Converged Address Book Management Object
Approved Version 1.0 – 13 Nov 2012

Open Mobile Alliance
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1. **Scope**

This document defines the OMA CAB Management Object (MO). The MO is defined using the OMA Device Description Framework.
2. References

2.1 Normative References

[CAB AD] “Converged Address Book Architecture”, Version 1.0, Open Mobile Alliance™, OMA-AD-CAB-V1_0, URL: http://www.openmobilealliance.org/


2.2 Informative References
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

<table>
<thead>
<tr>
<th>CAB Client</th>
<th>See [CAB AD]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Object</td>
<td>See [OMA DM TND]</td>
</tr>
</tbody>
</table>

3.3 Abbreviations

<table>
<thead>
<tr>
<th>DM</th>
<th>Device Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO</td>
<td>Management Object</td>
</tr>
<tr>
<td>OMA</td>
<td>Open Mobile Alliance</td>
</tr>
</tbody>
</table>
4. Introduction

This document describes the configuration parameters and associated management object syntax that allows configuration of OMA CAB Client(s).

4.1 Version 1.0

The CAB MO Version 1.0 aims to provide the configuration parameters for the CAB Client.

The CAB MO Version 1.0 can be used for CAB 1.0 Enabler.
5. OMA CAB Management Object

This subclause defines the Management Object (MO) for OMA CAB. The MO SHOULD be used for initial provisioning of parameters when the DM Profile is to be used, and the MO SHOULD be used for continuous provisioning, which allows the service provider to update any parameter defined in the MO tree for service configurations during service deployment [DM_ERELD].

The OMA CAB Management Object consists of relevant parameters for configuration of CAB Client(s). It is defined using the OMA DM Device Description Framework as described in [OMA DM TND] and [OMA DM SO].

The Management Object Identifier is: urn:oma:mo:oma-cab:1.0

Protocol compatibility: This MO is compatible with OMA DM 1.2 (see [DM ERELD]).

Management object name: OMA_CAB

5.1 Management Object Tree

This section describes the Management Object tree (i.e. nodes and leaf objects) for provisioning of OMA CAB Client(s).

Figure 1 shows the interior nodes and leaf objects defined under the OMA_CAB node, which is used for configuration of CAB Clients.

Figure 1: The OMA CAB Management Object tree
5.2 Management Object Parameters

This section describes the parameters for OMA CAB MO.

5.2.1 Node: /<x>

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>OneOrMore</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This interior node represents the unique object id of a Converged Address Book Management Object, or CAB MO. The purpose of this interior node is to group together the parameters of a single CAB MO object. The ancestor elements of this node define the position in the management tree of the CAB MO.

The Management Object Identifier is: “urn:oma:mo:oma-cab:1.0”

The interior node is mandatory if OMA CAB is supported.

5.2.2 Node: /<x>/<x>

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>OneOrMore</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This node is a placeholder for the CAB-Rel list. There SHALL be one or more of these nodes, each containing a CAB-Rel parameter/leaf node. This allows for multiple CAB-Rel values to be associated with the CAB MO.

5.2.3 Node: /<x>/<x>/CAB-Rel

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node specifies the version of the CAB Release information supported by the CAB Client.

5.2.4 Node: /<x>/CAB-Provider-Name

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>ZeroOrOne</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node provides an identifier for the service provider of this CAB service, which is expected to be globally unique.
5.2.5  **Node: /<x>/CABServer**

CABServer

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This interior node represents a container for configuring CAB Server related properties.

5.2.6  **Node: /<x>/CABServer/ToDSRef**

CABServer/ToDSRef

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node specifies a reference to DS MO as defined in [DS MO] that is used to configure the DS client associated with the CAB Client. The referenced DS management object is either an existing instance on the client device or an instance specific to this CAB MO.

The value SHALL be a valid reference to a DS Management Object.

5.2.7  **Node: /<x>/CABXDM**

CABXDM

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
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<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This interior node represents a container for configuring CAB XDMS related properties.

5.2.8  **Node: /<x>/CABXDM/ToXDMRef**

CABXDM/ToXDMRef

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node specifies a reference to XDM MO as defined in [XDM MO] that is used to configure the XDM Client associated with the CAB Client. The referenced XDM management object is either an existing instance on the client device or an instance specific to this CAB MO.

The value SHALL be a valid reference to a XDM Management Object.
5.2.9 Node: /<x>/CAB-Notifications

CAB-Notifications

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This interior node represents a container for configuring CAB Notification information.

5.2.10 Node: /<x>/CAB-Notifications/NotificationType

CAB-Notifications/NotificationType

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>One</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node indicates the type of notification supported by the CAB Client i.e. either SIP or non-SIP notifications.

The value SHALL be a one of the following enumerations: ‘SIP’, ‘non-SIP’

5.2.11 Node: /<x>/CAB-Notifications/NotificationInfo

CAB-Notifications/NotificationInfo

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>One</td>
<td>chr</td>
<td>Get</td>
</tr>
</tbody>
</table>

This parameter/leaf node provides additional notification information subject to the notification type (See 5.2.10 ‘NotificationType’). If the notification type is SIP, this parameter is not used since the information related to SIP notifications is provide in the XDM MO reference parameter (See 5.2.8 ‘ToXDMRef’). If the notification type is non-SIP, this parameter SHALL be used to configure the Push Client associated with the CAB Client, and the value SHALL contain a reference to the OMA PUSH MO [PUSH MO]. The referenced PUSH management object is either an existing instance on the client device or an instance specific to this CAB MO.

The value SHALL be a valid reference to a OMA PUSH Management Object.

5.2.12 Node: /<x>/Ext

Ext

<table>
<thead>
<tr>
<th>Status</th>
<th>Tree Occurrence</th>
<th>Format</th>
<th>Min. Access Types</th>
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<tbody>
<tr>
<td>Optional</td>
<td>ZeroOrOne</td>
<td>node</td>
<td>Get</td>
</tr>
</tbody>
</table>

This interior node designates a branch of the <x> sub-tree into which vendor extensions MAY be added, permanently or dynamically. Ext sub tree provides flexible points of extension for vendor-specific parameters. However, vendor extensions MUST NOT be defined outside of Ext sub-tree.
Appendix A. Change History

A.1 Approved Version 1.0 History

<table>
<thead>
<tr>
<th>Reference</th>
<th>Date</th>
<th>Description</th>
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<td>13 Nov 2012</td>
<td>Status changed to Approved by TP:</td>
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<tr>
<td></td>
<td></td>
<td>OMA-TP-2012-0407-INP_CAB_V1_0 ERP_for_Final_Approval</td>
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