



Enabler Release Definition for RESTful Network API for Device Capabilities

Candidate Version 1.0 – 20 Dec 2011

Open Mobile Alliance
OMA-ERELED-REST_NetAPI_DeviceCapabilities-V1_0-20111220-C

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1. Scope

The scope of this document is limited to the Enabler Release Definition of the RESTful Network API for Device Capabilities (REST_NetAPI_DeviceCapabilities) version 1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997,
URL:<http://www.ietf.org/rfc/rfc2119.txt>
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures,
URL:<http://www.openmobilealliance.org/>

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.8, Open Mobile Alliance™,
OMA-ORG-Dictionary-V2_8, URL:<http://www.openmobilealliance.org/>

3. Terminology and Conventions

3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope”, “Release Version Overview” and “Conformance Requirements Notation Details”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in section 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2 Definitions

Enabler Release	Collection of specifications that combined together form an enabler for a service area, e.g. a download enabler, a browsing enabler, a messaging enabler, a location enabler, etc. The specifications that are forming an enabler should combined fulfil a number of related market requirements.
Minimum Functionality Description	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

3.3 Abbreviations

API	Application Programming Interface
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
REST	Representational State Transfer
XML	Extensible Markup Language

4. Release Version Overview

The scope of this enabler release is to specify a RESTful Network API for Device Capabilities using an HTTP protocol binding.

4.1 Version 1.0 Functionality

The RESTful Network API for Device Capabilities defines a REST protocol binding.

5. Document Listing for RESTful Network API for Device Capabilities

This section is normative. As the RESTful Network API for Device Capabilities is a so-called Fast Track enabler release, no separate Requirements Document and Architecture Document deliverables are produced.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[REST_NetAPI_DeviceCapabilities]	OMA-TS-REST_NetAPI_DeviceCapabilities-V1_0-20111220-C	RESTful Network API for Device Capabilities
Supporting Files		
[SUP-XSD_rest_netapi_devicecapabilities]	OMA-SUP-XSD_rest_netapi_devicecapabilities-V1_0-20111220-C	XML schema for the RESTful Network API for Device Capabilities Working file in Schema directory: file: rest_netapi_devicecapabilities-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of Documents in the RESTful Network API for Device Capabilities V1.0 Enabler

6. OMNA Considerations

The REST_NetAPI_DeviceCapabilities enabler introduces the following namespaces.

Note that in order to maintain compatibility between minor versions of the same major version, only the major version is reflected in the namespace identifier. Further note that subsequent minor versions of the same XML schema (e.g. 1.1) will be registered against the same namespace identifier.

Description	Registered URN	Schema Links
Device Capabilities	urn:oma:xml:rest:netapi:devicecapabilities:1	http://www.openmobilealliance.org/tech/profiles/rest_netapi_devicecapabilities-v1_0.xsd

Table 2: OMNA Namespaces

7. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column **MUST** be a valid `ScrItem` according to [SCRRULES].
- Feature/Application:** Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.
- Requirement:** Expression in the column **MUST** be a valid `TerminalExpression` according to [SCRRULES] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

8. ERDEF for REST_NetAPI_Device Capabilities

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-DEVCAP-S-001-M	RESTful Network API for Device Capabilities [REST_NetAPI_DeviceCapabilities]	REST-DEVCAP-SUPPORT-S-001-M

Table 3: ERDEF for the RESTful Network API for Device Capabilities V 1.0

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Version OMA-ERELED- REST_NetAPI_DeviceCapabilities- V1_0	27 Junie 2011	All	Initial draft baseline document
	29 June 2011	Contents	Editorial: sync'ed up Table of Contents with A.2 History.
	20 Sep 2011	Many	Editorial: date changes, referenced TS, SUP file date changes
	21 Sep 2011	Section 5	Editorial: date change for referenced TS
	08 Dec 2011	Many	Editorials, prep for submission to Candidate approval
Candidate Version OMA-ERELED- REST_NetAPI_DeviceCapabilities- V1_0	20 Dec 2011	n/a	Status changed to Candidate by TP TP ref # OMA-TP-2011-0445- INP_REST_NetAPI_DeviceCapabilities_1_0_ERP_and_ETR_for_Candidate_a pproval