# AD Sync Service

**AD Sync Service User Manual**

**Version 9.9**

**By UC Logic**

# Contents

## 1. Support

For support, please contact [support@uclogic.com](mailto:support@uclogic.com)

## 2. Updates

Version 9.9

11 November 2015

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Added ability to specifiy 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

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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

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

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Version 9.5.4

22 October 2014

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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

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Version 9.5.1

21 October 2014

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Supports Worksite 9 databases

Password now stored in encrypted format, please resave settings and jobs to encrypt passwords

Included the imanadmin.dll file with the installation package

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Version 9.5

11 August 2014

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Supports Worksite 9 databases – this version only supports version 9 databases

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## 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.
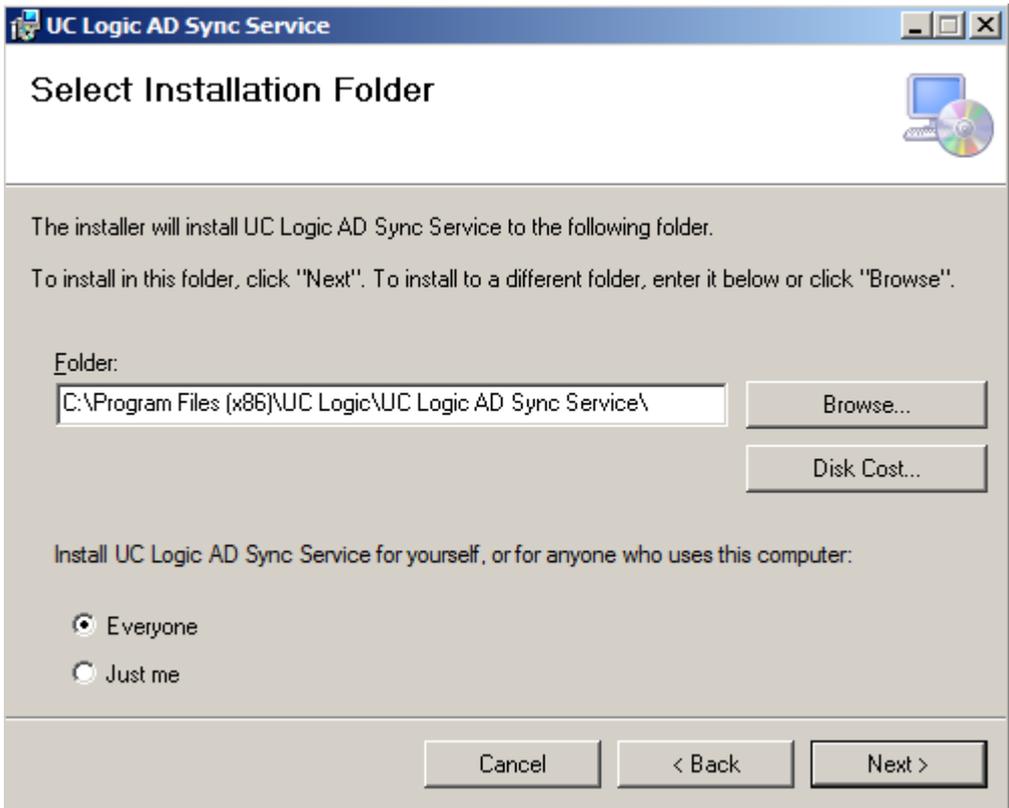
Pre-requisites:

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

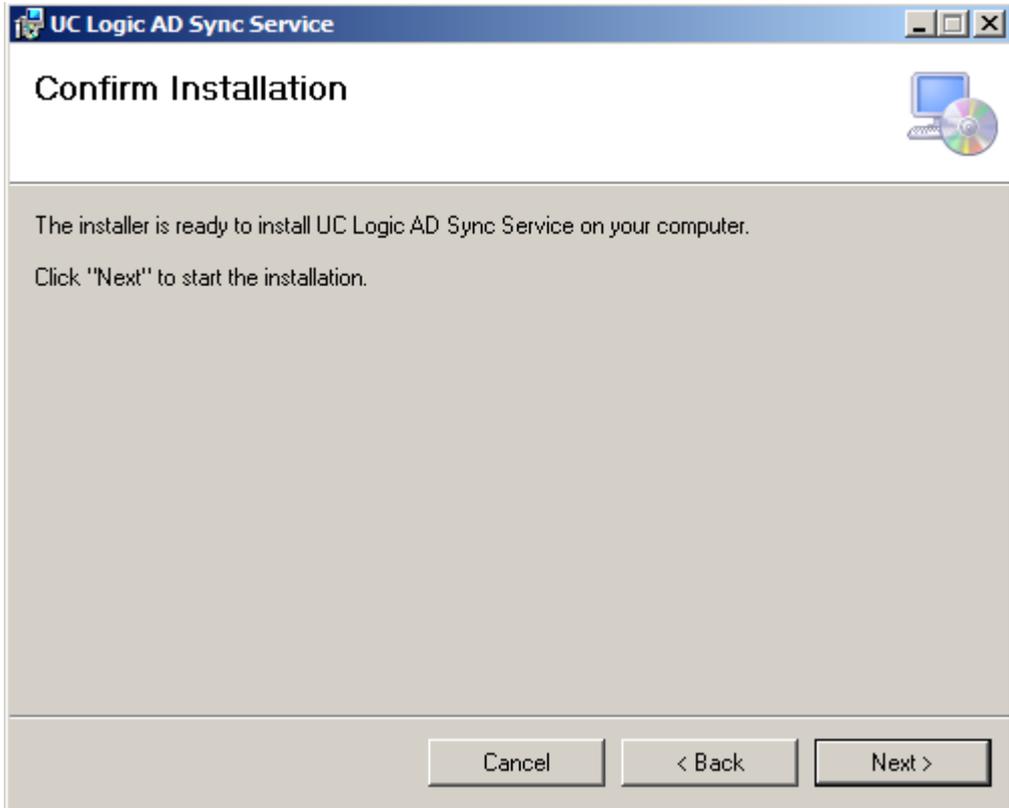Installation will need to be carried out by an administrator user.

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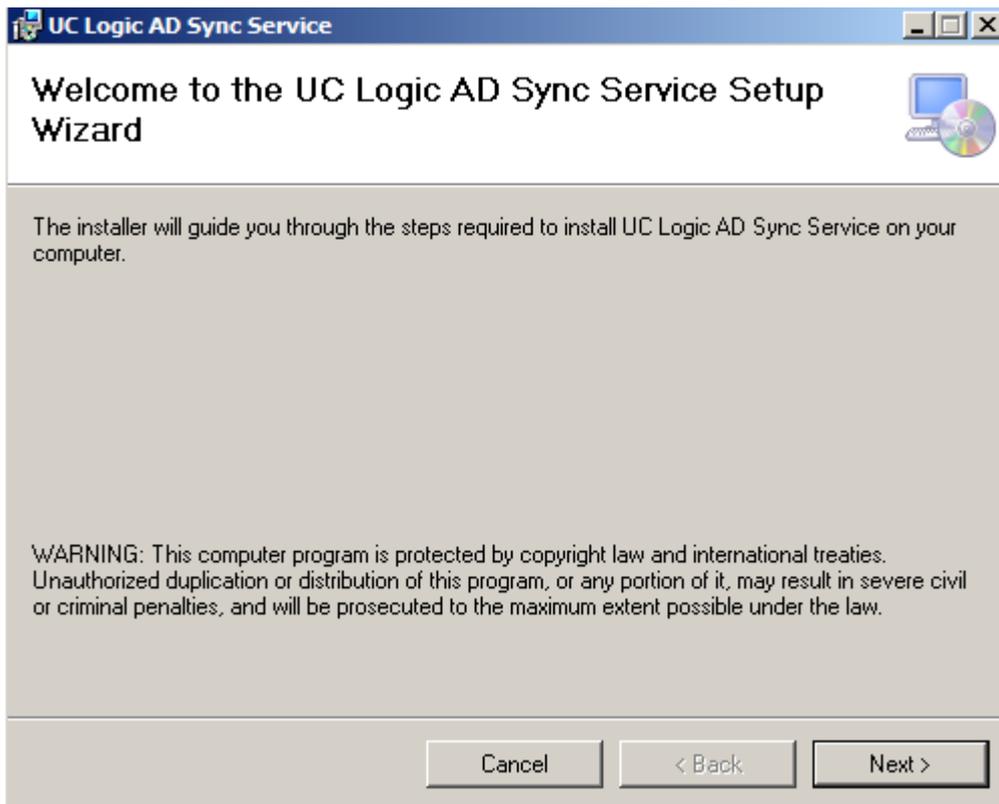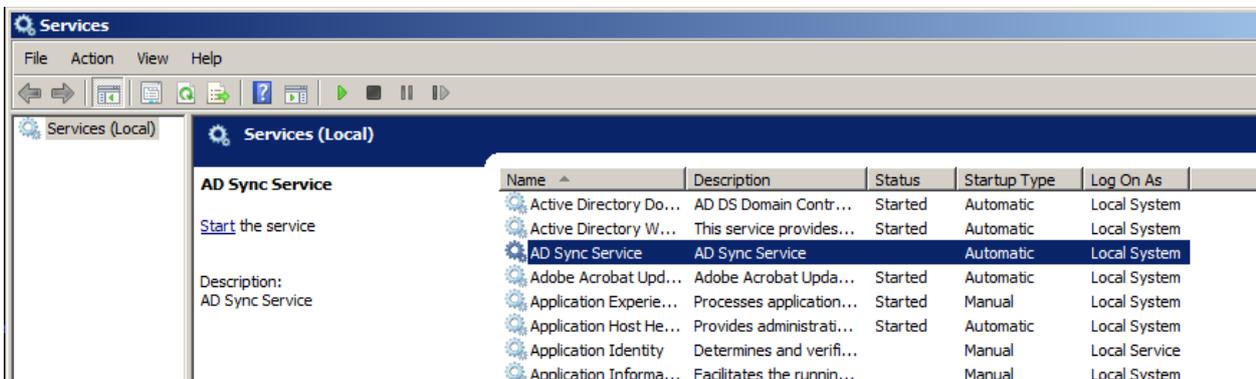


Click Next

Click Next



Click Next
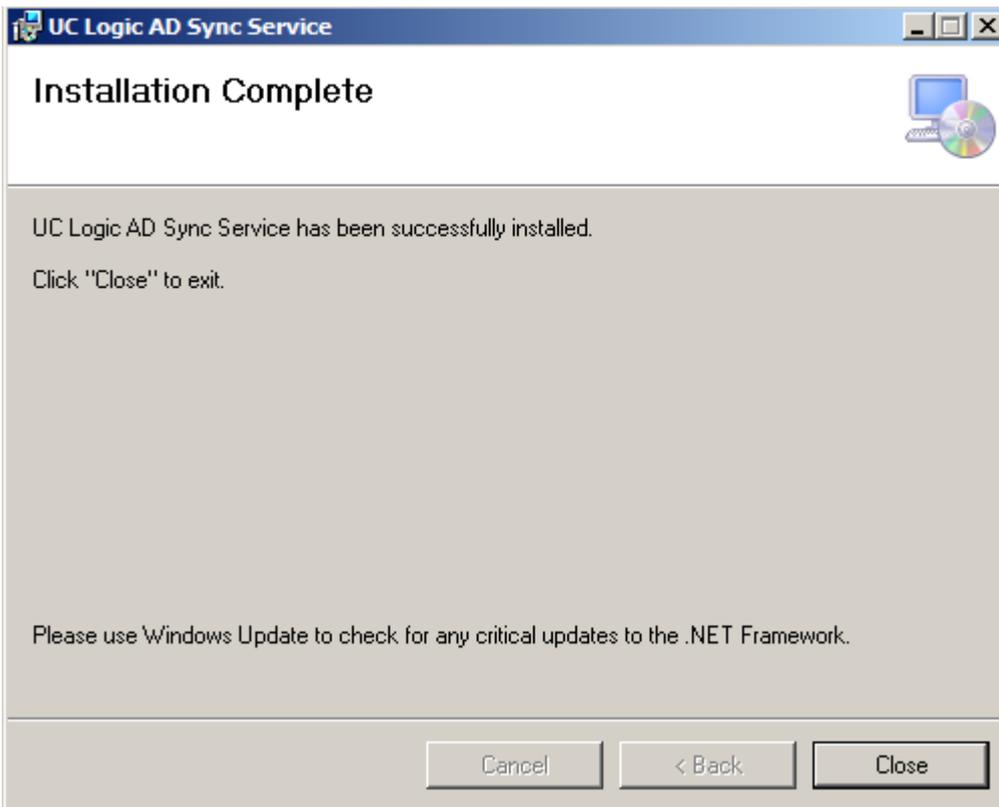
Click Close

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



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
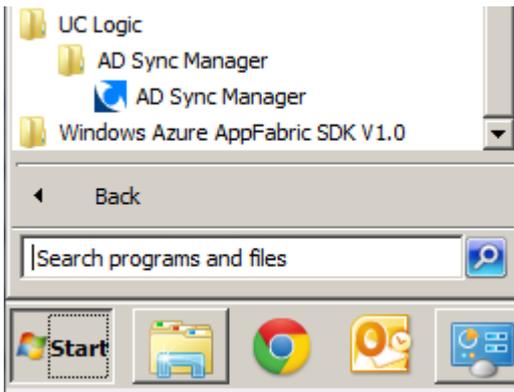


To configure the service use the AD Sync Manager application.

## 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
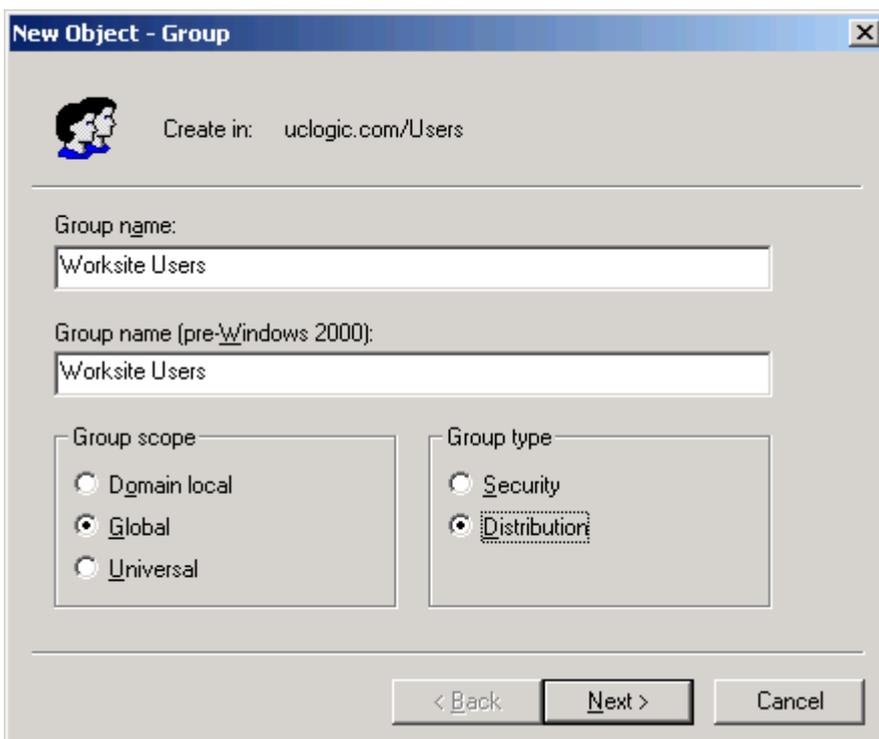


Add the members you require.

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.
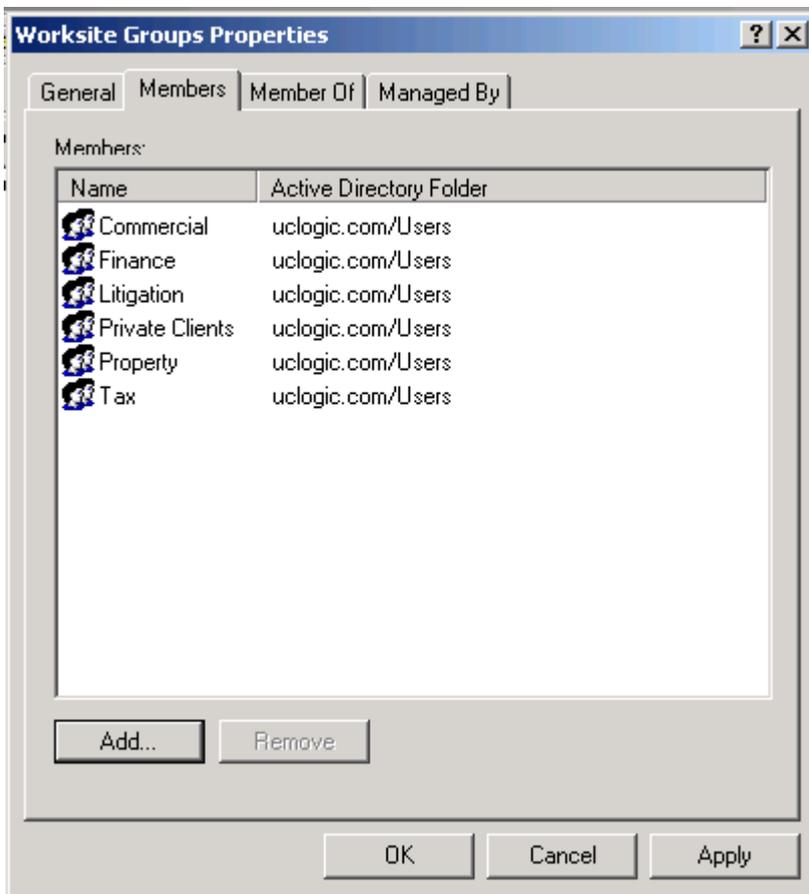


These groups will be added to Worksite, and the members added to the Worksite groups. These groups can contain subgroups as AD Sync will work out the complete membership of the groups before synchronising.

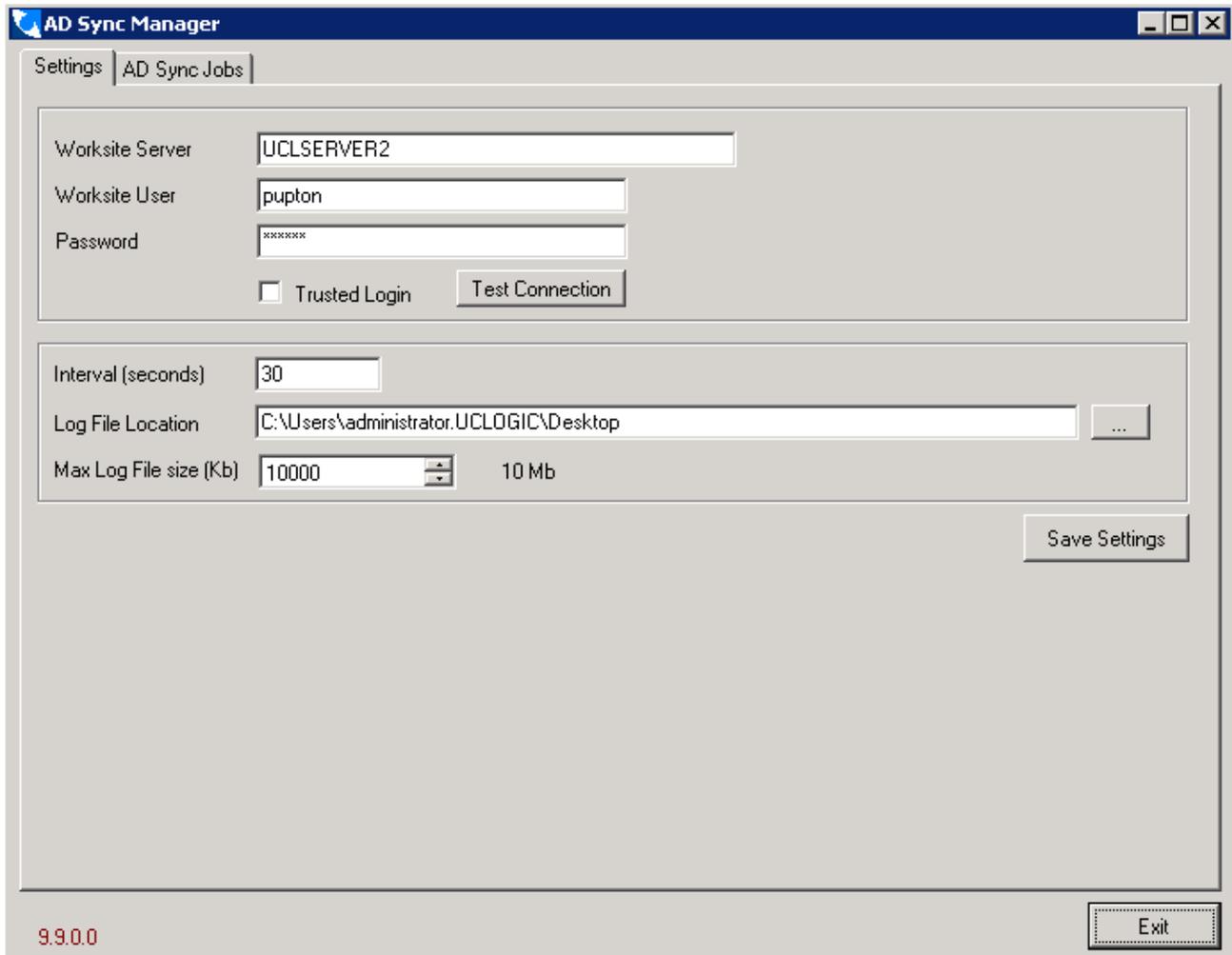If a user is removed from a group in AD, then this will be reflected in Worksite
If a user is added to a group/subgroup in AD, this will be reflected in Worksite

## 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.
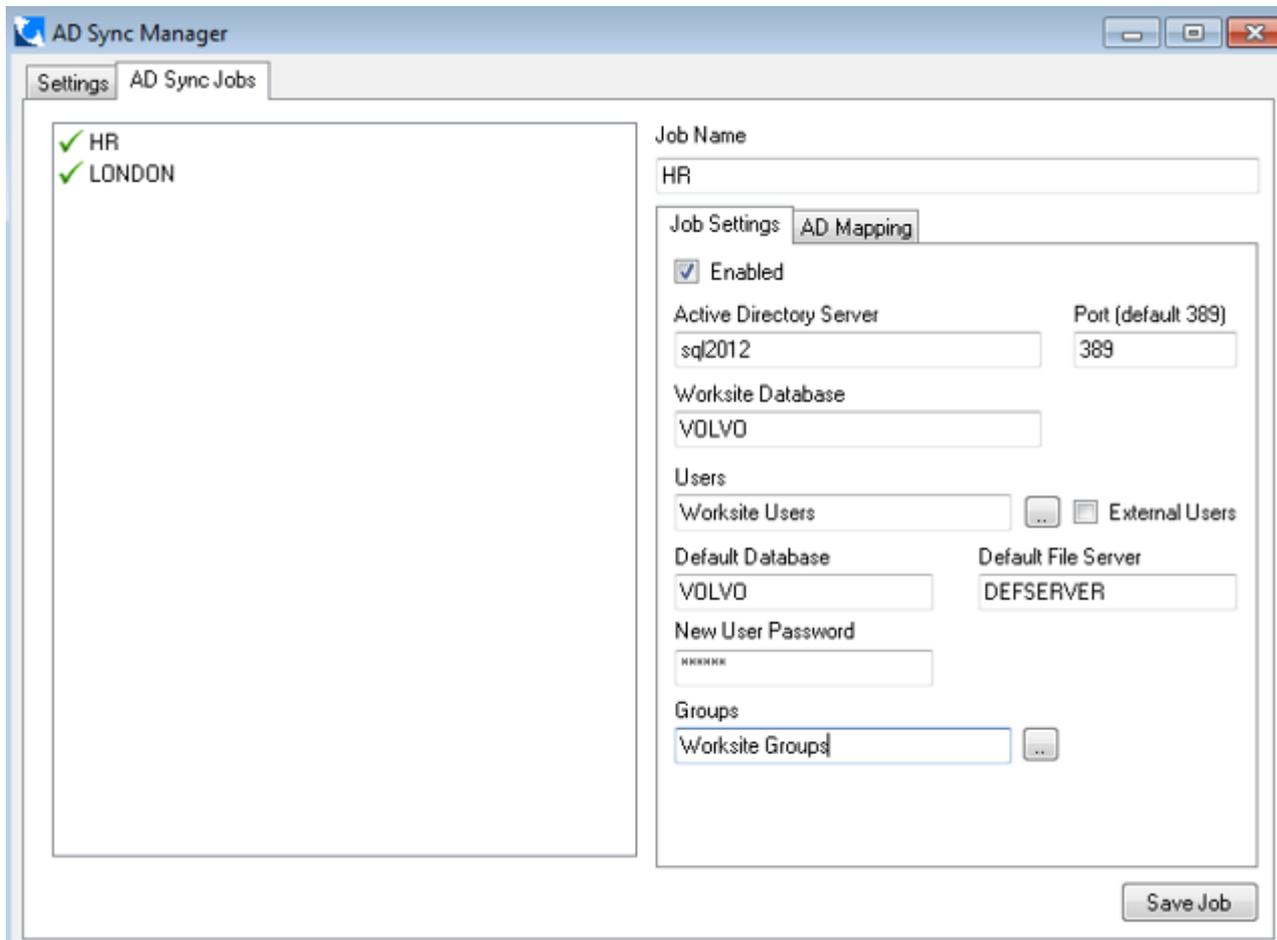
Start the AD Sync Manager application



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

| Field | Description | Typical Values |
|---|---|---|
| Active Directory Server | The domain controller server for the application to search | DCServer.uclogic.com or DCServer |
| Port | Enter the port number to communicate with the LDAP Server | Default is 389 |
| Users | An active directory group with a list of members that are to be synchronised with Worksite | Worksite Users |
| New User Password | Enter a password to assign to new users | |
| Default File Server | Enter the document file server to be used by the new user. If left blank the default DEFSERVER will be used | DOCSERVER2 |
| Groups | An active directory group with a list 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 Groups |
| Worksite database | Select the Worksite database to synchronise to. | LEGALDB |
| Default Database | Selects the default database to assign to new users | LEGALDB |
| 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
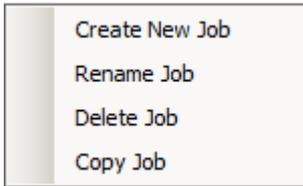
To create a new job, click Create New Job, then complete the fields in Job Settings and AD Sync Mapping before clicking Save Job.

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

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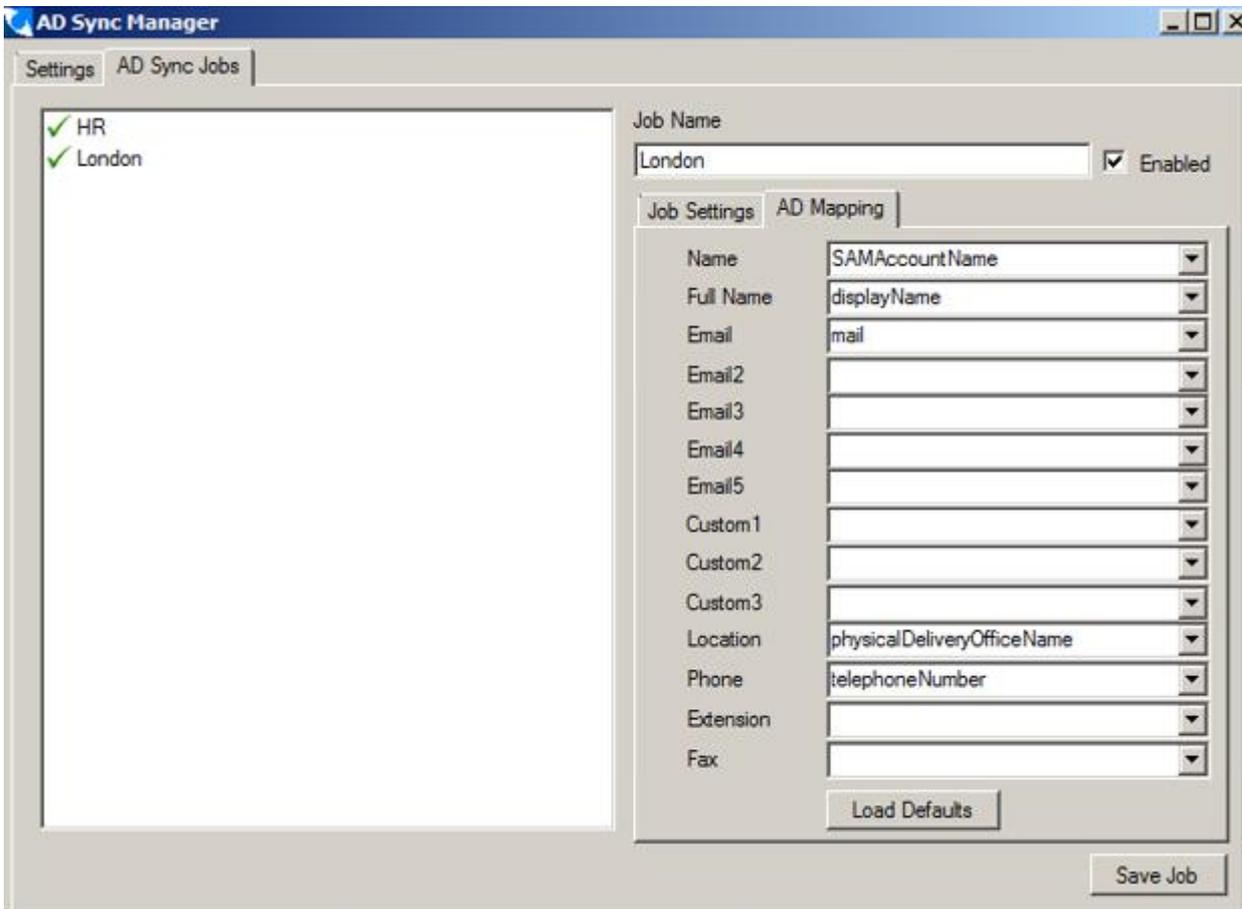


Some fields have recommended defaults. We suggest the Name is always mapped to SAMAccountName,

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



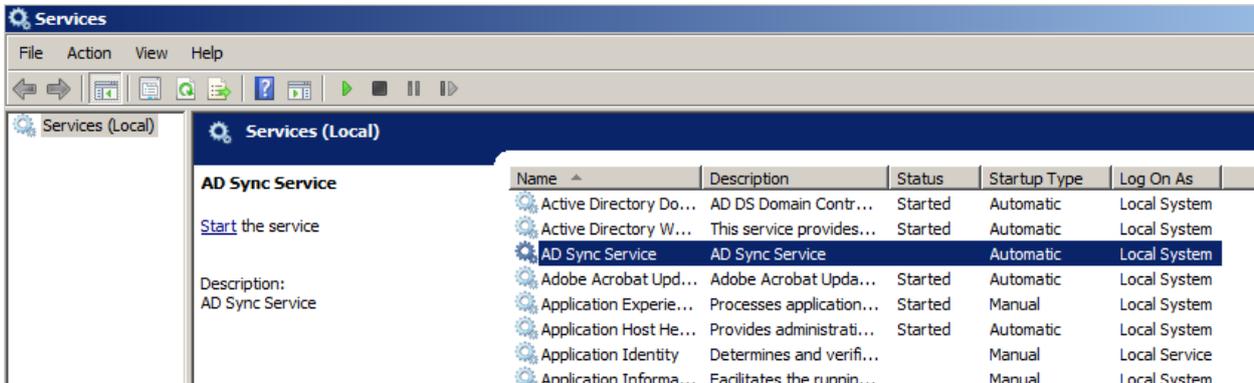You can also just add any text to be added by enclosing this between double quotes – see Custom3 above, or add the Job name by entering %ADSyncJobName% - see Custom1 above.

## 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



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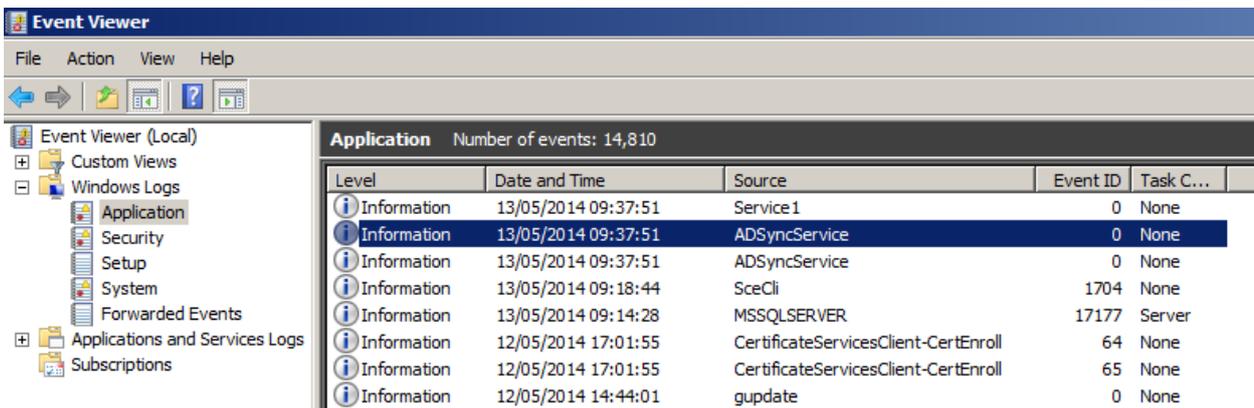
Once the service is started the log file will then be used to record activity. The log file location can be configured using the AD Sync Manager, under the Settings tab. The log file will be called ADFSyncServiceLog.txt. Each time the service is started a new log file is created and the old one will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

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

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