Project Purpose

- The primary purpose of this project is to create an OM2M Resource Tree.
- This is achieved by creating an Application Entity (AE) named test_AE with a Container (CNT) named test_container inside the AE.
- Also, a container instance inside the test_container is created and the latest data inside the test_container is fetched.

Experiment

- The port is set as 1234 and OM2M version 1.3 is used for this experiment.
- The experiment is divided into four parts, namely:
  - Create an Application Entity (AE).
  - Create a Container (CNT).
  - Create a Container Instance with Data.
  - Fetch the latest data inside the Container (CNT).

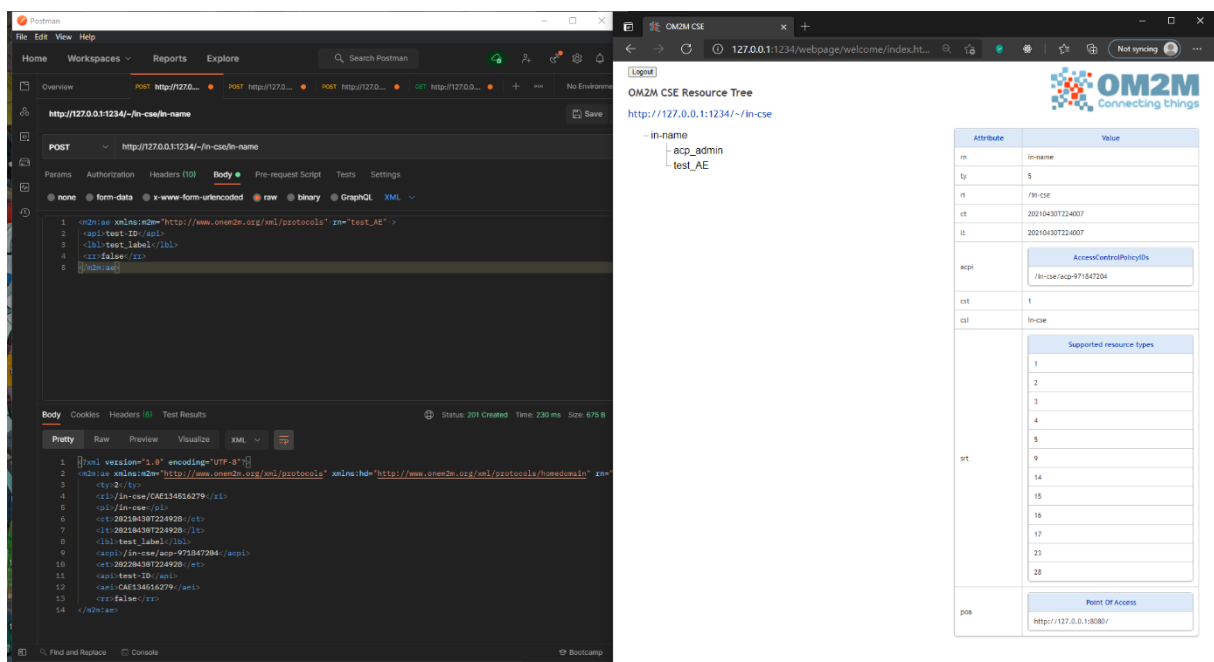## 1. Creating an Application Entity (AE)

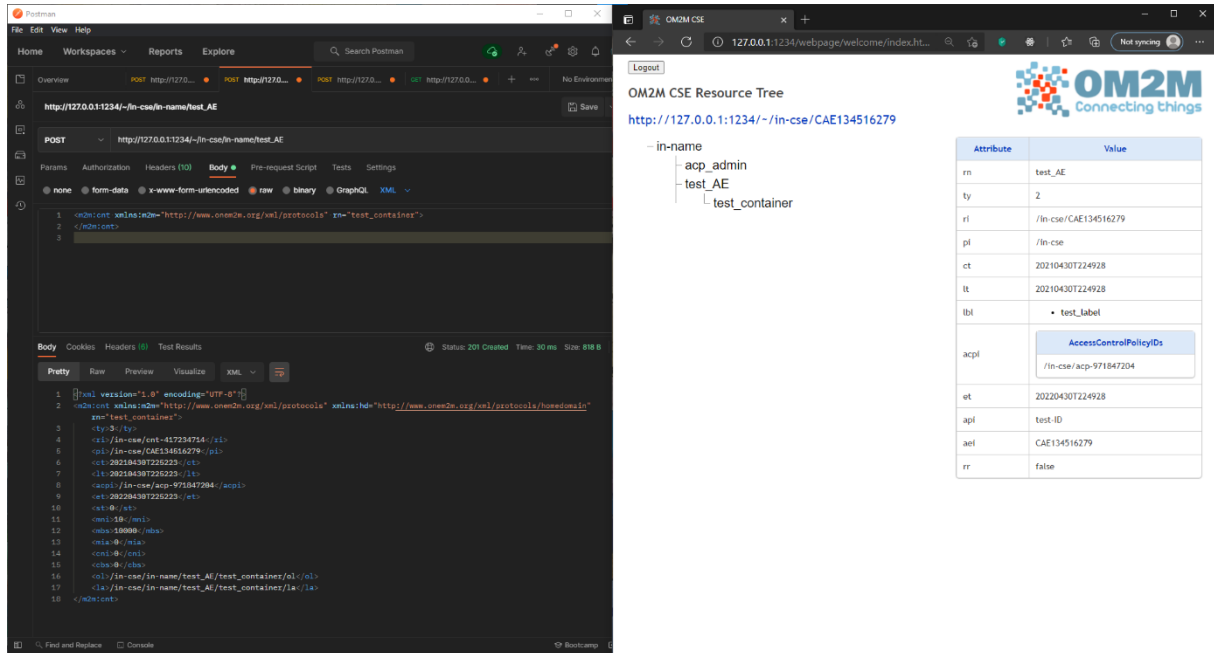*Figure 1 AE Creation: Code and Output*

2. Creating a Container (CNT)

Figure 2 CNT Creation: Code and Output
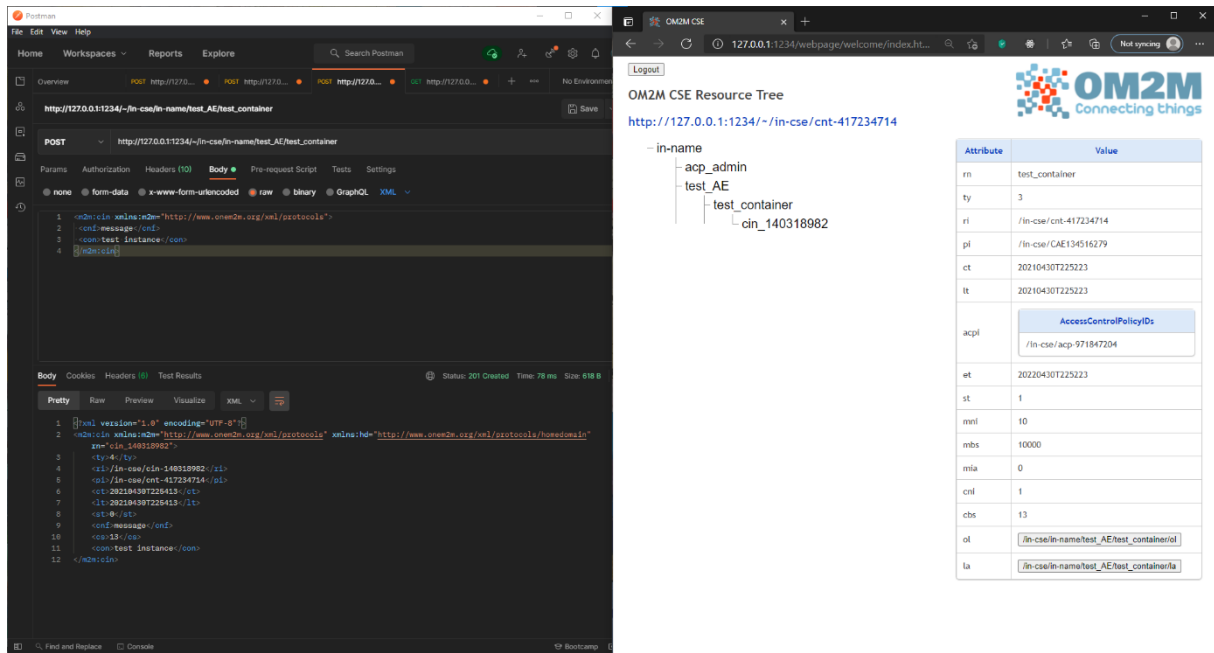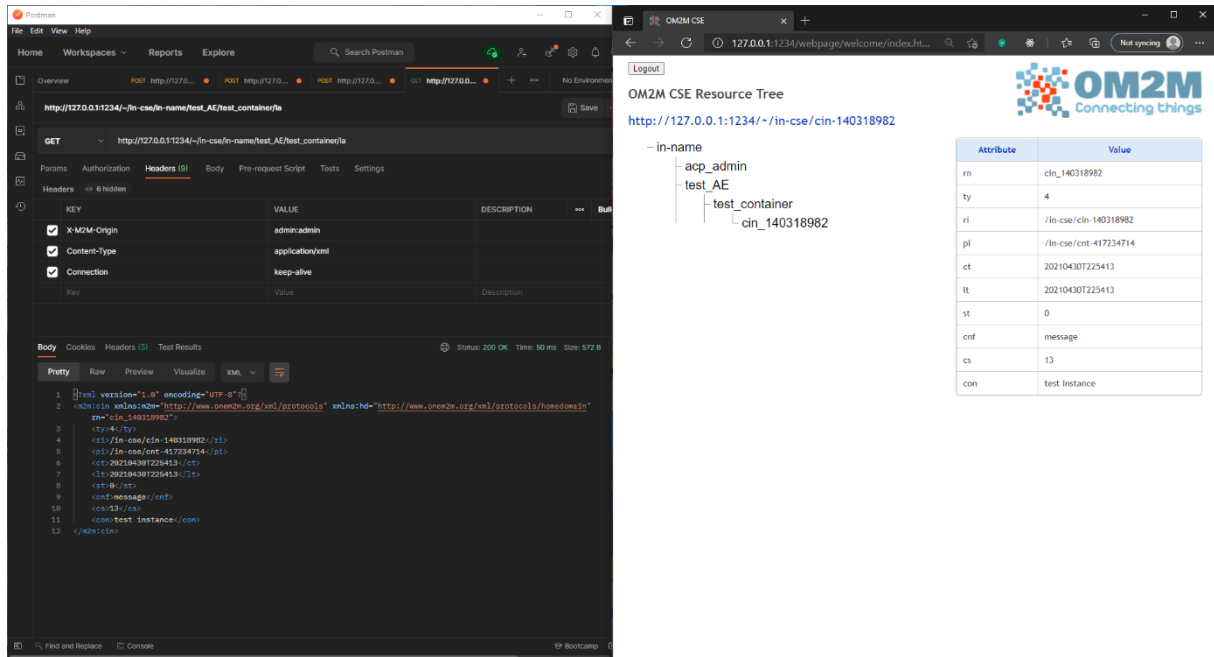
3. Creating a Container Instance with Data.

Figure 3 CNT Instance Creation: Code and Output

4. Fetching the Latest Data inside the Container

Figure 4 Fetching Latest Data from CNT: Code and Output

GitHub upload: [GitHub - sriharshakns/IIITH-Research-Internship-2021-K-N-S-Sri-Harsha](#)

This contains my Video Implementation, Documentation & Code for all goals.