How to use oneM2M’s standards to build open and interoperable IoT systems

(7) Access Control

www.oneM2M.org
Access Control of IoT resources

Dashboard

Control

oneM2M Service Layer

Cloud IoT Platform

Street lights in District A

Street lights in District B
Access Control of IoT resources

Dashboard

Control

oneM2M Service Layer

Cloud IoT Platform

oneM2M

AE1

Originator: CstreetLight-AE-1

Street lights in District A

AE2

Originator: CstreetLight-AE-2

Street lights in District B

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Access Control of IoT resources

CREATE <contentInstance>
cse-in/StreetLight-AE-1/Light-Container-1
Originator: CstreetLight-AE-1

Response
Access Control of IoT resources

CREATE <contentInstance>
cse-in/StreetLight-AE-2/Light-Container-2
Originator: CstreetLight-AE-1

Response (Error)

No access
Access Control of IoT resources

Value | Operation
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1 | CREATE
2 | RETRIEVE
4 | UPDATE
8 | DELETE
16 | NOTIFY
32 | DISCOVERY