
**Information technology — Open
Connectivity Foundation (OCF)
Specification —**

**Part 4:
Resource type specification**

*Technologies de l'information — Spécification de la Fondation pour la
connectivité ouverte (Fondation OCF) —*

Partie 4: Spécification des types de ressources

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1 Scope

The OCF Resource Type Specification specifies the Resources that have been defined by OCF that may be exposed by an OCF Device.

Application profile device specifications (for example those created for Smart Home or Healthcare) specify device types appropriate to the profile; such specifications use Resource Type definitions from this document.

This specification is built on top of the OCF Core Specification. The OCF Core Specification specifies the OCF Framework that enables the implementation of profiles for IoT usages and ecosystems. The OCF Core Framework is scalable to support simple devices (constrained device) and more capable devices (smart device).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

OCF Core Specification, *Open Connectivity Foundation Core Specification*, Version 1.0.0.

JSON SCHEMA, *JSON Schema: Core Definitions and Terminology*, Version 4.0,
<http://json-schema.org/latest/json-schema-core.html>.

RAML, *Restful API modelling language*, Version 0.8.
<https://github.com/raml-org/raml-spec/blob/master/versions/raml-08/raml-08.md>

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CIE CIE159:2004, *A colour appearance model for colour management systems: CIECAM02*, January 19, 2004.

http://www.cie.co.at/index.php/Publications/index.php?i_ca_id=435

Swagger2.0, *Swagger RESTful API Documentation Specification*, Version 2.0
<http://swagger.io/specification/>

OCF Resource Type Definitions, *API Definition Language for OCF Resource Type Definitions*, Release OCF-v1.0.0

<https://github.com/OpenInterConnect/IoTDataModels>

3 Terms, definitions, symbols and abbreviations

3.1 Terms and definitions

3.1.1

Actuator

Resource with support of the UPDATE operation.

3.1.2

Composite Resource Type

A Resource Type defined as an OCF Collection of other Resource Types.

3.1.3

Sensor

Resource without support of the UPDATE operation.