

oneM2M for IoT networks

INTRODUCTION

- oneM2M is a global partnership project founded in 2012.
- oneM2M standard is already adopted at a national level in India to develop the country's 100 Smart Cities plan.
- An open standard that proposes a standardized architecture enabling applications in multiple domains, using a common framework and uniform APIs.
- Improves interoperability with respect to the architecture, API specifications, security and enrollment solutions for Machine-to-Machine and IoT technologies.

METHOD

- Proposed a distributed operating system for all IoT domains.
- oneM2M provides a set of functions known as Common Services Functions (CSFs) needed by IoT applications.
- A globally standardized and vendor independent, uniform APIs helps to build applications independent of underlying communication technology.
- oneM2M defines a horizontal service layer that breaks vertical silos and provides a vendor-independent software middleware between the hardware and IoT applications.

ARCHITECTURE

