

# MECAs Update

โดยทีมวิจัยนวัตกรรมอินเทอร์เน็ต  
(Internet Innovation Research Team, INO)

# MECAs: Cloud Container Service Platform



Build



Launch



Serve

# MECAs Features

- Containerized applications powered by Kubernetes
- Getting start with MECAs UI
- Storage volume with data replication over entire cluster
- HTTP/HTTPS service with dynamically assigned subdomain name
- Customized domain name for HTTP/HTTPS service
- Resource allocation for each namespace (CPU, Memory, Storage, Public IP)
- Built-in network load balancer

# MECAs Feature Updates

- Editable Workload
- Docker secret to pull private repository
- Container resource monitoring
- Workload Template (Soon)
- View native Kubernetes workload (Soon)
- Invite to namespace (Soon)

The screenshot displays the MECAs interface for a workload named 'Secret'. At the top, there are 'Edit' and 'Delete' buttons. Below, the workload is shown as 'Running' with a 'CPU Time' graph. The 'Name' and 'Type' fields are visible. A 'Credential' section shows a Docker secret named 'ycloak-679f5c6f9f-55w7g'. Below this, there are 'Memory Usage' and 'Transfer Out' graphs. At the bottom, there are 'Transfer In' and 'Create' buttons. The interface is partially obscured by a dark overlay at the bottom.

# MECAs Deployments

# Unai

- IoT Applications with node-red
- NodeJS Application
- MQTT service
- HTML/JS Web Application

# Phuket Dashboard

- Web Application and Database
- NodeJS Web Application
- HTML/JS Frontend Web Application
- MongoDB

# NECTEC Sharing Space

- IoT Application with node-red
- NodeJS Application
- MQTT service
- HTML/JS Web Application
- Embedded Devices



# NSTDA Tram

- Web Application with Database
- NodeJS Web Application
- MQTT Subscriber
- MySQL Database

# Vital Sign Kios

- API Backend Web Service
- Java Web Application
- PostgreSQL
- Redis
- Elastic Logstash Kibana