

AbstractALM

Dimensions Adoption

Version 1.0

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References

AbstractALM Framework

Objects

User

In Dimensions, the interface `com.serena.dmclient.api.User` is equivalent to AbstractALM's User.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	<code>com.serena.dmclient.api.User</code>	
ID	<code>Attribute(OBJECT_ID)</code>	
Login	<code>User.Name</code>	
Active	<code>True</code>	SDK returns only active users (???)
Name	<code>User.FullUserName</code>	
Company	Not Implemented	
Email	Not Implemented	
PhoneNumber	Not Implemented	
MobileNumber	Not Implemented	
FaxNumber	Not Implemented	
PagerNumber	Not Implemented	
WebSite	Not Implemented	
TimeZoneShift	Not Implemented	
PostalAddress	Not Implemented	
VoiceMailNumber	Not Implemented	
IMNumber	Not Implemented	
Language	Not Implemented	
CreatedDate	<code>Attribute(CREATION_DATE)</code>	
CreatedUser	<code>Attribute(CREATION_USER)</code>	
ChangedDate	<code>Attribute(LAST_UPDATED_DATE)</code>	
ChangedUser	<code>Attribute(LAST_UPDATED_USER)</code>	
Description	<code>Attribute(DESCRIPTION)</code>	

Custom Properties

User Attributes are taken over to CustomProperties. Domain for those attributes is `User:XYZ`.

Property

The Dimensions equivalent to the AbstractALM property is AttributeDetails. Attribute values are retrieved by the use of com.serena.dmclient.api.DimensionsArObject. Therefore, the DimensionsArObject is stored as NativeObject.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	com.serena.dmclient.api.DimensionsArObject	
ID	AttributeDetails.Number	
Name	AttributeDetails.Name	
Description	AttributeDetails.HelpMessage	
Value	DimensionsArObject.getAttribute()	The property value is stored as part of the DimensionsArObject.
CreatedUser	Not Implemented.	Not supported by custom property.
CreatedDate	Not Implemented.	Not supported by custom property.
ChangedUser	Not Implemented.	Not supported by custom property.
ChangedDate	Not Implemented.	Not supported by custom property.

Custom Properties

Serena Dimensions Attribute	AbstractALM Custom Property	Comments
AttributeDetails.DefaultValue	Dimensions:DefaultValue	
AttributeDetails.DisplayHeight	Dimensions:DisplayHeight	
AttributeDetails.DisplayLength	Dimensions:DisplayLength	
AttributeDetails.DisplayOrder	Dimensions:DisplayOrder	
AttributeDetails.DisplayWidth	Dimensions:DisplayWidth	
AttributeDetails.Mandatory	Dimensions:Mandatory	
AttributeDetails.MaximumLength	Dimensions:MaximumLength	
AttributeDetails.PendingDisplay	Dimensions:PendingDisplay	
AttributeDetails.Sensitive	Dimensions:Sensitive	
AttributeDetails.UserPrompt	Dimensions:UserPrompt	
AttributeDetails.Visible	Dimensions:Visible	

User Attributes are taken over to CustomProperties. Domain for those attributes is User:XYZ.

Repository

The Dimensions equivalent to the AbstractALM repository is com.serena.dmclient.api.Project.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	com.serena.dmclient.api.Project	
ID	Attribute(OBJECT_ID)	
Name	Project.Name	
Description	Attribute(DESCRIPTION)	
CreatedDate	Attribute(CREATION_DATE)	
CreatedUser	Attribute(CREATION_USER)	
Packages		???
RootFolder	Project.RootFolder	
DerivedRepositories	Project.BranchNames	
Project	Attribute(IDE_PROJECT_NAME)	
ChangedDate	Attribute(LAST_UPDATED_TIME)	
ChangedUser	Attribute(LAST_UPDATED_USER)	

Custom Properties

Serena Dimensions Attribute	AbstractALM Custom Property	Comments
Attribute(DEFAULT_BRANCH)	Dimensions:DefaultBranch	Casted to string
Attribute(DEFAULT_REQUEST)	Dimensions:DefaultRequest	Casted to string
Attribute(IDE_INITIAL)	Dimensions:IdeInitial	
Attribute(IDE_TAG)	Dimensions:IdeTag	
Attribute(STATUS)	Dimensions:Status	
Attribute(VISIBLE)	Dimensions:Visible	

User Attributes are taken over to CustomProperties. Domain for those attributes is User:XYZ.

Methods

AbstractALM Method / Param.	Dimensions Method / Param.	Comments
CheckOut	Project.download()	
CheckOut.Result		Needs to be created from filesystem.
CheckOut.Package	filesToDownload	filesToDownload parameter of download method.
CheckOut.Lock	LockType	How to lock files at checkout???
CheckIn	Project.upload()	
CheckIn.Package	filesToUpload	filesToUpload parameter of upload method.
CheckIn.Description	comment	comment parameter of upload method.

Artifact

Dimension's equivalent to the AbstractALM artifact is com.serena.dmclient.api.ItemRevision.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	com.serena.dmclient.api.ItemRevision	
ID	Attribute(OBJECT_ID)	
Name	Attribute(ITEMFILE_FILENAME)	
Comment	Attribute(REVISION_COMMENT)	
Description	Attribute(DESCRIPTION)	
Attachments	Not Implemented	
CreatedUser	Attribute(CREATION_USER)	
CreatedDate	Attribute(CREATION_DATE)	
ChangedUser	Attribute(LAST_UPDATED_USER)	
ChangedDate	Attribute(LAST_UPDATED_DATE)	
History	ItemRevision.RevisionHistory	
RevisionNumber	Attribute(REVISION)	Only last number.
VersionNumber	Attribute(REVISION)	Full string is used.
ParentFolder	ItemRevision.ParentFolder	
Repository	ItemRevision.Project	

Custom Properties

Serena Dimensions Attribute	AbstractALM Custom Property	Comments
Attribute(IS_EXTRACTED)	Dimensions:IsExtracted	
Attribute(LATEST_REV)	Dimensions:LatestRevision	
Attribute(ITEM_FORMAT)	Dimensions:ItemFormat	
Attribute(ITEMFILE_DIR)	Dimensions:ItemFileDir	
Attribute(FILE_NUMBER)	Dimensions:FileNumber	
Attribute(STAGE)	Dimensions:Stage	
Attribute(STATUS)	Dimensions:Status	
Attribute(TYPE_NAME)	Dimensions:TypeName	
Attribute(UTC_MODIFIED_DATE)	Dimensions:UtcModifiedDate	
Attribute(VARIANT)	Dimensions:Variant	

User Attributes are taken over to CustomProperties. Domain for those attributes is User:XYZ.

Attachment

Serena Dimensions does not provide Attachments. However, this could be implemented using attributes.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	Not Implemented	
ID	Not Implemented	
Name	Not Implemented	
Description	Not Implemented	
Content	Not Implemented	
Repository	Not Implemented	
CreatedUser	Not Implemented.	Not supported by custom property.
CreatedDate	Not Implemented.	Not supported by custom property.
ChangedUser	Not Implemented.	Not supported by custom property.
ChangedDate	Not Implemented.	Not supported by custom property.

Folder

The Dimensions equivalent to the AbstractALM folder is `com.serena.dmclient.api.RepositoryFolder`.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	<code>com.serena.dmclient.api.RepositoryFolder</code>	
Artifacts	<code>RepositoryFolder.ImmediateChildFolders</code> <code>RepositoryFolder.LatestItemRevisions</code>	

File

The Dimensions equivalent to the AbstractALM file is com.serena.dmclient.api.ItemRevision.

Attributes

AbstractALM Attribute	Serena Dimensions Mapping	Comments
NativeObject	com.serena.dmclient.api.ItemRevision	
Content	ItemRevision.checkout() ItemRevision.checkin()	