

# Open Horizon project Management Hub Working Group Meeting

August 13, 2020



## LF Antitrust Policy Notice

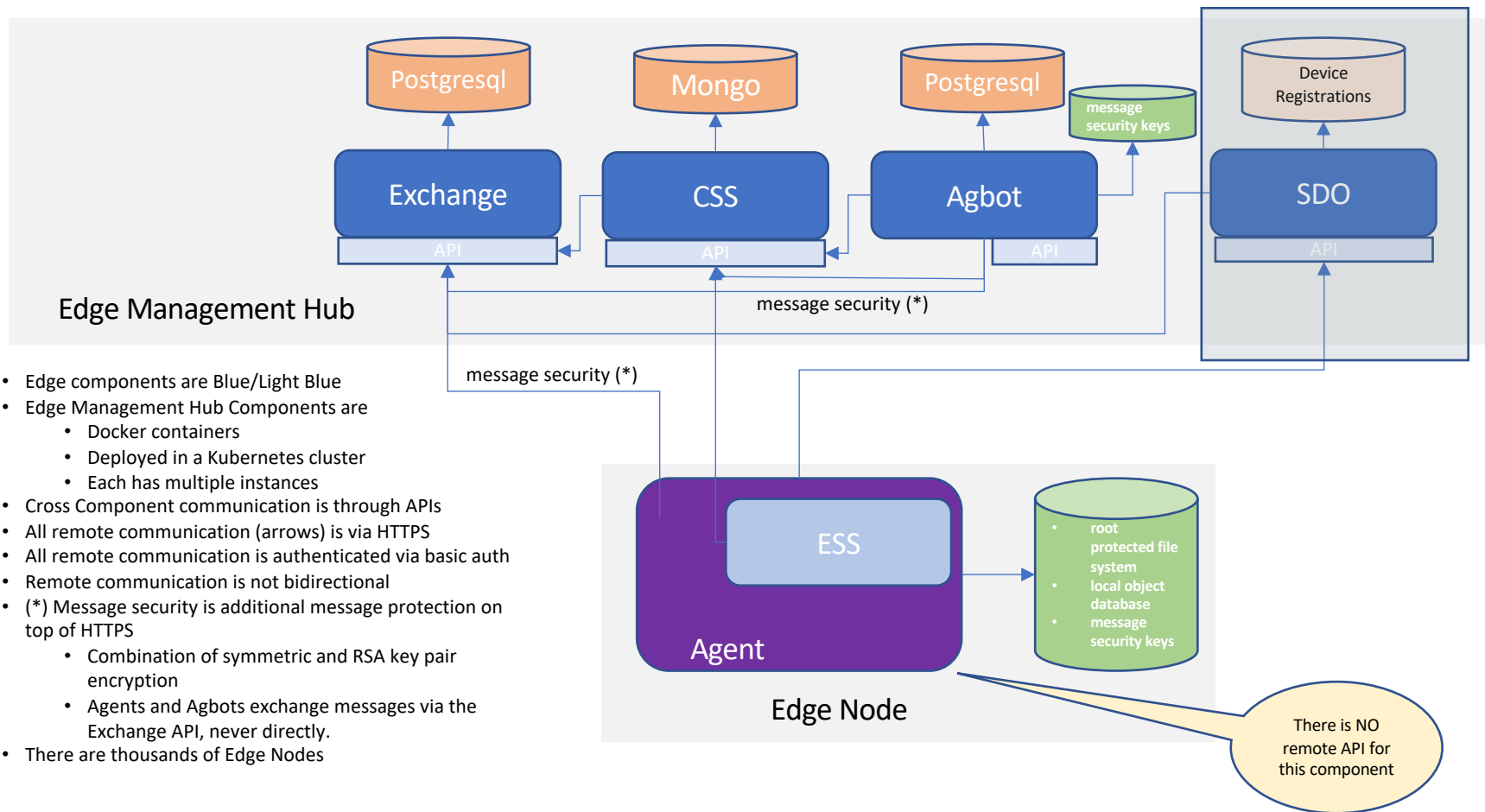
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# Topics

- Welcome and Introductions
  - Meeting every other Thursday @ 6:30am PT / 9:30am ET / 1:30pm UTC
    - [Meeting details](#)
  - Participation
    - [Roles](#) and [responsibilities](#)
    - [How to get started](#)
- Communication
  - Slack channel: [lfedge.slack.com #open-horizon-mgmt-hub](#) ([join](#))
  - Mailing list: [open-horizon-mgmt-hub@lists.lfedge.org](#) ([join](#))
- Tools and Processes
  - [Code repositories](#)
  - [ZenHub](#) for project board and swim lanes
- Horizon Management Hub Overview
- Next Meeting

# Technical Architecture Overview



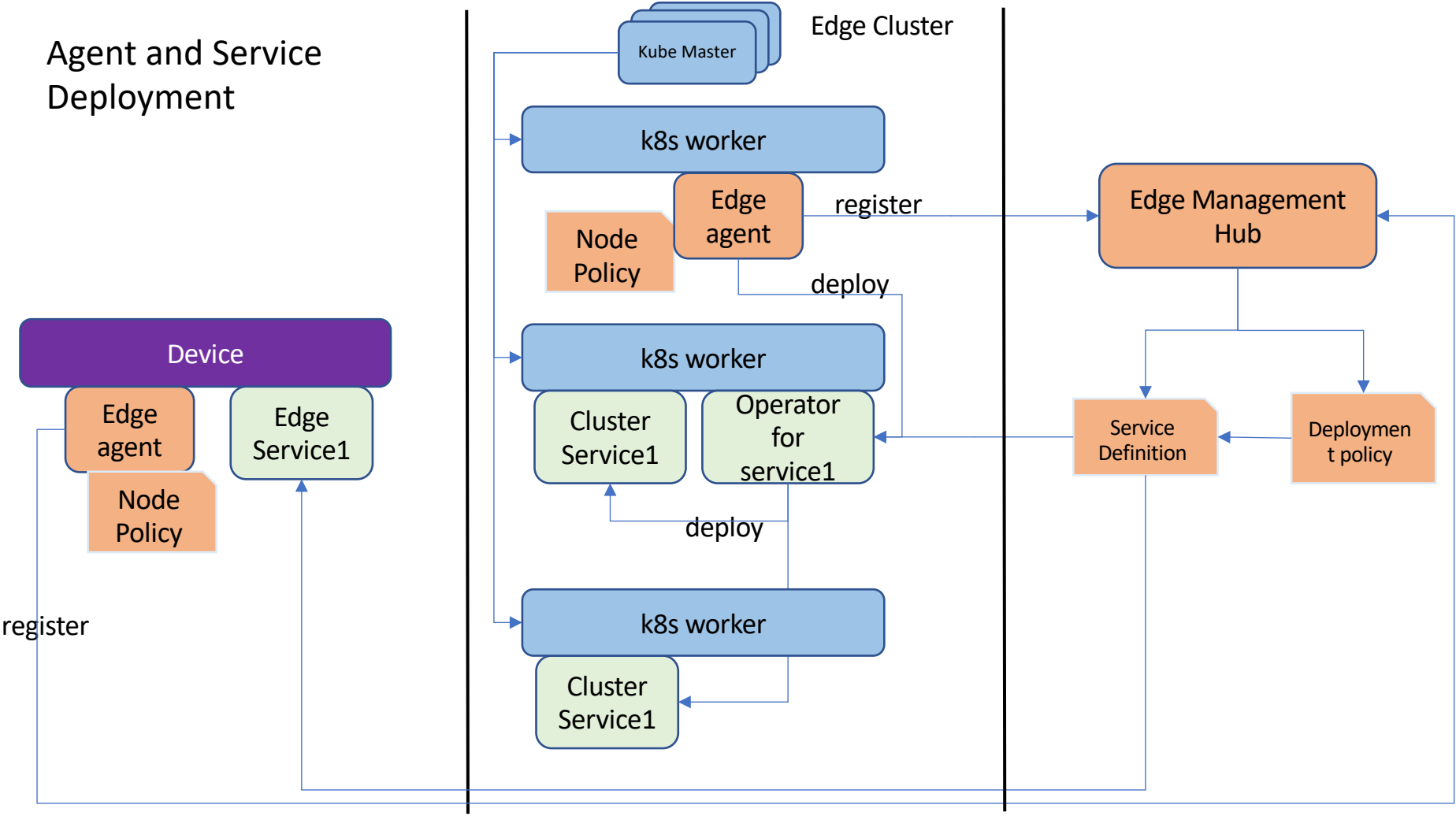
# Open Horizon Management Hub Components

- Exchange
  - Central data repository through which all other components find and coordinate with each other
  - Provides an extensive REST API (soon to be published on <https://open-horizon.github.io/> )
  - Multiple instances that synchronize via the postgresql DB
  - Implemented in Scala and built on [Akka HTTP](#)
  - <https://github.com/open-horizon/exchange-api>
- Agbot (Agreement Bot)
  - Makes agreements with edge nodes to run edge services to fulfill what has been specified in the patterns and deployment policies
  - [REST API](#)
  - Multiple instances that run largely independently
  - <https://github.com/open-horizon/anax>

# Open Horizon Management Hub Components (continued)

- CSS (Cloud Sync Service)
  - The management hub side of MMS (Model Management System). The edge node side of MMS is called ESS (Edge Sync Service)
  - Deploys AI models and other files that edge services need to the correct edge nodes
  - File placement determined by edge service placement and additional (optional) MMS policy
  - [REST API](#)
  - <https://github.com/open-horizon/edge-sync-service>
- SDO (Secure Device Onboard)
  - Enables zero-touch secure connecting of SDO-enabled edge devices to a Horizon management hub instance
  - After import the device ownership voucher, simply powering on an SDO device will:
    - Find the correct Horizon management hub
    - Install the Horizon agent and prerequisites
    - Register the edge device with Horizon and deploy edge services to it according to the desired deployment policy
  - Uses [Intel's SDO open source](#)
  - <https://github.com/open-horizon/SDO-support>

# Agent and Service Deployment



## Next Steps

- › Visit the [Quick Start](#) and start contributing!
- › Next Meeting: Thursday, Aug 27 @ 6:30am PT / 9:30am ET / 1:30pm UTC



Thank You