Hono™ service stack deployment to Azure

Experiences on utilizing tracing and monitoring of Eclipse Hono™ in Microsoft Azure

SMADYASP project group: Juho Holmi, Mikael Saarinen, Sami Wickström, Niina Lundén, Juuso Kosola (Contact: first.lastname@student.oulu.fi) and M3S, University of Oulu

INTRODUCTION

SMADYASP student group developed a solution of deploying Eclipse Hono™ microservice stack, monitoring deployed services and tracing telemetry and event messages.

GOALS

The goal of this project was to ease the deployment of Hono™, and gather metrics and tracing data of the Hono™ microservice stack. And to track the system load, cluster wellbeing, and the amount of requests handled by the system, and detect bottlenecks within the system.

ARCHITECTURE

Simplified architectural presentation of deployment process.

TRACING

Monitoring Hono™ with Prometheus and Grafana

Source: https://github.com/smaddis
Demo video: https://youtu.be/SF46X0i_hJU

M3S, University of Oulu