Information technology — Open Connectivity Foundation (OCF) Specification —
Part 1: Core specification

Technologies de l’information — Spécification de la Fondation pour la connectivité ouverte (Fondation OCF) —
Partie 1: Spécification du cœur
Foreword

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This document was prepared by the Open Connectivity Foundation (OCF) (as the OCF Core Specification v1.0.0) and drafted in accordance with its editorial rules. It was adopted, under the JTC 1 PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, Information technology.

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1 Scope

The OCF specifications are divided into two sets of documents:

- **Core Specification documents**: The Core Specification documents specify the Framework, i.e., the OCF core architecture, interfaces, protocols and services to enable OCF profiles implementation for Internet of Things (IoT) usages and ecosystems.

- **Vertical Profiles Specification documents**: The Vertical Profiles Specification documents specify the OCF profiles to enable IoT usages for different market segments such as smart home, industrial, healthcare, and automotive. The Application Profiles Specification is built upon the interfaces and network security of the OCF core architecture defined in the Core Specification.

This document is the OCF Core specification which specifies the Framework and core architecture.

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.

IETF RFC 4861, Neighbor Discovery for IP version 6 (IPv6), September 2007
http://www.ietf.org/rfc/rfc4861.txt

IETF RFC 4862, IPv6 Stateless Address Autoconfiguration, September 2007
http://www.ietf.org/rfc/rfc4862.txt

IETF RFC 4941, Privacy Extensions for Stateless Address Autoconfiguration in IPv6, September 2007
http://www.ietf.org/rfc/rfc4941.txt

IETF RFC 4944, Transmission of IPv6 Packets over IEEE 802.15.4 Networks, September 2007
http://www.ietf.org/rfc/rfc4944.txt

IETF RFC 5646, Tags for Identifying Languages, September 2009
http://www.ietf.org/rfc/rfc5646.txt

IETF RFC 5988, Web Linking: General Syntax, October 2010
http://www.ietf.org/rfc/rfc5988.txt

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