Enabler Release Definition for

Authorization Framework for Network APIs

Candidate Version 1.0 – 20 Nov 2013

Open Mobile Alliance

OMA-ERELD-Autho4API-V1_0-20131120-C

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1. Scope

The scope of this document is limited to the Enabler Release Definition of Authorization Framework for Network APIs (Autho4API) version 1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

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2. References

2.1 Normative References

[Autho4API_ER] "Authorization Framework for Network APIs", Version 1.0, Open Mobile Alliance™, OMA-ER-Autho4API-V1_0, URL:http://www.openmobilealliance.org/

[Autho4API_RD] "Authorization Framework for Network APIs Requirements", Version 1.0, Open Mobile Alliance™, OMA-RD-Autho4API-V1_0, URL:http://www.openmobilealliance.org/

[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/

[SUP-XSD_rest_autho4api_url_prefixes] "XML data type definitions for OMA Autho4API 'URL Prefixes for Granted Resources' resource", Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_rest_autho4api_url_prefixes_for_granted_resources-V1_0, URL:http://www.openmobilealliance.org/

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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 sections 7 and 9 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.

3.3 Abbreviations

Autho4API	Authorization Framework for Network APIs
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

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4. Release Version Overview

The scope of this enabler release is to enable a resource owner owning network resources exposed by a RESTful Network API, to authorize third-party applications (desktop, mobile and web applications) to access these resources via that API on the resource owner's behalf.

4.1 Version 1.0 Functionality

The scope of this enabler release is to enable a resource owner owning network resources exposed by a RESTful Network API, to authorize third-party applications (desktop, mobile and web applications) to access these resources via that API on the resource owner's behalf.

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5. Document Listing for Autho4API

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[Autho4API_RD]	OMA-RD-Autho4API-V1_0-20130910-C	Requirement Document for Autho4API Enabler
Enabler Release (including Architecture Document and Technical Specifications		
[Autho4API_ER]	OMA-ER-Autho4API-V1_0-20131120-C	Specification that defines Architecture Document and the protocol for Autho4API that provides control interface between the Autho4API Client and Autho4API Server
Supporting Files		
[SUP-XSD_rest_autho4api_url_prefixes]	OMA-SUP-XSD_rest_autho4api_url_prefixes_for_granted_resources-V1_0-20120327-C	XML data type definitions for OMA Autho4API 'URL Prefixes for Granted Resources' resource Working file in Schema directory: file: rest_autho4api_url_prefixes_for_granted_resources-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of Documents in Autho4API Enabler

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6. OMNA Considerations

The Autho4API enabler introduces the following namespaces.

Description	Registered URN	Schema Links
URL Prefixes for Granted Resources’	urn:oma:xml:rest:autho:redirectEndpoint:1	http://www.openmobilealliance.org/tech/profiles/rest_autho4api_url_prefixes_for_granted_resources-v1_0.xsd

Table 2: OMNA Namespaces

The Autho4API enabler defines the OMNA Autho4API Scope Value registry [Autho4API_ER].

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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.

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8. ERDEF for Autho4API - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-<CLI-C-001-M	Autho4API Client	Autho4API-CLI-C: MCF

Table 3: ERDEF for Autho4API Client-side Requirements

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9. ERDEF for Autho4API - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-AUTH-S-001-M	Autho4API Authorization Server	Autho4API-AUTH-S: MSF
OMA-ERDEF-ACCESS-S-001-M	Autho4API Access Control Server	Autho4API-ACCESS-S: MSF

Table 4: ERDEF for Autho4API Server-side Requirements

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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 Versions OMA-ERELD-Autho4API-V1_0	09 Nov 2011	All	Incorporates input to committee: OMA-ARC-Autho4API-2011-0058R01-INP_Autho4API_ERELD_Baseline
	30 Nov 2011	many	Editorial changes as preparation for the CONRR
	19 Jan 2012	3.3	Incorporated: OMA-ARC-Autho4API-2012-0004-CR_To_address_CONRR_comment_C004
	15 Feb 2012	5, 6, 8. 9	Incorporated: OMA-ARC-Autho4API-2012-0028-CR_CONR_C006_C007_C008_Requirements_Definition OMA-ARC-Autho4API-2012-0033-CR_CONR_C005
	29 Feb 2012	5	Updated Permanent Document References Editorial changes
	13 Mar 2012	5	Updated Permanent Document References
Candidate Version OMA-ERELD-Autho4API-V1_0	27 Mar 2012	5	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0124-INP_Autho4API_1_0_ERP_and_ETR_for_Candidate_Approval
Draft Version OMA-ERELD-Autho4API-V1_0	08 Aug 2013	2, 5, 6	Incorporated CR: OMA-ARC-SEC-2013-0014-CR_Add_Scope_Value_registry_to_Autho4API_1_0_ERELD Updated Permanent Document References Editorial changes
Candidate Version OMA-ERELD-Autho4API-V1_0	10 Sep 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0243-INP_Autho4API_V1_0_ERP_and_ETR_for_Candidate_re_approval
Draft Version OMA-ERELD-Autho4API-V1_0	19 Nov 2013	5	Updated Permanent Document References
Candidate Version OMA-ERELD-Autho4API-V1_0	20 Nov 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0376-INP_Autho4API_V1_0_ERP_for_Notification

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