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Cloud Data Management Interface Extension: Group Storage System Metadata

Version 1.0b

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Working Draft

Revision History

Date	Version	By	Comments
2012-01-24	1.0a	David Slik, NetApp, Inc.	Initial Creation
2012-01-26	1.0b	Marie McMinn	Minor edits.

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Group Storage System Metadata CDMI Extension

Overview

ACLs in CDMI can refer to the owner of an object by specifying an ACE Who of "OWNER@". This reference corresponds to the contents of the `cdmi_owner` storage system metadata. However, there is no `cdmi_group` storage system metadata corresponding to an ACE Who of "GROUP@".

This extension defines a new storage system metadata item, `cdmi_group`, that allows an object to be associated with a group for ACL evaluation purposes.

Modifications to the current CDMI spec:

- 1) Add a table entry to the end of Table 103 of clause 12.1.2 as follows:

Capability	Type	Definition
<code>cdmi_group</code>	JSON String	If present and "true", this capability indicates that the cloud storage system supports group storage system metadata to indicate a group associated with the object.

- 2) Add a table entry below "`cdmi_owner`" in Table 117 of clause 16.4 as follows:

Metadata Name	Type	Description	Requirement
<code>cdmi_group</code>	JSON String	The name of the group that is associated with the object.	Optional