AD Sync Service

Import Users and Groups from Active Directory

AD Sync Service User Manual

Version 9.9

By UC Logic



Contents

1.	Support	3
2.	Updates	3
3.	Installation	5
4.	Active Directory Configuration	9
5.	Configuring the AD Sync Service	12
6.	Starting the Service	



1. Support

For support, please contact support@uclogic.com

2. Updates

Added ability to specify maximum log size, when the log file reaches this size a new log file is created

Log file size can be between 10K and 30000K (30 Mb). Default is 10Mb.

Version 9.8

2 November 2015

Added list of valid AD fields to AD Mapping combo box fields

Set default value for user name to be SAMAccountName in AD Mapping when clicking Default button

Support for text values to be added to user fields on add/modify users

Support for %ADSyncJobName% variable to save job name in user fields on add/modify

For new users, password never expires is checked

Version 9.6 27 April 2015

Stopped user ids with blanks from stopping the process - these are reported in the log

Version 9.5.4 22 October 2014

Fixed issue with searching for large number of AD objects, now use paged queries

Fixed bug with searching for groups not returning hits when similar searches are performed





3. Installation

There are two applications that make up the AD Sync Service application.

- AD Sync Service
- AD Sync Manager

They should both be installed on the same server, ideally not on a server that runs any other Worksite server services.

Pre-requisites:

- Windows 2008 server, 32 bit, 4GB Ram
- Server must be part of a domain not a standalone/workgroup server

Installation will need to be carried out by an administrator user.

To install the AD Sync service applications, run the setup.exe application

🚏 UC Logic AD Sync Service	
Welcome to the UC Logic AD Sync Service Setup Wizard	
The installer will guide you through the steps required to install UC Logic AD Sync Service computer.	on your
WARNING: This computer program is protected by copyright law and international treaties Unauthorized duplication or distribution of this program, or any portion of it, may result in se or criminal penalties, and will be prosecuted to the maximum extent possible under the law.	vere civil
Cancel < Back N	ext >

Click Next



🙀 UC Logic AD Sync Service	
Select Installation Folder	
The installer will install UC Logic AD Sync Service to the following fo	older.
Fo install in this folder, click "Next". To install to a different folder, er	nter it below or click "Browse".
C:\Program Files (x86)\UC Logic\UC Logic AD Sync Service\	Browse
	Disk Cost
Install UC Logic AD Sync Service for yourself, or for anyone who	uses this computer:
⊙ Everyone	
O Just me	
Cancel	< Back Next >
Click Next Click Next Confirm Installation	_ \
The installer is ready to install UC Logic AD Sync Service on your c Click "Next" to start the installation.	omputer.
Cancel	< Back Next >

Click Next



🙀 UC Logic AD Sync Service	
Installation Complete	
UC Logic AD Sync Service has been successfully installed. Click "Close" to exit.	
Cancel < Back	Close

Click Close

The application will be installed as a windows service called AD Sync Service, running under the local system account.

Q Services						
File Action View	Help					
	i 🛃 🚺 📷 🕨 🔳 II ID					
Services (Local)	🔅 Services (Local)					
	AD Sync Service	Name 🔺	Description	Status	Startup Type	Log On As
	-	Active Directory Do	AD DS Domain Contr	Started	Automatic	Local System
	Start the service	Active Directory W	This service provides	Started	Automatic	Local System
		🔍 AD Sync Service	AD Sync Service		Automatic	Local System
	Description:	🔍 Adobe Acrobat Upd	Adobe Acrobat Upda	Started	Automatic	Local System
	AD Sync Service	🔍 Application Experie	Processes application	Started	Manual	Local System
		🔍 Application Host He	Provides administrati	Started	Automatic	Local System
		Application Identity	Determines and verifi		Manual	Local Service
		🔍 Application Informa	Facilitates the runnin		Manual	Local System

You may change the account it runs under, but the account must be local administrator. If you are planning to use trusted login for the service to access the Worksite system, then you must change the 'log on as' user to be one that has an associated Worksite account.



The AD Sync Manager has also been installed



To configure the service use the AD Sync Manager application.





4. Active Directory Configuration

AD Sync Service uses groups created within the Active Directory to identify the users and groups to synchronise with Worksite

If you need to synchronise users with Worksite, create at least one group that contains a list of AD users.

If you need to synchronise groups with Worksite create at least one group that contains a list of AD groups.

The actual number of groups you will need to create depends on the number of database, default database requirements and access rights required

To create an Active Directory group, load Active Directory Users Administration program

Create a group

New Object - Group	×
Create in: uclogic.com/Users	
Group name:	
Worksite Users	
Group name (pre- <u>W</u> indows 2000):	_
Worksite Users	
C Domain local C Securitu	
Global Distribution	
< Back Next >	Cancel

Add the members you require.

You may add subgroups to this group and AD Sync will get the members for all subgroups to calculate a list of users that need to include in the synchronise process. If a user appears in multiple sub groups, AD Sync will only add the user once.

Notes:

If a user is removed from this group, the user will not be removed from Worksite If a user is renamed in AD, a new user will be added to Worksite with the new name. Use the Database Administrator 'rename' feature to perform the same task in Worksite.

Repeat this process to configure groups for synchronising with Worksite. Instead of adding users to the master group, add groups.

Worksite Groups Prop	erties	? ×
General Members	1ember Of 📔 Managed By 📔	
Members:		
Name	Active Directory Folder	
Commercial Finance Litigation Private Clients Property	uclogic.com/Users uclogic.com/Users uclogic.com/Users uclogic.com/Users uclogic.com/Users uclogic.com/Users	
Add	Remove	
	OK Cancel A	pply

These groups will be added to Worksite, and the members added to the Worksite groups. These groups can contain subgroups as AD Sync will work out the complete membership of the groups before synchronising.

If a user is removed from a group in AD, then this will be reflected in Worksite

If a user is added to a group/subgroup in AD, this will be reflected in Worksite







5. Configuring the AD Sync Service

The service is configured by settings held in the registry. These are managed using the AD Sync Manager application.

Start the AD Sync Manager application

tings AD Sync Jobs		
Vorksite Server	UCLSERVER2	
Vorksite User	pupton	
assword	*****	
	Trusted Login Test Connection	
nterval (seconds)	30	
og File Location	C:\Users\administrator.UCLOGIC\Desktop	
lax Log File size (Kb)	10000 📩 10 Мь	
		Save Settings

Add the settings required

These settings determine the user that is used to login to worksite to add the users and groups. The Worksite user should be a user that is a member of the NRTADMIN group in all databases.



Next configure the jobs by clicking the AD Sync Jobs tab

🛃 AD Sync Manager		- • •
Settings AD Sync Jobs		
✓ HR ✓ LONDON	Job Name HR Job Settings AD Mapping Finabled Active Directory Server sql2012 Worksite Database VOLVO Users Worksite Users Default Database VOLVO New User Password Memory Groups Worksite Groups	Port (default 389) 389 External Users Default File Server DEFSERVER
		Save Job



Field	Description	Typical Values
Active Directory Server	The domain controller server for the	DCServer.uclogic.com
	application to search	or
		DCServer
Port	Enter the port number to	Default is 389
	communicate with the LDAP Server	
Users	An active directory group with a list	Worksite Users
	of members that are to be	
	synchronised with Worksite	
New User Password	Enter a password to assign to new	
	users	
Default File Server	Enter the document file server to be	DOCSERVER2
	used by the new user. If left blank	
	the default DEFSERVER will be	
	used	
Groups	An active directory group with a list	Worksite Groups
	of subgroups. The first set of sub	
	groups gets synchronised. All	
	members of these groups will be	
	added as group membership in the	
	Worksite database	
Worksite database	Select the Worksite database to	LEGALDB
	synchronise to.	
Default Database	Selects the default database to	LEGALDB
	assign to new users	
External Users	Check this if you want to add the	
	users as external users	
Enabled	Check this to enable the job to run	
	during the next synchronisation run	



Right click in the jobs pane to display the pop up menu

Create New Job Rename Job Delete Job Copy Job

To create a new job, click Create New Job, then complete the fields in Job Settings and AD Sync Mapping before clicking Save Job.

To copy an existing job, right click it, select Copy Job, then enter a new Job name and click Save Job.



Click the AD Mappings tab to specify which Active directory fields should map to which Worksite fields

✓ HR	Job Name	
London	London	Finable
	Job Settings AD Map	pping
	Name	SAMAccountName
	Full Name	lisplayName
	Email	nail
	Email2	
	Email3	
	Email4	
	Email5	
	Custom 1	
	Custom2	
	Custom3	
	Location	hysical DeliveryOffice Name 👱
	Phone	elephoneNumber
	Extension	
	Fax	-
		Lud Dife and

Some fields have recommended defaults. We suggest the Name is always mapped to SAMAccountName,





To use other active directory fields you can just enter the Active Directory field name manually in the corresponding field, or use the lookups on some of the fields

Job Name		
HR		
Job Settings AD I	Mapping	
Name	SAMAccountName	•
Full Name	displayName	-
Email	mail	•
Email2		-
Email3		-
Email4		-
Email5		-
Custom1	%ADSyncJobName%	-
Custom2	"Penzance"	•
Custom3		-
Location	physicalDeliveryOfficeName	-
Phone	extensionAttribute4	*
Extension	extensionAttribute5 extensionAttribute6	
Fax	extensionAttribute7	
	extensionAttribute9	
	extensionName facsimileTelephoneNumber	
	givenName	
	homeDirectory homePhone	
	initials	
	maii manager	-
	middleName mobile	
	name	
	otherPhone	
	personalTitle	
	physicalDeliveryOfficeName profilePath	E
	SAMAccountName	
	secretary sn	
	telephoneNumber	
	title	
	userPrincipalName	
	wwwwHomerage	Ŧ

You can also just add any text to be added by enclosing this between double quotes – see Custom3 above, or add the Job name by entering %ADSyncJobName% - see Custom1 above.



6. Starting the Service

After the AD Sync Manager has been used to define the jobs required, the service can be started from the Services application in Windows

Q, Services									
File Action View Help									
) 🛃 🔽 📷 🕨 🔳 II IIV								
Services (Local)	🔅 Services (Local)								
	AD Sync Service	Name 🔺	Description	Status	Startup Type	Log On As			
		🔍 Active Directory Do	AD DS Domain Contr	Started	Automatic	Local System			
	Start the service	🔍 Active Directory W	This service provides	Started	Automatic	Local System			
		AD Sync Service	AD Sync Service		Automatic	Local System			
	Description:	🔍 Adobe Acrobat Upd	Adobe Acrobat Upda	Started	Automatic	Local System			
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		Application Host He	Provides administrati	Started	Automatic	Local System			
		Application Identity	Determines and verifi		Manual	Local Service			
		Application Informa	Facilitates the runnin		Manual	Local System			

Any issues with starting the service will be logged to the event viewer

🛃 Event Viewer										
File Action View Help										
Event Viewer (Local)	Application Nur	mber of events: 14,810								
Custom Views	Level	Date and Time	Source	Event ID	Task C	_				
Windows Logs		13/05/2014 09:37:51	Service 1	0	None					
	Information	13/05/2014 09:37:51	ADSyncService	0	None	1				
Setup	Information	13/05/2014 09:37:51	ADSyncService	0	None					
Setup	Information	12/05/2014 09:37:31	Res Cli	1704	None					
System		13/03/2014 09:18:44	SCECI	1704	None					
Forwarded Events	Information	13/05/2014 09:14:28	MSSQLSERVER	1/1//	Server					
Applications and Services Logs	Information	12/05/2014 17:01:55	CertificateServicesClient-CertEnroll	64	None					
Subscriptions	 Information 	12/05/2014 17:01:55	CertificateServicesClient-CertEnroll	65	None					
	(1) Information	12/05/2014 14:44:01	gupdate	0	None					





Once the service is started the log file will then be used to record activity. The log file location can be configured using the AD Sync Manager, under the Settings tab. The log file will be called ADFSyncServiceLog.txt. Each time the service is started a new log file is created and the old one will be renamed using a date/time string.

📕 ADSyncServiceLog.txt - Notepad				
File Edit Format View Help				
13/05/2014 09:37:51 13/05/2014 09:37:51	Install Directory: C:\Program Files (x86)\UC Logic\UC Logic AD Sync Service Application Version : 7.1.0.0			
13/05/2014 09:38:01	Timer Fired, intervals of 120 seconds			
13/05/2014 09:38:01	Processing Job HR			
13/05/2014 09:38:01	Connected to server SYSEROWS85 as user PUPTON AD Server=uclogic.local			
13/05/2014 09:38:01	Port=389			
13/05/2014 09:38:01	Database=HK Default Database=LONDON			
13/05/2014 09:38:01	Default File Server=DEFSERVER			
13/05/2014 09:38:01	Users=WorksiteUsers			
13/05/2014 09:38:01 13/05/2014 09:38:01	External User=N Updating User: Phil			
13/05/2014 09:38:01	Updating User: pupton			
13/05/2014 09:38:01	SALES (Sales Team) : User PHIL (Phil Ayton)			
13/05/2014 09:38:01 13/05/2014 09:38:01	Support (Support Team) : 1 members SUPPORT (Support Team) : User PUPTON (Paul Upton)			
13/05/2014 09:38:01	Logout from Worksite Server			
13/05/2014 09:38:01	Processing Job London			
13/05/2014 09:38:01	Connected to server SYSEROWS85 as user PUPTON AD Server=uclogic local			
13/05/2014 09:38:01	Port=389			
13/05/2014 09:38:01	DataDase=HR Default Database=LONDON			
13/05/2014 09:38:01	Default File Server=DEFSERVER			
13/05/2014 09:38:01	Users=WorksiteUsers			
13/05/2014 09:38:01 13/05/2014 09:38:01	External User=N Updating User: Phil			
13/05/2014 09:38:01	Updating User: pupton			
13/05/2014 09:38:01	SALES (Sales Team) : User PHIL (Phil Ayton)			
13/05/2014 09:38:01 13/05/2014 09:38:01	Support (Support Team) : 1 members SUPPORT (Support Team) : User PUPTON (Paul Upton)			
13/05/2014 09:38:01	Logout from Worksite Server			
13/05/2014 09:40:01	Timer Fired, intervals of 120 seconds			
13/05/2014 09:40:01 13/05/2014 09:40:01	Processing Job HR			
13/05/2014 09:40:01	Connected to server SYSEROW585 as user PUPTON			
15/05/2014 05.40.01	Ab Server-derogree local			

