---|
| ≤ 5 Targets: | €144/month | - Price indicated in Nuvla.io marketplace |
| (5, 10] Targets: | €180/month | - Contact us to enable |
| (10, 25] Targets: | €216/month | - Contact us to enable |
| (10, 25] Targets: | €288/month | - Contact us to enable |

Volume Discounts - Deployment Locations (Net-Tracer “sites”)

| | |
|-------------------|----------------------------------|
| ≤ 25 Sites: | 0% |
| (25, 50] Sites: | 20% - Contact us for coupon code |
| (50, 100] Sites: | 30% - Contact us for coupon code |
| (100, 250] Sites: | 40% - Contact us for coupon code |
| > 250 Sites: | __% - Contact us |

See below for platform and contact information.

Note: Net-Tracer is free to download and deploy. Billing is based on usage as described above. An account on the Kadiska platform is required to use Net-Tracer to configure it, collect data, and report results. Please contact Kadiska to setup an account.

Start a Free Trial or Contact Kadiska

Vendor: Kadiska

EULA: <https://sixsq.com>

Price: 144.00 EUR / month

24. Nginx Proxy Manager



Figure 28: Nginx Proxy Manager logo

<https://nginxproxymanager.com/>

- Get Connected Expose web services on your network · Free SSL with Let's Encrypt · Designed with security in mind · Perfect for home networks
- Proxy Hosts Expose your private network Web services and get connected anywhere.
- Beautiful UI Based on Tabler, the interface is a pleasure to use. Configuring a server has never been so fun.
- Free SSL Built in Let's Encrypt support allows you to secure your Web services at no cost to you. The certificates even renew themselves!
- Docker FTW Built as a Docker Image, Nginx Proxy Manager only requires a database.
- Multiple Users Configure other users to either view or manage their own hosts. Full access permissions are available.

Default Log in to the Admin UI When your docker container is running, connect to it on port 81 for the admin interface. Sometimes this can take a little bit because of the entropy of keys.

<http://127.0.0.1:81>

Default Admin User:

Email: admin@example.com Password: changeme

Vendor: User/2085b330-5b08-4885-9e2a-b45d2f05a40c

EULA: <https://sixsq.com>

Price: Free or available on demand

25. Object Detection Demo with Blackbox trigger Compose

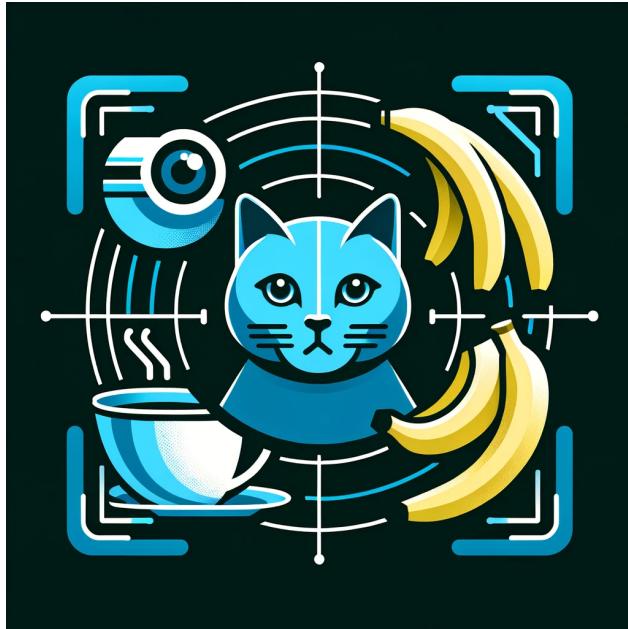


Figure 29: Object Detection Demo with Blackbox trigger Compose logo

Object Detection Demo with Blackbox trigger

This demo app leverages machine learning to identify objects, offering the option to trigger a blackbox event for specific detections.

You have control over the list of detectable objects and the criteria for blackbox activation. Compatible with ARM and x86 hardware architecture.

This app is compatible with the blackbox app.

Website: <https://sixsq.com>

Copyright © 2022 SixSq

object_detector arguments:

```
$ object_detector_app.py --help
usage: object_detector_app.py [--help] [-s INPUT_SOURCE] [-q QUALITY]
                               [-w WIDTH] [-h HEIGHT] [-t THREADS] [-m MODEL]
                               [-l LABELS] [--threshold THRESHOLD]
                               [--history_size HISTORY_SIZE]
                               [-i INCLUDE_LABELS [INCLUDE_LABELS ...]]
                               [--mqtt_brokers MQTT_BROKERS]
                               [--mqtt_topic MQTT_TOPIC] [-d]
```

optional arguments:

| | |
|--|---------------------------------|
| --help | show this help message and exit |
| -s INPUT_SOURCE, --input_source INPUT_SOURCE | Video input source (default: 0) |

```

-q QUALITY, --quality QUALITY
    Quality of the output stream [0-100] (default: 80)
-w WIDTH, --width WIDTH
    Width of the output stream (default: 1280)
-h HEIGHT, --height HEIGHT
    Height of the output stream (default: 720)
-t THREADS, --threads THREADS
    Number of thread to run analysis (default: 1)
-m MODEL, --model MODEL
    File path of .tflite file. (default: detect.tflite)
-l LABELS, --labels LABELS
    File path of labels file. (default: labels.txt)
--threshold THRESHOLD
    Score threshold for detected objects. (default: 0.5)
--history_size HISTORY_SIZE
    Number of previous object detections to look at.
    (default: 3)
-i INCLUDE_LABELS [INCLUDE_LABELS ...], --include_labels INCLUDE_LABELS [INCLUDE_LABELS ...]
    List of labels to take into account. (default: None)
--mqtt_brokers MQTT_BROKERS
    MQTT Brokers TCP endpoints (comma separated) (default:
    None)
--mqtt_topic MQTT_TOPIC
    MQTT Topic (default: object/new)
-d, --debug
    Show debug log level (all log messages). (default:
    False)

```

Avaliables labels:

person, bicycle, car, motorcycle, airplane, bus, train, truck, boat, bench, bird, cat, dog, horse, sheep, cow, elephant, bear, zebra, giraffe, backpack, umbrella, handbag, tie, suitcase, frisbee, skis, snowboard, kite, skateboard, surfboard, bottle, cup, fork, knife, spoon, bowl, banana, apple, sandwich, orange, broccoli, carrot, hot dog, pizza, donut, cake, chair, couch, bed, toilet, tv, laptop, mouse, remote, keyboard, microwave, oven, toaster, sink, refrigerator, book, clock, vase, scissors, toothbrush

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

26. Omada Controller



Figure 30: Omada Controller logo

Omada Software Controller

- Centralized Management: Up to 10,000 Omada access points, JetStream switches, and Omada routers.*
- Cloud Access: Manage and monitor with the Omada app or Web UI from anywhere, anytime.
- Free of Charge: Download and use locally or from the cloud without additional expense.
- Easy and Intelligent Network Monitoring: The easy-to-use dashboard makes it simple to see the real time network status and traffic distribution.
- Real-Time Network Topology: Helps IT admins quickly see and troubleshoot connections at a glance.
- Easier Network Maintenance: WiFi heatmap simulator, visualizable network report, and batch & multi site management benefit network maintenance.

<https://www.tp-link.com/en/business-networking/omada-sdn-controller/omada-software-controller/>

Compatible with Ekinops FlexCPE

== Allow 10 Minutes for this application to start ==

Vendor: User/2085b330-5b08-4885-9e2a-b45d2f05a40c

EULA: <https://sixsq.com>

Price: Free or available on demand

27. OPC-UA Client



Figure 31: OPC-UA Client logo

OPC-UA Client

Dockerized version of FreeOpcUa/opcua-client-gui

Written using freeopcua python api and pyqt. Most needed functionalities are implemented including subscribing for data changes and events, write variable values listing attributes and references, and call methods.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

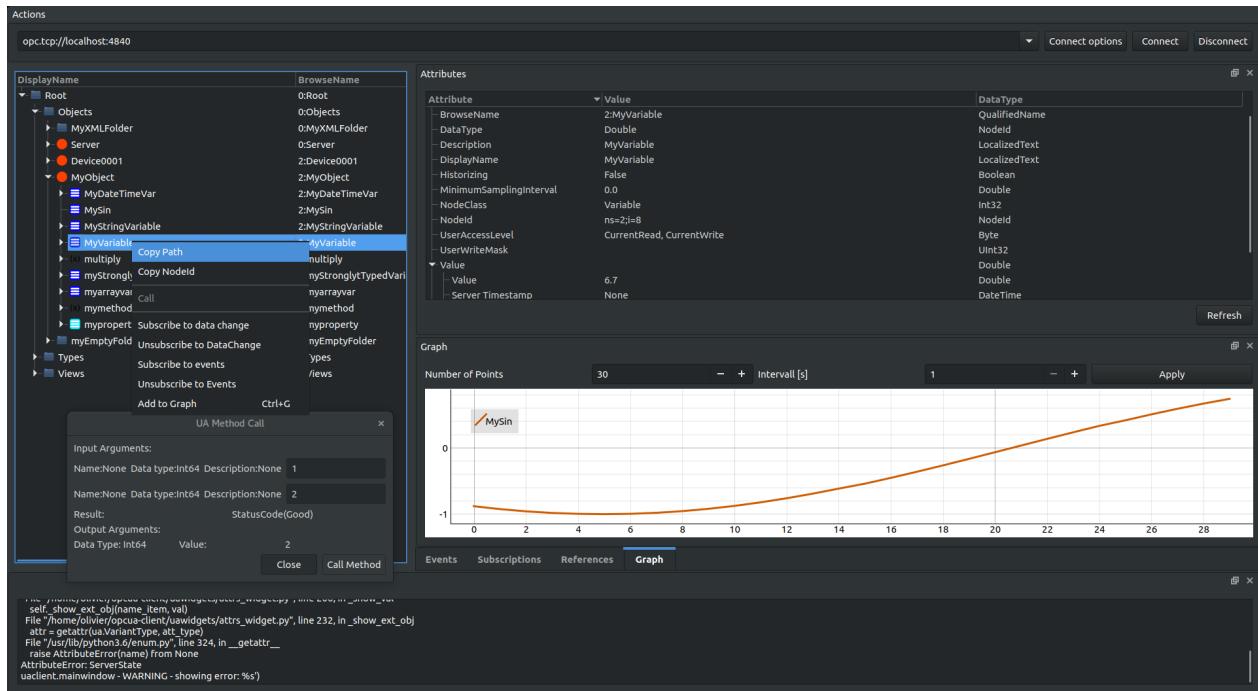


Figure 32: App Screenshot

28. Parquery Pipeline



Figure 33: Parquery Pipeline logo

Parquery Pipeline

The Pipeline is a robust backend system designed to provide real-time data processing and analytics for retail environments.

It serves as the core engine driving the Dashboard application, handling complex data interactions and delivering insights into customer behavior, store occupancy, and queue management.

Vendor: Parquery

EULA: <https://sixsq.com>

Price: Free or available on demand

29. Prometheus Monitoring Dashboard

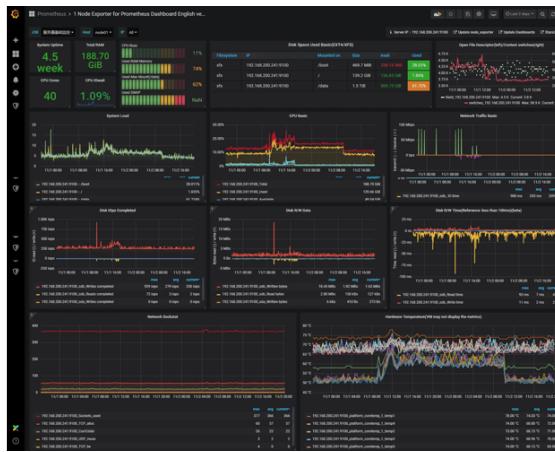


Figure 34: Prometheus Monitoring Dashboard logo

Prometheus Monitoring Dashboard

The Prometheus Monitoring Dashboard app combines the power of Prometheus with the advanced visualization capabilities of Grafana.

It is designed to work with multiple node exporters, each can be deployed with the Prometheus Node Exporter app. This means you can monitor and analyze the performance of multiple systems from a single dashboard.

This app provides a comprehensive and powerful monitoring and analysis environment that can help you optimize the performance of your edge computing solution.

For convenience this app also integrates a Prometheus Node Exporter instance.

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: Free or available on demand

30. Prometheus Node Exporter



Figure 35: Prometheus Node Exporter logo

Prometheus Node Exporter

Prometheus Node Exporter is a powerful tool that helps you monitor and collect metrics from your system's hardware and operating system. With this app, you can easily expose a wide range of system-level metrics, including CPU usage, memory usage, disk I/O statistics, network activity, and more.

The Prometheus Node Exporter app provides a simple and efficient way to collect and analyze system metrics at the edge. It is designed to work seamlessly with Prometheus Monitoring Dashboard, and can be easily integrated with other monitoring tools and dashboards.

Note: This version runs as a container with docker-compose

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: 3.00 EUR / month

31. ReliVision



Figure 36: ReliVision logo

The ReliVision app from Relimetrics is hardware and image-modality agnostic and applicable across different use cases, enabling quality automation and smart manufacturing without writing a single line of code.

More details at www.relimetrics.com.

Vendor: Relimetrics

EULA: <https://sixsq.com>

Price: Free or available on demand

32. Shell In A Box



Figure 37: Shell In A Box logo

Shell in a Box

Shell In A Box implements a web server that can export arbitrary command line tools to a web based terminal emulator. This emulator is accessible to any JavaScript and CSS enabled web browser and does not require any additional browser plugins.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

33. TPG NOVA Offline



Figure 38: TPG NOVA Offline logo

nova offline

Vendor: Tpg

EULA: <https://sixsq.com>

Price: Free or available on demand

34. TrafficDim

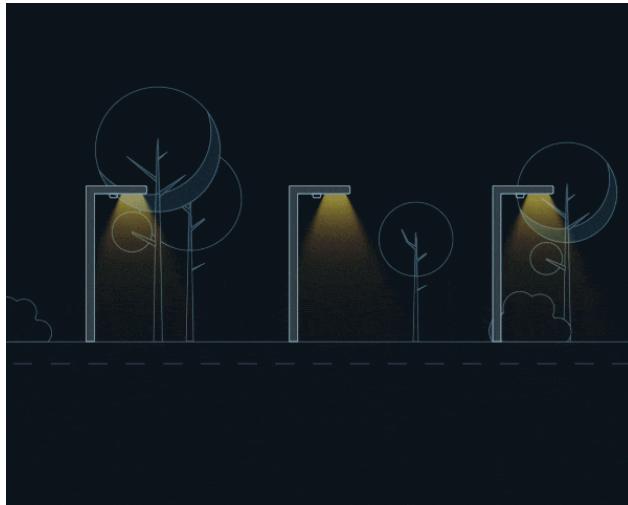


Figure 39: TrafficDim logo

Traffic Based Lighting

Next-generation solution for smart, efficient street lighting Elektron and SixSq launch the first industrialized traffic-based lighting solution in Switzerland.

Elektron teamed up with software technology expert and CERN spin-off SixSq to create a next-generation connected Smart Street Lighting solution.

TrafficDim is the first industrialized solution of its kind and was developed 100% in Switzerland. The solution has been specially engineered for major traffic axes - where it pays off most to reduce energy and light pollution.

Geneva / Au (ZH) – Elektron has been testing traffic-dependent lighting control systems in various pilot projects (Wädenswil/Smart City Lab Basel Wolf) for some time now. Right from the start, Elektron worked closely with cantonal civil engineering offices and traffic engineers, as they already use traffic sensor technology for their analyses. Now Elektron has teamed up with the software technology expert and CERN spin-off SixSq. Together they developed the first industrialized traffic-based lighting solution in Switzerland.

"We had been working on the topic for some time and had examined different approaches. Only when we started the collaboration with SixSq we made progress. SixSq understood us right from the start and implemented our wishes incredibly fast and competently". Enrico Baumann, CEO Elektron AG TrafficDim is ideally suited for adjusting the light intensity on busy roads. It reduces energy consumption and light emissions while complying with the applicable safety standards and norms. The solution achieves this by controlling street lighting based on real-time traffic monitoring. The data is automatically analyzed on SixSq's secure edge-to-cloud management platform Nuvla.io, which allows for easy processing of the collected traffic data and continuously transmits the information to the CityTouch lighting management system to control the luminaires.

"I am impressed with how Elektron has leveraged Nuvla.io to create something new. With TrafficDim, ELEKTRON has integrated our real-time monitoring capabilities at the edge with the Signify CityTouch light management system to deliver an industrial scale product. This solution will make smart cities safer and more energy efficient." Marc-Elian Bégin, SixSq CEO and Co-founder

Press Release (EN)

Details: FR - DE

The TrafficDim™ trademark belongs to Elektron. The Citytouch™ trademark belongs to Signify

Copyright © SixSq

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: 30.00 EUR / month

35. Unifi-Controller



Figure 40: Unifi-Controller logo

Unifi Controller

The Unifi-controller software is a powerful, enterprise wireless software engine ideal for high-density client deployments requiring low latency and high uptime performance.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

36. Uptime Kuma



Figure 41: Uptime Kuma logo

Uptime Kuma

Introduction

Uptime Kuma is a sophisticated, self-hosted monitoring tool, providing an easy-to-use platform for tracking the uptime of various services.

Key Features

- **Diverse Monitoring Capabilities:** Supports HTTP(s), TCP, HTTP(s) Keyword, HTTP(s) Json Query, Ping, DNS Record, Push, Steam Game Server, and Docker Containers.
- **User Interface:** Offers a fancy, reactive, and fast UI/UX.
- **Notifications:** Integrates with Telegram, Discord, Gotify, Slack, Pushover, Email (SMTP), among over 90 other notification services.
- **Efficiency:** Performs checks at 20-second intervals.
- **Multi-Language Support:** Available in multiple languages for broader accessibility.
- **Status Pages:** Facilitates the creation of multiple status pages and mapping them to specific domains.
- **Additional Features:** Includes ping charts, certificate info, proxy support, and 2FA support.

Motivation Behind the Tool

- Designed as a stable, self-hosted alternative to tools like Uptime Robot.
- Focus on creating a visually appealing UI.
- Utilizes modern web technologies such as Vue 3 and vite.js, Bootstrap 5, and WebSocket with SPA.

Conclusion

Uptime Kuma is not just a monitoring tool, but a project driven by the desire for stability, aesthetic appeal, and cutting-edge web tech.

GitHub Repository

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

37. Varnish Enterprise 6



Figure 42: Varnish Enterprise 6 logo

Varnish Enterprise 6 A supercharged version of Varnish Cache, for accelerating content delivery while protecting web services.

Varnish Enterprise is a powerful, feature-rich reverse proxy and HTTP accelerator that speeds up websites and reduces streaming latency to deliver a great web experience to all users, at all times. Varnish caching technology is trusted by millions of websites worldwide to reduce backend server load by up to 99% while delivering all types of content much faster.

From the team behind the popular open-source Varnish Cache, Varnish Enterprise adds more features, more power and more flexibility for scaling up web services while protecting critical infrastructure. With enterprise-grade features and security at pay-as-you-go prices, it is the easy way to expand your reach and resilience while reducing the complexity of your web operations. You can even use it to build your own CDN.

Full support is also available, with the Varnish team helping you deliver web services with high performance, reliability, security and scale. Visit us at <https://www.varnish-software.com/support/> to activate support.

For a complete feature list, go to <https://www.varnish-software.com/softwareandvmods/>.

Varnish is a registered trademark of Varnish Software AB and its affiliates

Learn more

About Varnish Software Inc.

Varnish Software is a pioneer in high-performance content delivery. Powered by a uniquely flexible caching technology, our solutions are the indispensable common denominator among the world's most popular brands, such as Nikon, Sky, Emirates and Tesla. We are the company behind Varnish Cache.

Vendor: Varnish

EULA: <https://sixsq.com>

Price: 562.50 EUR / month

38. VirtualBox



Figure 43: VirtualBox logo

VirtualBox

VirtualBox, Dockerized and accessible through a browser, streamlines VM management. Integrated with Kasm Workspaces, it allows easy deployment and control of VMs from anywhere. Key features include a user-friendly browser interface, scalable Docker container technology, and secure, isolated environments for VMs. Ideal for straightforward, efficient VM handling at the edge.

Vendor: User/a56bfe85-44e2-4545-8e05-0d80eda4a2b0

EULA: <https://sixsq.com>

Price: Free or available on demand

39. VolumLight®



Figure 44: VolumLight® logo

VolumLight® Application

Dynamic lighting, driven in real-time by the amount of traffic measured. Delivers up to 40% energy savings, completely autonomously.

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: 30.00 EUR / month

40. Wireshark



Figure 45: Wireshark logo

Wireshark

Wireshark lets you see what's happening on your network at a microscopic level and is the de facto standard across many commercial and non-profit enterprises, government agencies, and educational institutions.

Wireshark development thrives thanks to the volunteer contributions of networking experts around the globe and is the continuation of a project started by Gerald Combs in 1998.

Wireshark documentation

Vendor: Sixsq

EULA: <https://sixsq.com>

Price: Free or available on demand