



OMA Management Object for SIMPLE Presence

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Contents

1.	SCOPE	4
2.	REFERENCES	5
2.1	NORMATIVE REFERENCES	5
2.2	INFORMATIVE REFERENCES	5
3.	TERMINOLOGY AND CONVENTIONS	6
3.1	CONVENTIONS	6
3.2	DEFINITIONS	6
3.3	ABBREVIATIONS	6
4.	INTRODUCTION	7
5.	OMA SIMPLE PRESENCE MANAGEMENT OBJECT	8
5.1	MANAGEMENT OBJECT TREE	8
5.2	MANAGEMENT OBJECT PARAMETERS	8
5.2.1	Node: /<X>	9
5.2.2	Node: /<X>/NAME	9
5.2.3	Node: /<X>/ProviderID	9
5.2.4	Node: /<X>/ToConRef	9
5.2.5	Node: /<X>/ToConRef/<X>	10
5.2.6	Node: /<X>/ToConRef/<X>/ConRef	10
5.2.7	Node: /<X>/CLIENT-OBJ-DATA-LIMIT	10
5.2.8	Node: /<X>/CONTENT-SERVER-URI	10
5.2.9	Node: /<X>/SOURCE-THROTTLE-PUBLISH	11
5.2.10	Node: /<X>/MAX-NUMBER-OF-PRESENCE-SUBSCRIPTIONS	11
5.2.11	Node: /<X>/MAX-NUMBER-OF-SUBSCRIPTIONS-IN-PRESENCE-LIST	11
5.2.12	Node: /<X>/SERVICE-URI-TEMPLATE	11
5.2.13	Node: /<X>/Ext	12
APPENDIX A.	CHANGE HISTORY (INFORMATIVE)	13
A.1	APPROVED VERSION HISTORY	13

Figures

Figure 1:	The OMA PRESENCE Management Object tree	8
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1. Scope

This document defines the OMA PRESENCE Management Object (MO). The MO is defined using the OMA DM Device Description Framework.

2. References

2.1 Normative References

- [OMA-DM] “Enabler Release Definition for OMA Device Management, Version 1.2”, Open Mobile Alliance™, OMA-ERELD-DM-V1_2, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA-SyncML-DMStdObj-V1-1-2] "SyncML Device Management Standardized Objects", Version 1.1.2, Open Mobile Alliance™, OMA-SyncML-DMStdObj-V1_1_2, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA-SyncML-DMTND-V1-1-2] "SyncML Device Management Tree and Description", Version 1.1.2, Open Mobile Alliance™, OMA-SyncML-DMTND-V1_1_2, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [DMTND] “SyncML Device Management Tree and Description”, Version 1.1.2, Open Mobile Alliance™, OMA-SyncML-DMTND-V1_1_2, 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](http://www.ietf.org/rfc/rfc2119.txt)

2.2 Informative References

- [IOPPROC] “OMA Interoperability Policy and Process”, Version 1.3, Open Mobile Alliance™, OMA-IOP-Process-V1_3, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [PRESRD] “Presence SIMPLE Requirements”, Version 1.0, Open Mobile Alliance™, OMA-RD-Presence_SIMPLE-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [PRESAD] “Presence SIMPLE Architecture Document”, Version 1.0.1, Open Mobile Alliance™, OMA-AD-Presence_SIMPLE-V1_0_1, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [PRESSPEC] “Presence SIMPLE Specification”, Version 1.0.1, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE-V1_0_1, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [XDMSPEC] “XML Document Management Specification”, Version 1.0.1, Open Mobile Alliance™, OMA-TS-XDM_Core-V1_0_1, [URL:http://www.openmobilealliance.org/](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” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

See the DM Tree and Description [DMTND] document for definitions of terms related to the management tree.

3.3 Abbreviations

DM	Device Management
GAA	Generic Authentication Architecture
HTTP	Hyper Text Transfer Protocol
MIME	Multipurpose Internet Mail Extensions
MO	Management Object
OMA	Open Mobile Alliance
SIP	Session Initiation Protocol
UE	User Equipment
URI	Uniform Resource Identifier
XML	eXtensible Markup Language

4. Introduction

This document describes the OMA PRESENCE management object syntax that allows configuration deployment to OMA presence clients.

5. OMA SIMPLE Presence Management Object

This subclause defines the mobile device Management Object (MO) for OMA SIMPLE Presence. The MO is used for continuous provisioning, which allows the service provider to update any parameter defined in the MO tree for service configurations during service deployment. Also, the AC file SHALL use an equivalent list of parameters for initial provisioning.

The OMA PRESENCE Management Object consists of relevant parameters required by [PRESRD]. It is defined using the OMA DM Device Description Framework as described in [OMA-SyncML-DMTND-V1-1-2] and [OMA-SyncML-DMStdObj-V1-1-2].

The Management Object Identifier is: org.openmobilealliance/1.0/PRESENCE

Protocol compatibility: This MO is compatible with OMA DM 1.1.2 or higher [OMA-DM].

Management object name: OMA_PRESENCE

5.1 Management Object Tree

Figure 1 shows the nodes and leaf objects for PRESENCE continuous provisioning:

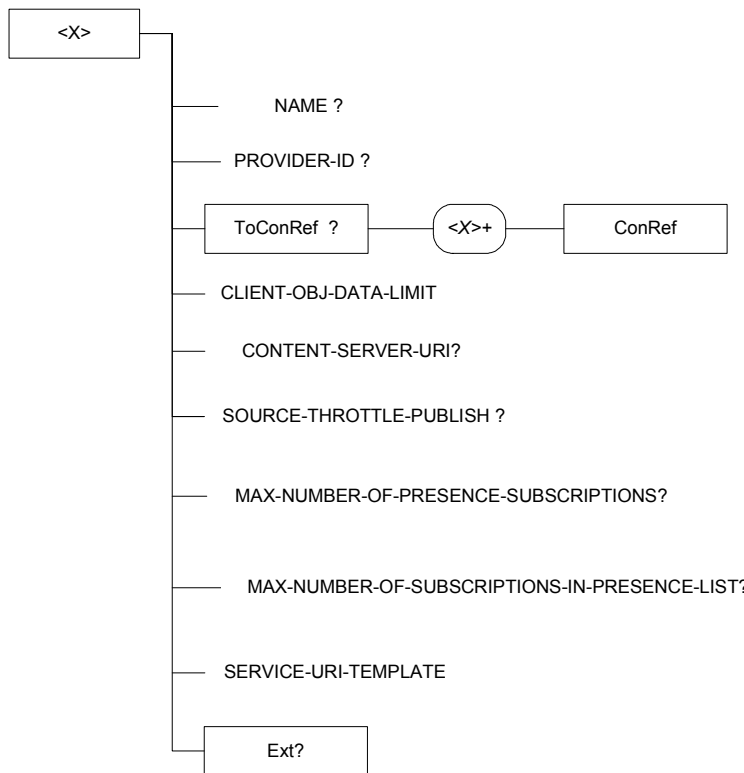


Figure 1: The OMA PRESENCE Management Object tree

5.2 Management Object Parameters

This section describes the parameters for the OMA PRESENCE Management Object.

5.2.1 Node: /<X>

This interior node acts as a placeholder for one or more accounts for a fixed node.

- Occurrence: OneOrMore
- Format: Node
- Access Types: Get
- Values: N/A
- Status: Mandatory

The interior node is mandatory if the UE supports OMA PRESENCE.

5.2.2 Node: /<X>/NAME

The Name leaf is the application name, which is to be displayed in the user's equipment. It is specific for each service provider.

- Occurrence: ZeroOrOne
- Format: Chr
- Access Types: Get
- Values: <User displayable name>
- Status: Optional

5.2.3 Node: /<X>/ProviderID

This parameter provides an identifier for the provider of this service.

- Occurrence: ZeroOrOne
- Format: Chr
- Access Type: Get
- Values: N/A
- Status: Optional

5.2.4 Node: /<X>/ToConRef

The ToConRef interior node is used to allow an application to refer to a collection of connectivity definitions. Several connectivity parameters may be listed for a give application under this interior node.

- Occurrence: ZeroOrOne
- Format: Node
- Access Type: Get
- Values: N/A
- Status: Optional

5.2.5 Node: /<X>/ToConRef/<X>

This run-time node acts as a placeholder for one or more connectivity parameters.

- Occurrence: OneOrMore
- Format: Node
- Access Type: Get
- Value: N/A
- Status: Optional

5.2.6 Node: /<X>/ToConRef/<X>/ConRef

The ConRef leaf indicates the linkage to connectivity parameters. This parameter provides an identifier for the application service access point described by an APPLICATION characteristic, in this case the NAP ID and the SIP/IP core.

- Occurrence: One
- Format: Chr
- Access Type: Get
- Value: Relative URI
- Status: Optional

5.2.7 Node: /<X>/CLIENT-OBJ-DATA-LIMIT

This parameter defines the maximum size of the MIME object in SIP PUBLISH.

- Occurrence: One
- Format: Integer
- Access Type: Get
- Value: N/A
- Status: Mandatory

5.2.8 Node: /<X>/CONTENT-SERVER-URI

This parameter defines the HTTP URI of the content server to be used for content indirection.

- Occurrence: ZeroOrOne
- Format: Char
- Access Type: Get
- Value: <A HTTP URI>
- Status: Optional

5.2.9 Node: /<X>/SOURCE-THROTTLE-PUBLISH

This parameter defines the minimum time interval (in seconds) between two consecutive publications from a Presence Source.

- Occurrence: ZeroOrOne
- Format: Integer
- Access Type: Get
- Value: N/A
- Status: Optional

5.2.10 Node: /<X>/MAX-NUMBER-OF-PRESENCE-SUBSCRIPTIONS

This parameter limits the number of presence subscriptions.

- Occurrence: ZeroOrOne
- Format: Integer
- Access Type: Get
- Value: N/A
- Status: Optional

5.2.11 Node: /<X>/MAX-NUMBER-OF-SUBSCRIPTIONS-IN-PRESENCE-LIST

This parameter limits the number of back-end subscriptions allowed for a presence list.

- Occurrence: ZeroOrOne
- Format: Integer
- Access Type: Get
- Value: N/A
- Status: Optional

5.2.12 Node: /<X>/SERVICE-URI-TEMPLATE

The Service URI Template specifies the syntax of the service URI. The Service URI Template SHALL be a URI Template as specified in [XDMSPEC].

- Occurrence: ZeroOrOne
- Format: Chr
- Access Type: Get
- Value: <A SIP URI>
- Status: Optional

5.2.13 Node: /<X>/Ext

The Ext is an interior node where the vendor-specific information about the OMA PRESENCE MO is placed (vendor means application vendor, device vendor etc.). Usually the vendor extension is identified by a vendor-specific name under the ext node. The tree structure under the vendor identified is not defined and can therefore include a non-standardized sub-tree.

- Occurrence: ZeroOrOne
- Format: Node
- Access Type: Get
- Value: N/A
- Status: Optional

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-TS-Presence_SIMPLE_MO-V1_0-20060725-A	25 Jul 2006	TP approved: OMA-TP-2006-0223R04-INP_Presence_SIMPLE_V1_0_for_final_approval
OMA-TS-Presence_SIMPLE_MO-V1_0_1-20061128-A	28 Nov 2006	Editorial changes ref. updates from 1.0 to 1.0.1