#### K8s Worker

[Container: k0s, k3s, k8s, OpenYurt, KubeEdge]

Worker node is responsible for running containerized applications (workloads) and ensuring they are operational.

#### Netdata

[Container: Netdata v1.42.0-189-nightly]

An open-source, distributed, real-time, performance, and monitoring solution that gathers metrics from the host and sends them to the MongoDB database.

# node 1

[Raspberry Pi 4 Model B: Ubuntu Preinstalled Server 22.04.2 ARM64 raspi/BCM2711,Quad-core Cortex-d A72(ARM v8)64-bit SoC@1.8GHz/4Gb/64Gb sd-card]

# node 2

[Raspberry Pi 4 Model B: Ubuntu Preinstalled Server 22.04.2 ARM64 raspi/BCM2711,Quad-core Cortex-and A72(ARM v8)64-bit SoC@1.8GHz/4Gb/64Gb sd-card]

## node\_3

[Raspberry Pi 4 Model B: Ubuntu Preinstalled Server 22.04.2 ARM64 raspi/BCM2711,Quad-core Cortex-A72(ARM v8)64-bit SoC@1.8GHz/4Gb/64Gb sd-card]

### **K8s Controller**

[Container: k0s, k3s, k8s, OpenYurt, KubeEdge]

Controller is responsible for maintaining the desired state of the cluster.

#### Netdata

[Container: Netdata v1.42.0-189-nightly]

An open-source, distributed, real-time, performance, and monitoring solution that gathers metrics from the host and sends them to the MongoDB database.

## k-bench

[Container: K-Bench]

A framework to benchmark the control and data plane aspects of a Kubernetes infrastructure

### master

htly]

[NUC: Ubuntu Server 22.04.2 AMD64/i7-10710U@1.10GHz/ 64GbDDR4/1TbNVMe]/

### **Kubernetes Cluster**

[k0s, k3s, k8s, OpenYurt, KubeEdge]

