



The Standards People

# IoT Conference 2023

## How to Install and Run Your Own oneM2M Server

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# Overview

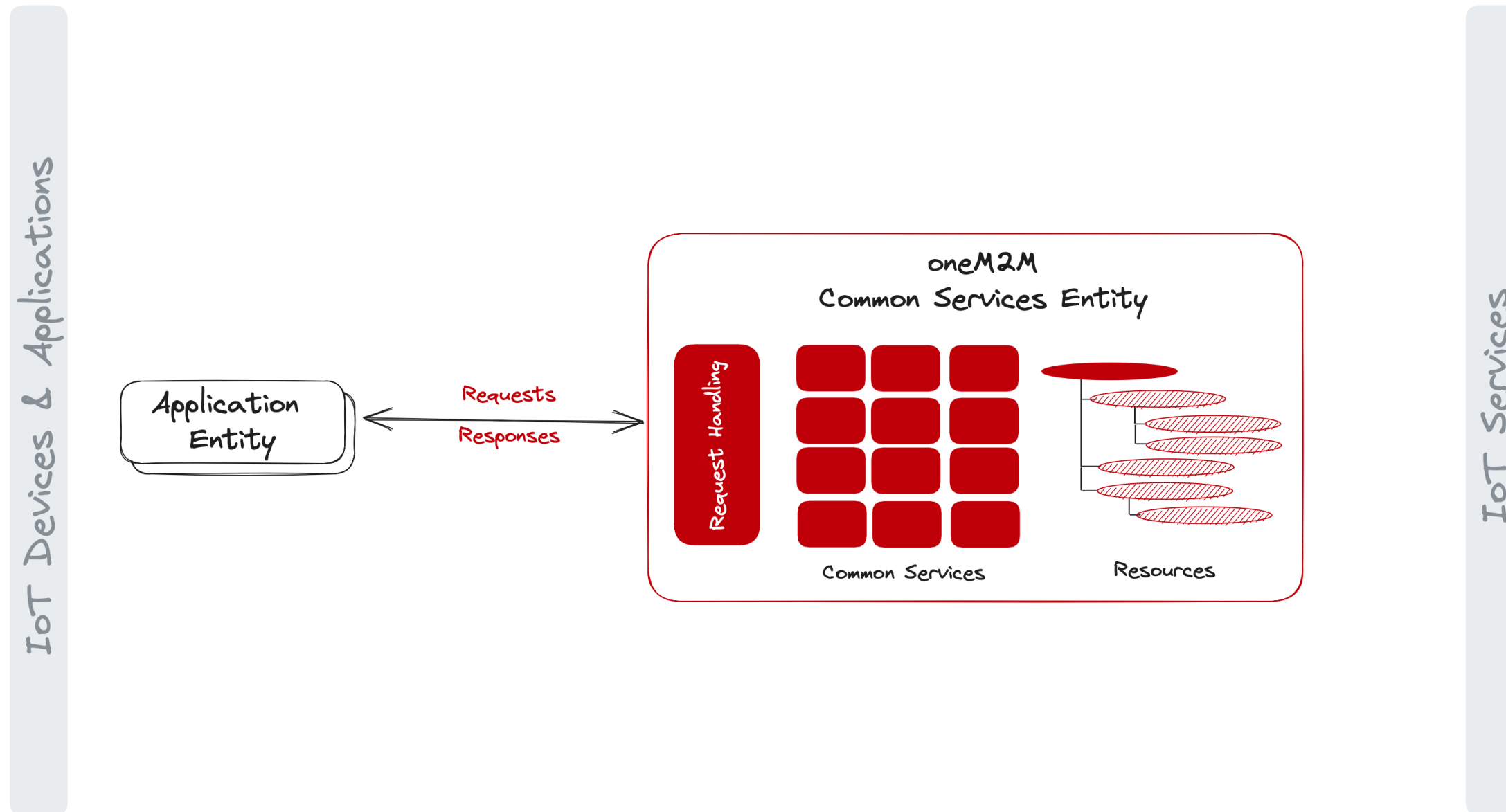
**oneM2M and Open Source Implementations**

**Introduction to the [ACME] oneM2M CSE**

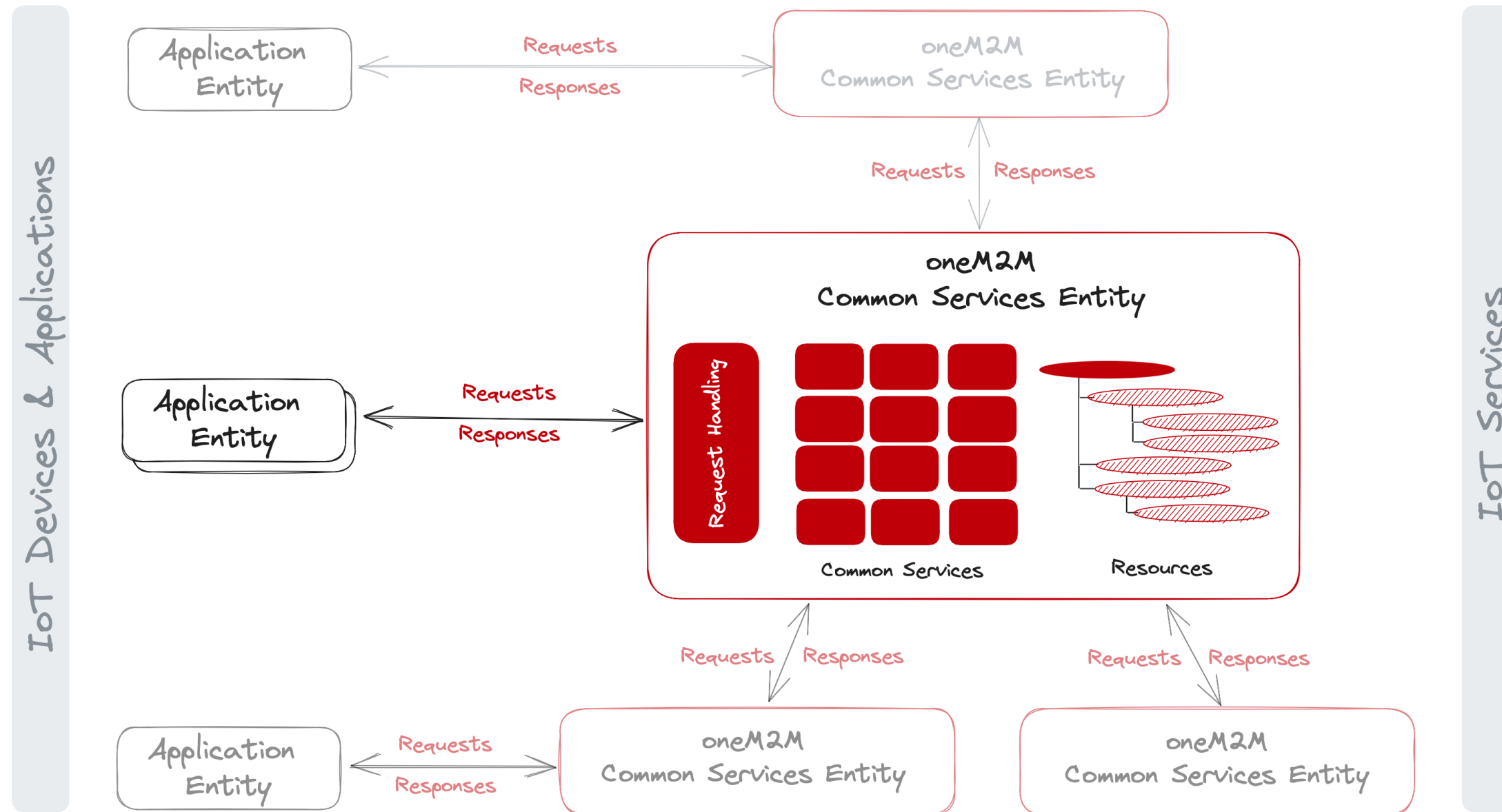
**Live Demo**

**Links and Resources**

# oneM2M Architecture Quick Introduction



# oneM2M Architecture Quick Introduction



# oneM2M Open Source Implementations

## CSE Implementations

- ➔ [ACME] oneM2M CSE
- ➔ KETI Mobius
- ➔ Eclipse OM2M
- ➔ tinyIoT (TBA)

## Software Development Kits

- ➔ ATIS Open Source - IoT
- ➔ Arduino oneM2M connectivity libraries
- ➔ ...

# Introduction to the [ACME] oneM2M CSE

## What

- ➔ Open Source oneM2M CSE implementation
- ➔ Written in Python
- ➔ BSD-3 Clause License
- ➔ Stand-alone, hosted, or embeddable, e.g. in Jupyter Notebooks

## Why

- ➔ Provide a portable and easy-to-use implementation for educational purposes
- ➔ Help to improve the oneM2M standard and test suite
- ➔ Provide a testbed for new oneM2M features

# Live Demo

# Links & Resources

**[ACME] oneM2M CSE**



<https://github.com/ankraft/ACME-oneM2M-CSE>

**Tutorials: Starting with oneM2M**



[https://wiki.onem2m.org/index.php?title=OneM2M\\_Tutorials\\_using\\_Jupyter\\_Notebooks](https://wiki.onem2m.org/index.php?title=OneM2M_Tutorials_using_Jupyter_Notebooks)



**Thank You!**