



# OMA Management Object for Presence SIMPLE

Approved Version 1.1.1 – 25 Feb 2010

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**Open Mobile Alliance**

OMA-TS-Presence\_SIMPLE\_MO-V1\_1\_1-20100225-A

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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

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- [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,  
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- [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 1.9, Open Mobile Alliance™, OMA-ORG-IOP\_Process-V1\_9,  
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- [XDMSPEC] “XML Document Management Specification”, Version 1.1, Open Mobile Alliance™. OMA-TS-XDM\_Core-V1\_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

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

## 4. Introduction

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

## 5. OMA Presence SIMPLE Management Object

This subclause defines the mobile device Management Object (MO) for OMA Presence SIMPLE. 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 SIMPLE 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].

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:

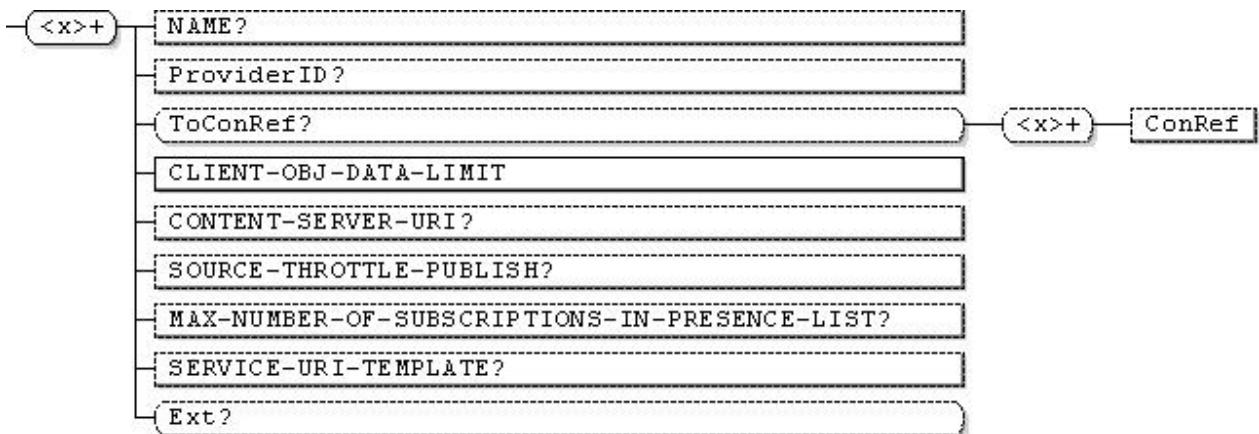


Figure 1: The OMA Presence SIMPLE Management Object tree

### 5.2 Management Object Parameters

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

#### 5.2.1 Node: /<x>

<x>

Status	Tree Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

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

The Management Object Identifier is: “org.openmobilealliance/1.1/PRESENCE”.

#### 5.2.2 Node: /<x>/NAME

NAME



Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

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

### 5.2.3 Node: /<x>/ProviderID

#### ProviderID

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

The ProviderID leaf node provides an identifier for the provider of this service

### 5.2.4 Node: /<x>/ToConRef

#### ToConRef

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get

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 given application under this interior node.

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

#### ToConRef/<X>

Status	Tree Occurrence	Format	Min. Access Types
Optional	OneOrMore	node	Get

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

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

#### ToConRef/<X>/ConRef

Status	Tree Occurrence	Format	Min. Access Types
Optional	One	chr	Get

The ConRef leaf node 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. Possible value is a relative URI.

## 5.2.7 Node: /<x>/CLIENT-OBJ-DATA-LIMIT

### CLIENT-OBJ-DATA-LIMIT

Status	Tree Occurrence	Format	Min. Access Types
Required	One	int	Get

This parameter defines the maximum size of the MIME object in SIP PUBLISH requests. When the PS does not support the MIME objects as direct content of SIP PUBLISH requests, this parameter is set to zero.

## 5.2.8 Node: /<x>/CONTENT-SERVER-URI

### CONTENT-SERVER-URI

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

This parameter defines the HTTP URI of the content server to be used for content indirection. Possible value is an HTTP URI.

## 5.2.9 Node: /<x>/SOURCE-THROTTLE-PUBLISH

### SOURCE-THROTTLE-PUBLISH

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	int	Get

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

## 5.2.10 Node: /<x>/MAX-NUMBER-OF-SUBSCRIPTIONS-IN-PRESENCE-LIST

### MAX-NUMBER-OF-SUBSCRIPTIONS-IN-PRESENCE-LIST

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	int	Get

This parameter limits the number of back-end subscriptions allowed for a Presence List.

## 5.2.11 Node: /<x>/SERVICE-URI-TEMPLATE

### SERVICE-URI-TEMPLATE

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

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

## 5.2.12 Node: /<x>/Ext

### Ext

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get

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.

## 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
	28 Nov 2006	Editorial changes ref. updates from 1.0 to 1.0.1
	23 Nov 2007	CRs incorporated: OMA-PAG-2007-0715 OMA-PAG-2007-0823R01
OMA-TS-Presence_SIMPLE_MO-V1_1-20071212-D	12 Dec 2007	Editorial changes
Candidate version OMA-TS-Presence_SIMPLE_MO-V1_0-20060725-C	28 Jan 2008	Status changed to Candidate by TP TP ref # OMA-TP-2007-0506R02- INP_Presence_Simple_V1_1_for_Candidate_approval
Draft version OMA-TS-Presence_SIMPLE_MO-V1_1	09 Apr 2008	Status changed to Draft Incorporated CRs: OMA-PAG-2008-0116 OMA-PAG-2008-0140
Approved version OMA-TS-Presence_SIMPLE_MO-V1_1	27 Jun 2008	Status changed to Approved by TP TP ref# OMA-TP-2008-0250- INP_Presence_SIMPLE_V1_1_ERP_for_Final_Approval
Draft versions OMA-TS-Presence_SIMPLE_MO-V1_1_1	10 Sep 2009	Status changed to Draft Incorporated CR: OMA-PAG-2009-0290
	15 Sep 2009	Re-application of CR OMA-PAG-2009-0290
Approved version OMA-TS-Presence_SIMPLE_MO-V1_1_1	25 Feb 2010	Status changed to Approved by TP TP ref# OMA-TP-2010-0110- INP_Presence_SIMPLE_V1_1_1_ERP_for_notification