

AbstractALM

StarTeam Adoption

Version 1.0

Author: Michael Olschimke (michael@olschimke.eu)

Table of Contents

References.....	2
Objects	3
User.....	3
Attributes.....	3
Custom Properties	4
Property.....	5
Attributes.....	5
Custom Properties	5
Repository	6
Attributes.....	6
Custom Properties	6
Methods	6
Artifact.....	7
Attributes.....	7
Custom Properties	7
Attachment.....	8
Attributes.....	8
Folder	9
Attributes.....	9
File.....	10
Attributes.....	10

References

- AbstractALM Framework

Objects

User

The StarTeam SDK provides two different classes for users: `com.starbase.starteam.User` and `com.starbase.starteam.UserAccount`. If the logged in user (who is using AbstractALM or the SDK) has sufficient privileges (i.e. administrative privileges), a `UserAccount` object can be instantiated using `Server.getAdministration().getUserAccounts()`.

If the user has not sufficient privileges, only a `com.starbase.starteam.User` object can be instantiated using `Server.getActiveUsers()` or `Server.getUsers()`. The drawback of such an instance is that it only provides a very limited subset of data. It is not possible to create users without administrative privileges.

The resulting AbstractALM implementation might therefore raise a 'Not Implemented' exception or not, depending on the privileges of the connecting user.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	<code>com.starbase.starteam.User</code> <code>com.starbase.starteam.UserAccount</code>	The class <code>User</code> is used if the logged in user has not sufficient rights to create a <code>UserAccount</code> object. The native object can be of one of the types.
ID	<code>User.ID</code> / <code>UserAccount.ID</code>	
Login	<code>UserAccount.LogOnName</code>	
Active	<code>User.isDeleted()</code> <code>UserAccount.AccountStatus</code>	True if <code>UserAccount.STATUS_NORMAL</code> . All other states result in false. True if not <code>User.isDeleted()</code> .
Name	<code>User.Name</code> / <code>UserAccount.Name</code>	
Company	Not Implemented	Not supported by custom property
Email	<code>UserAccount.EmailAddress</code>	Not Implemented for <code>com.starbase.starteam.User</code> Not supported by custom property
PhoneNumber	<code>UserAccount.PhoneNumber</code>	Not Implemented for <code>com.starbase.starteam.User</code> Not supported by custom property
MobileNumber	Not Implemented	Not supported by custom property
FaxNumber	<code>UserAccount.FaxNumber</code>	Not Implemented for <code>com.starbase.starteam.User</code> Not supported by custom property
PagerNumber	<code>UserAccount.PagerNumber</code>	Not Implemented for <code>com.starbase.starteam.User</code> Not supported by custom property
WebSite	Not Implemented	Not supported by custom property
TimeZoneShift	<code>UserAccount.PolicyTimeZoneShift</code>	Not Implemented for <code>com.starbase.starteam.User</code> Not supported by custom property
PostalAddress	<code>UserAccount.PostalAddress</code>	Not Implemented for

		com.starbase.starteam.User Not supported by custom property
VoiceMailNumber	UserAccount.VoiceMailNumber	Not Implemented for com.starbase.starteam.User Not supported by custom property
IMNumber	Not Implemented	Not supported by custom property
Language	Not Implemented	Not supported by custom property
CreatedDate	UserAccount.CreatedTime	Not Implemented for com.starbase.starteam.User Not supported by custom property
CreatedUser	Not Implemented	Not supported by custom property
ChangedDate	Not Implemented	Not supported by custom property
ChangedUser	Not Implemented	Not supported by custom property
Description	Not Implemented	Not supported by custom property

Custom Properties

Borland StarTeam Attribute	AbstractALM Custom Property	Comments
UserAccount.DistinguishedName	StarTeam:DistinguishedName	Not Implemented for com.starbase.starteam.User

Property

The StarTeam equivalent to the AbstractALM property is `com.starbase.starteam.Property`.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	<code>com.starbase.starteam.Property</code>	Retrieved from <code>Item.CachedProperties</code>
ID	<code>Property.ID</code>	
Name	<code>Property.Name</code>	
Description	Not Implemented	Not supported by custom property
Value	<code>Item.getDouble</code> , <code>Item.getString</code> , etc.	The property value is stored as part of the item.
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

Borland StarTeam Attribute	AbstractALM Custom Property	Comments
Property.DefaultValue	<code>StarTeam:DefaultValue</code>	
Property.DisplayName	<code>StarTeam:DisplayName</code>	
Property.DisplayValue	<code>StarTeam:DisplayValue</code>	

Repository

The StarTeam equivalent to the AbstractALM repository is `com.starbase.starteam.View`.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	<code>com.starbase.starteam.View</code>	
ID	<code>View.ID</code>	
Name	<code>View.Name</code>	
Description	<code>View.Description</code>	
CreatedDate	<code>View.CreatedTime</code>	
CreatedUser	<code>View.CreatedBy</code>	
Packages		Possible to re-construct packages using CheckoutManager.
RootFolder	<code>View.RootFolder</code>	
DerivedRepositories	<code>View.DerivedViews</code>	
Project	<code>View.Project.Name</code>	
ChangedDate	Not Implemented	Not supported by custom property.
ChangedUser	Not Implemented	Not supported by custom property.

Custom Properties

None

Methods

AbstractALM Method / Param.	Borland StarTeam Method / Param.	Comments
CheckOut	<code>CheckoutManager(View).checkout()</code>	
CheckOut.Result		
CheckOut.Package	<code>files</code>	files parameter of checkout method.
CheckOut.Lock	<code>LockType</code>	Member of CheckoutOptions.
CheckIn	<code>CheckinManager(View).checkin()</code>	
CheckIn.Package	<code>files</code>	files parameter of checkin method.
CheckIn.Description	<code>CheckinOptions.CheckinReason</code>	

Artifact

StarTeam equivalent to the AbstractALM artifact is com.starbase.starteam.Item.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	com.starbase.starteam.Item	
ID	Item.ID	
Name	Item.Name	
Comment	Item.Comment	
Description	File.Description Folder.Description	Only supported if the item is a file, folder, change request. Not implemented for topics and tasks.
Attachments	Item.Attachment Item.AttachmentIDs	
CreatedUser	Item.CreatedBy	
CreatedDate	Item.CreatedTime	
ChangedUser	Item.ModifiedBy	
ChangedDate	Item.ModifiedTime	
History	Item.History	
RevisionNumber	Item.RevisionNumber	
VersionNumber	Item.DotNotation	
ParentFolder	Item.ParentFolder	
Repository	Item.View	

Custom Properties

Borland StarTeam Attribute	AbstractALM Custom Property	Comments
Item.DeletedUserID	StarTeam:DeletedUser	
Item.DeletedTime	StarTeam:DeletedDate	

Properties are taken over to CustomProperties. Domain for those properties is User:XYZ.

Attachment

StarTeam does not provide a class for attachments. Instead, various classes provide attachment values via methods. The native object is therefore the StarTeam object that contains the attachment. The ID of the AbstractALM attachment is the attachment's index (attachmentID) within the StarTeam array.

Not all items support attachments, such as files. In this case, a 'Not Implemented' exception is thrown.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	com.starbase.starteam.Item	
ID	attachmentID (from Item.getAttachmentIDs())	
Name	Item.getAttachmentNames()	
Description	Not Implemented.	Not supported by custom property.
Content	Item.getAttachment()	
Repository	Item.View	
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 StarTeam equivalent to the AbstractALM folder is com.starbase.starteam.Folder.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	com.starbase.starteam.Folder	
Artifacts	Folder.Items	

File

The StarTeam equivalent to the AbstractALM file is com.starbase.starteam.File.

Attributes

AbstractALM Attribute	Borland StarTeam Mapping	Comments
NativeObject	com.starbase.starteam.File	
Content	File.checkoutToStream()	