License Manager Interface Control Document

EOEPCA.ICD.xxx

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License Manager Interface Control Document

EO Exploitation Platform Common Architecture
License Manager Interface Control Document
EOEPCA.ICD.xxx

COMMENTS and ISSUES	PDF
If you would like to raise comments or issues on this document, please do so by raising an Issue at the following URL https://github.com/EOEPCA/um-license-manager/issues.	This document is available in PDF format here.
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AMENDMENT HISTORY

This document shall be amended by releasing a new edition of the document in its entirety. The Amendment Record Sheet below records the history and issue status of this document.

Table 1. Amendment Record Sheet

ISSUE	DATE	REASON
0.1	dd/mm/yyyy	Initial in-progress draft

Chapter 1. Introduction

1.1. Purpose and Scope

This document presents the License Manager Interfaces for the Common Architecture. It servers as a complementary document to its corresponding Software Design Document.

Chapter 2. Overview

This Interface Control Document (ICD) is a companion to the System Design Document for the License Manager. The ICD provides a Building Block level specification of the interfaces exposed by the License Manager to the rest of EOEPCA components.

Section [Interfaces]

    Provides the interface specification of the Building Block.

Chapter 3. License Manager Interfaces

Abstract

This OpenAPI Document describes the endpoints exposed by License Building Block deployments. Using this API will allow to update the licenses that the owner has access. This access is protected by OIDC Client, ans SCIM Client components so the End Users resources can be protected using both the Login Service and the Policy Enforcement Point and access them through the Policy Decision Point.

3.1. API Endpoints

3.1.1. GET License

GET /license/<id>

3.1.1.1. Description

This operation returns the Code License associated to an id.

3.1.1.2. Parameters

License ID

3.1.1.3. Return Type

String

3.1.1.4. Responses

Table 2. http response codes

Code	Message	Datatype
200	OK	String
401	Unauthorized	ResponseType
403	Forbidden	ResponseType

3.1.2. POST/PUT License

Insert
POST /licenses/

Update
POST /license/<id>

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3.1.2.1. Description

This operation inserts or updates a License with the required parameters

3.1.2.2. Parameters

The data model is JSON based and will have a template TBD.

3.1.2.3. Return Type

ResponseType,

3.1.2.4. Responses

Table 3. http response codes

Code	Message	Datatype
200	OK	String
400	Bad Request	ResponseType
401	Unauthorized	ResponseType
403	Forbidden	ResponseType

3.1.3. Billing Checks

3.1.3.1. Policy Validation

`GET /license/billing`

3.1.3.1.1. Description

This operation returns the information regarding time and storage consumed by a specific license.

3.1.3.1.2. Parameters

The request must be protected in order to dispose the information of the user that makes the query. This is retrieved through the SCIM Client same as the protection of identity through the OIDC Client. The parameter to retrieve that information may be as UID of the User.

3.1.3.1.3. Return Type

-TBD

3.1.3.1.4. Responses

Table 4. http response codes

Code	Message	Datatype
200	OK	<<>>

3.1.3.1.5. Samples

<< End of Document >>