



Enabler Release Definition for LwM2M BinaryAppDataCont

Approved Version: 1.0.2 - 2024-03-12

Open Mobile Alliance

OMA-ERELD-LWM2M_BinaryAppDataCont-V1_0_2-20240312-A

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1. Scope

The scope of this document is limited to the Enabler Release Definition of LwM2M BinaryAppDataCont according to OMA Release process and the Enabler Release specification baseline listed in section [5. Document Listing for LwM2M BinaryAppDataCont V1.0.2](#).

2. References

2.1. Normative References

| | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [BinaryAppDataCont_TS] | "Lightweight M2M – Binary App Data Container", Version 1.0.2, Open Mobile Alliance, OMA-TS-LWM2M_BinaryAppDataContainer-V1_0_2, URL: http://www.openmobilealliance.org/ |
| [BCP 14] | "Key words for use in RFCs to Indicate Requirement Levels", B. Leiba, May 2017, URL: https://www.rfc-editor.org/info/bcp14 |
| [RFC2119] | "Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, URL: https://www.rfc-editor.org/rfc/rfc2119.txt |
| [RFC8174] | "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", B. Leiba, May 2017, URL: https://www.rfc-editor.org/rfc/rfc8174.txt |
| [SCRRULES] | "SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL: http://www.openmobilealliance.org/ |

Table: 2.1.-1 Normative References

2.2. Informative References

| | |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [OMADICT] | "Dictionary for OMA Specifications", Version 2.9, Open Mobile Alliance, OMA-ORG-Dictionary-V2_9, URL: http://www.openmobilealliance.org/ |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Table: 2.2.-1 Informative References

3. Terminology and Conventions

3.1. Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] [RFC8174] when, and only when, they appear in all capitals, as shown here.

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 the section [7. API Considerations](#) to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2. Definitions

| | |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BinaryAppDataCont | Binary Application Data Container |
| 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. |

Table: 3.2.-1 Definitions

3.3. Abbreviations

| | |
|--------------|--------------------------------|
| ERDEF | Enabler Requirement Definition |
| ERELD | Enabler Release Definition |
| OMA | Open Mobile Alliance |
| OMNA | Open Mobile Naming Authority |

Table: 3.3.-1 Abbreviations

4. Release Version Overview

The present Enabler Release enables to transfer Application Data with the Lightweight M2M enabler in order to manage application service data on the device.

4.1. Version 1.0 Functionality

Version 1.0 of the specification covers:

1. LwM2M Client reports application data to LwM2M Server.
2. LwM2M Server sends application data to LwM2M Client.

5. Document Listing for LwM2M BinaryAppDataCont V1.0.2

| Doc Ref | Permanent Document Reference | Description |
|------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [BinaryAppDataCont_TS] | OMA-TS-LWM2M_BinaryAppDataContainer-V1_0_2-20240312-A | Technical Specification for LwM2M BinaryAppDataContainer Object |
| [LWM2M_BinaryAppDataContainer_XML] | OMA-SUP-LWM2M_BinaryAppDataContainer-V1_0_2-20240312-A | XML document for LightweightM2M BinaryAppDataContainer Object Working file in LWM2M_XML directory: File: LwM2M_BinaryAppDataContainer-v1_0_2.xml Path: http://www.openmobilealliance.org/tech/profiles |

Table: 5.-1 Document Listing for LwM2M BinaryAppDataCont V1.0.2

6. OMNA Considerations

The present Enabler Release consists of a new LwM2M Object. This LwM2M Object will be registered with the OMNA LwM2M Object registry.

| Object URN Identifier | Organization | Object Specification URL | Description |
|-----------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| urn:oma:lwm2m:oma:19 | OMA | "Object Binary App Data Container Technical Specification", Version 1.0.2, Open Mobile Alliance, OMA-TS-LWM2M_BinaryAppDataContainer-V1_0_2, URL: http://www.openmobilealliance.org/ | LwM2M BinaryAppDataContainer Object |

Table: 6.-1 OMNA Considerations

7. API Considerations

Not Applicable.

Appendix A. Change History (Informative)

A.1 Approved Version History

| Reference | Date | Description |
|------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0-20180615-A | 15 Jun 2018 | Status changed to Approved by DM Doc Ref # OMA-DM&SE-2018-0061- INP_LWM2M_APPDATA_V1_o_ERP_for_final_Approval |
| OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0_1-20190221-A | 21 Feb 2019 | Status changed to Approved by IPSO WG Doc Ref # OMA-IPSO-2019-0025- INP_Lwm2M_Object_App_Data_Container_1_0_1_for_Final_Approval |
| OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0_2-20240312-A | 12 Mar 2024 | Status changed to Approved by DMSO WG on March 12th. |

Table: A.1-1 Approved Version History