

Registry API

This page provides all the necessary information to interact with the OMA Registry, also called OMNA (OMA Naming Authority).

Base URL for this Registry API

<http://www.openmobilealliance.org/api/>

OMA LwM2M Registry API Functions, V1

This table list what functions are available on the OMA LwM2M Registry API version 1.

This API provide access to the content on the LwM2M Registry.

Basic Function	URL	Description
Objects Discovery	lwm2m/v1/Object	Retrieve a JSON file containing all the metadata information on all the Object Versions.
	lwm2m/v1/Object?ObjectVersion=latest	Retrieve a JSON file containing all the metadata information with the latest version of the Objects
Get an Object	lwm2m/v1/Object?ObjectID=12	Retrieve a JSON file containing metadata information on Object 12
	lwm2m/v1/Object?ObjectID=12&ObjectVersion=latest	Retrieve a JSON file containing metadata information with the latest version of Object 12.
	lwm2m/v1/Object?ObjectID=12&ObjectVersion=1.0	Retrieve a JSON file containing metadata information on Object Version 1.0 of Object 12.

Note: In case of ObjectVersion is included with different value than "latest" then ObjectID must be included.

Error Codes

HTTP Code	Error Description
400	ObjectID must be included when ObjectVersion is set to "latest".
404	Specified ObjectID and/or ObjectVersion is not in the Registry.

Metadata Information

This is the metadata information that will be available via this API. This information is not the content of the Object but the metadata information that defines or classifies the Object itself in our system.

Element	Description
<Description>	Description of the Object.
<Label>	Who has defined the Object: 0 = defined by OMA 1 = defined by external Standards Development Organization 2 = private or individual registration
<Name>	Object Name.
<ObjectID>	Object ID.
<ObjectLink>	URL to the xml file describing the Object.
<ObjectLinkVisible>	0 => if the link to the Object should not be visible, 1 => if link to the Object should be visible,

<SpecLink>	URL to the Technical Specifications (TS)
<SpecLinkVisible>	• 0 => if the link to the TS should not be visible, • 1 => if the link to the TS should be visible
<URN>	Object unique URN
<Owner>	Name of the organization that has registered the Object
<Ver>	Version of the Object
<VortoLink>	URL to this object in Vorto