

ELIOT R4 IOTGateway API documentation

Introduction

As part of this release ELIOT Blueprint are releasing few API's which can be used by other Akraino Blueprints or Non Akraino Blueprints / Projects. The API's given are for the IOT devices and data management(EdgeX), and Application Orchestration & Management (EdgeGallery provided APIs in close proximity with MM1 & MM3) & Service Management API's in compliance with ETSI MEC MP1 (Multi-access Edge Computing (MEC); Edge Platform Application Enablement -https://www.etsi.org/deliver/etsi_gs/MEC/001_099/011/02.01.01_60/gs_MEC011v020101p.pdf).

In this release ELIOT are exposing API's from upstream projects related to :-

1. IOT devices management APIs (EdgeX)
2. IOT data management APIs (EdgeX)
3. IOT system management APIs (EdgeX)
4. Application Orchestration APIs
5. Application Package Management APIs
6. Application Life Cycle Management
7. MEC Service Management.

Note: Above Upstream projects APIs follow OPEN API 3.0.0.

API Definitions

IOT device management API

<https://github.com/edgexfoundry/edgex-go/blob/master/openapi/v1/core-command.yaml>

<https://github.com/edgexfoundry/edgex-go/blob/master/openapi/v1/core-metadata.yaml>

IOT data management API

<https://github.com/edgexfoundry/edgex-go/blob/master/openapi/v1/core-data.yaml>

IOT system management API

<https://github.com/edgexfoundry/edgex-go/blob/master/openapi/v1/system-agent.yaml>

Application Orchestration Interface

http://docs.edgenuity.org/zh_CN/latest/Projects/MECM/Appo_Interfaces_en.html

Application Package Manager Interface

http://docs.edgenuity.org/zh_CN/latest/Projects/MECM/Apm_Interfaces_en.html

Application Lifecycle Management Interface

http://docs.edgenuity.org/zh_CN/latest/Projects/MECM/Applcm_Interfaces_en.html

MEP Service Management Interface

For details please refer:

http://docs.edgenuity.org/zh_CN/latest/Projects/MEP/MEP_Interfaces.html#mep-server