

Accelerator AD Group Membership Adapter

User Guide

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1.0 Introduction

The Accelerator AD Group Membership Adapter handles adding / removing Active Directory users to/from AD Groups. It also enables users and sets account expiry dates. The adapter supports 3 “types” or request:

- Basket request (with single part), using an appstore
- Generic Request
- User Activation Request

It supports Front Office version 8.1 onwards.

2.0 Installation

The application is a Microsoft .NET Web application (Version 4.5), requiring IIS 7+

To install:

- log in on the target installation server with administrator privileges
- **Un-install any old versions of the adapter**
- Extract the files from the zip file into a temporary folder
- Using Windows explorer open the temporary folder, then run setup.exe
- Click the next button
- Set the virtual directory (default AcceleratorADGroupMembershipAdapter)
- Set the target application pool (must support ASP.NET v4)
- Click the next button, then again to start the installation

3.0 Configuration

3.1 Database configuration

Create the SQL table in your target database (create new or use existing), the script can be found in `\inetpub\wwwroot\<selected virtual directory>\sql\SqlScript.sql`

3.2 Adapter configuration

On the server where the adapter has been installed, edit the adapters web.config and update the following settings:

- ADDomain, ADUserName, ADPassword – Set to the credentials of a user that has rights to add / remove users from groups and enable / set expiry dates for users. Typically a user in the “Account Operators” or “Administrators” group.
- DapiURL – Should be set to the url of your Front Office installations Public Web Service (this can be found on the Admin/Configuration Check window)
- DapiUser & DapiPassword – set these if your Front Office Api has been secured with basic authentication.
- connectionString – configure this to point to the target database containing the tables configured in 3.1

If required the appSettings & connectionStrings sections can be encrypted by following the instructions here:

[http://msdn.microsoft.com/en-us/library/vstudio/zhhddkxy\(v=vs.100\).aspx](http://msdn.microsoft.com/en-us/library/vstudio/zhhddkxy(v=vs.100).aspx)

3.3 Front Office Configuration

Login to Front Office as a user with administration rights to perform the following steps

3.3.1 Create Integration Settings / Product Attributes

Basket request


Create a new integration SECTION using the request type code, then configure 2 Integration settings:

StartDateFieldCode – Field code of the start date

ExpiryDateFieldCode - Field code of the expiry date


For each part that has a corresponding AD group, add an attribute named **AD_GROUP** and set its value to the distinguished name of the AD group, e.g: “CN=TESTGROUP1,DC=frontoffice,DC=com”

If AD groups are longer than 100 characters (the limit of part attributes) and all share a common AD path you can add an integration section named **AcceleratorADGroupMembershipAdapter**, add a setting within it named **ADAppendPath**, and set its value to the common part of the AD path. Then set the attribute to the value to be added to the end of the ADAppendPath. E.g.

AcceleratorADGroupMembershipAdapter			Add Setting Edit Delete	
Name	Value	Allow Tenant Override	Allow User Override	
ADAppendPath	OU=SCCM Software,OU=Software,OU=Corp,OU=ACMECORP,OU=Groups,DC=AN,DC=ACME,DC=NET	Yes		

Details
Pricing
Attributes
Other Information
Category

Add

Name	Value	
AD_GROUP	CN=rApp-SCCMVisioProfessional2016	

Generic request

Create a new integration SECTION using the request type code, then configure the following integration settings:

StartDateFieldCode – Field code of the start date

ExpiryDateFieldCode - Field code of the expiry date

MobileNumberFieldCode – Field code of the users mobile number

For each field on the form that has a corresponding AD group, add an integration setting named as the request field code. For the value insert the value of the field (e.g. True for checkboxes) then a pipe symbol (|) then the distinguished name of the AD group. For example:

True|CN=TESTGROUP1,DC=frontoffice,DC=com

User activation request


Create a new integration SECTION using the request type code, then configure the following integration settings:



ExpiryDateFieldCode - Field code of the expiry date






DisabledUserELBFieldCode – Field code of the disabled users external list box




DisabledUserPicklistKeyCode – Key code of the disabled users external list box

Example screen shot of integration settings:


Integration Settings
Add Section Close

RT00000001 Add Setting Edit Delete		
Name	Value	Allow Client Override
StartDateFieldCode	VALIDFROM	No 
ExpiryDateFieldCode	VALIDTO	No 

RT00000002 Add Setting Edit Delete		
Name	Value	Allow Client Override
VPN_INTDEV	True CN=TESTGROUP1,DC=frontoffice,DC=com	No 
VPN_EXTDEV	True CN=TESTGROUP2,DC=frontoffice,DC=com	No 
ExpiryDateFieldCode	VALIDTO	No 
StartDateFieldCode	VALIDFROM	No 
MobileNumberFieldCode	TEL_NO	No 

RT00000003 Add Setting Edit Delete		
Name	Value	Allow Client Override
ExpiryDateFieldCode	RF00000005	No 
DisabledUserELBFieldCode	DISUSER	No 
DisabledUserPicklistKeyCode	UserId	No 

3.3.2 Create Adapters

Create a Request Fulfilment Hook (version 8.0) adapter as below (adjusting server, virtual directory as per install), it should point to the FulfilmentAddUserToGroup.svc web service:

Details

ID 4

System Type

Adapter Display Name *

Web Service URI *

Timeout (seconds) *

Client Identifier

Active ☒

Create a Request Fulfilment Hook (version 8.0) adapter as below (adjusting server, virtual directory as per install), it should point to the FulfilmentEnableUser.svc web service:

Details

ID 4

System Type

Adapter Display Name *

Web Service URI *

Timeout (seconds) *

Client Identifier

Active ☒

Create a Scheduled Task Hook (version 8.0) adapter as below (adjusting server, virtual directory as per install), it should point to the ScheduledTaskProcessGroups.svc web service:

Details

ID (Auto Generated)

System Type

Adapter Display Name *

Web Service URI *

Timeout (seconds) *

Client Identifier


Active ☒

3.3.3 Add adapters to request fulfilments

- Add the “AD Group Fulfilment” adapter to the workflow processes of the VPN request and Appstore request
- Add the “Enable User” adapter to the workflow process of the enable user request

3.3.4 Configure scheduled task adapter

Add a custom scheduled task to call the Process AD Groups adapter, set to run at the desired interval:


Scheduled Task Details - Process AD Groups
Run Now OK Cancel

ID 18

Custom Task Type 1152a276-2b88-4614-b2b1-881a2cb328b8 (Call Adapter)



Description

Repeat

Due Date 13/10/2014 11:41

Last Run 13/10/2014 11:40

Enabled ☒

Adapter [Process AD Groups](#)  

Webservice Parameters

This adapter performs the addition of users to AD groups on the start date and the removal of users from groups on the expiry date.

4.0 In Use

4.1 Appstore Request

- The user selects an application from the appstore
- Populates the start / expiry date fields (*)
- On submission the AD group fulfilment adapter will insert a new record in the ADUserGroup table (if there are existing requests for same user ADGroup these will be marked as processed)
- The Process AD Groups custom task will retrieve records that have not been processed, for any where the start date < current date time the user will be added to the group, for any where the expiry date has been passed it will remove the user from the group. For records that have no expiry date the user will be added to the group and no further action taken.

4.2 General Request

- Populates the start / expiry date fields (*)
- Checks the appropriate check boxes
- On submission the AD group fulfilment adapter will insert a new record in the ADUserGroup table (if there are existing requests for same user ADGroup these will be marked as processed)
- The Process AD Groups custom task will retrieve records that have not been processed, for any where the start date < current date time the user will be added to the group, for any where the expiry date has been passed it will remove the user from the group. For records that have no expiry date the user will be added to the group and no further action taken.

4.3 User Activation Request

- The user selects the target user from the external list box
- Populates the expiry date (*)
- On submission the Enable User adapter will enable the user in AD and set the account expiration date

(*) Where the start date is empty the fulfilment adapter will set to current date/time, for populated fields start dates will have a time of 00:00:00 expiry dates will have a time of 23:59:59