INTOACCESS
THE INTEGRATORS
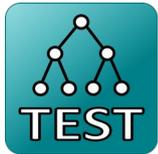
ADClientTestApp

Manual 1.0

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Introduction

This manual describes the use of the ADClientTestApp tool, which allows you to query Active Directory in a similar way as the Net2ADSyncServer does.

It should offer some insight into the correct value of some Net2ADSyncServer AD configuration parameters and whether the AD user used for the connection has enough rights to obtain (for example) certain attribute values.

System requirements

The program requires a recent Windows version with DotNet V4.6.2 or higher.

Installing

Please download the latest version from the https://www.intoaccess.com website. It is a Microsoft installer file, which you can simply run after the download finishes. You will need administrator rights to install the program.

The installation options are minimal. You can define an alternative installation directory if you like.
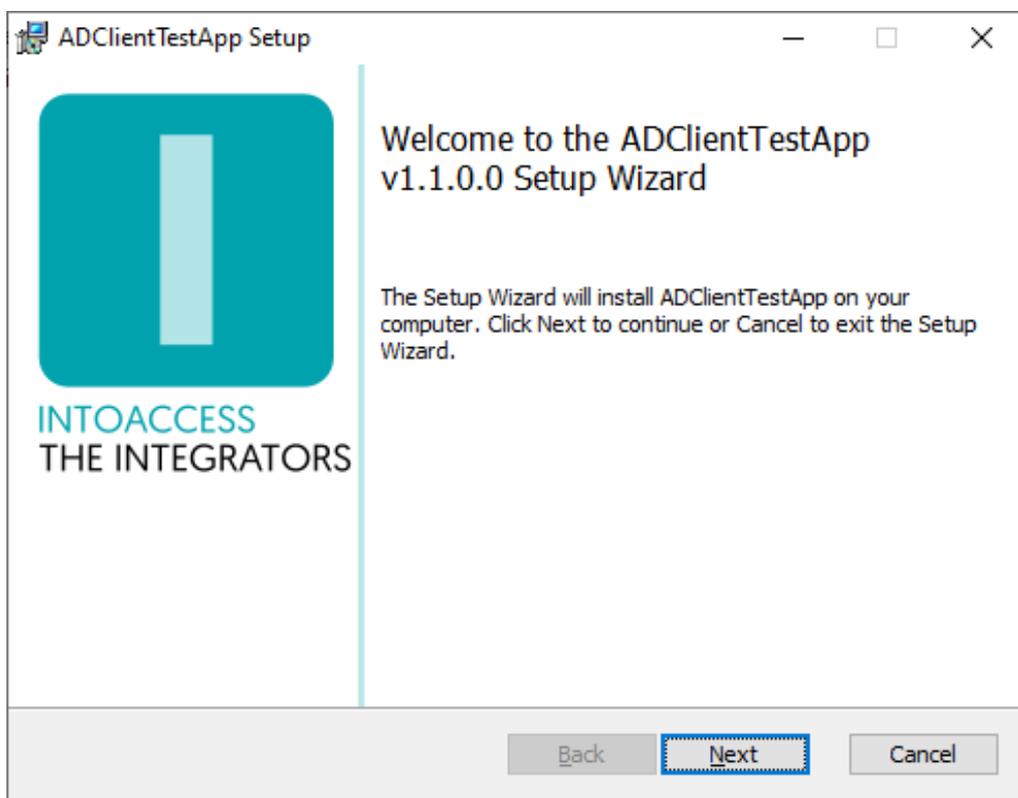
Executing

The program will end up in your programs menu, in the IntoAccess section. If your installation was successful, it should contain the ADClientTestApp program shortcut which you can click to start it.

Immediately after starting, the application will show a splash screen with some basic info like the application version and who made it.

Main screen

The application consists of basically just one screen, of which this chapter will give a more detailed description of its usage.

There are roughly three sections from top to bottom:

1. The Active Direction connection ('Server Settings')
2. The query parameters ('Query')
3. The query result ('Result', part of which is blurred in the image below for privacy reasons)
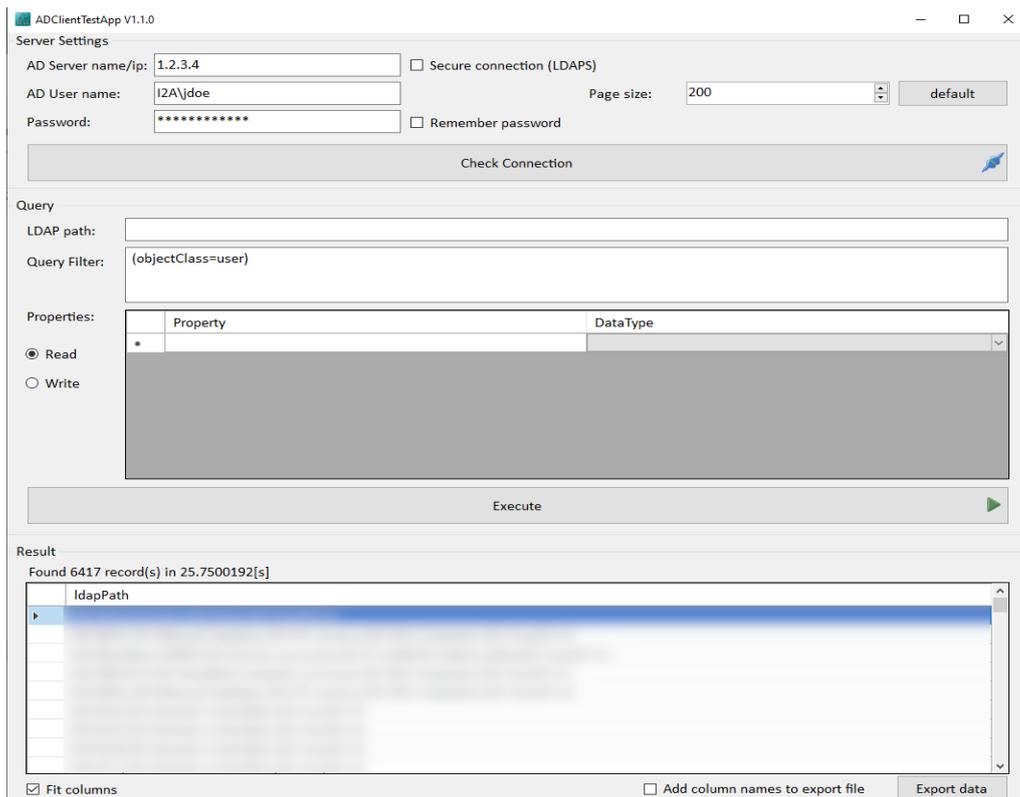
When using the application, you'll have to start with providing (working) Active Directory connection parameters, in order to 'unlock' the the other sections. As soon as pressing 'Check Connection' succeeds, the query section will become available to enter parameters.

Server Settings

You must provide:

- The AD server (or cluster) IP address or host name;

- A valid AD users, that is allowed to query AD;

- The AD user password.

Optionally you can select to use a secure LDAPS connection, if your AD server supports it. You can also change the page size, which is the number of objects in each chunk of query results. When it doubt, leave the default value in place.

For your convenience, the application will save any parameters that you provided that proof to be correct/successful, but by default not the password. Check that box if you have no problem with saving that also.

Query

The query section was mainly meant for defining:

- The LDAP path for a search (Read) or update (Write). If left out, it will automatically assume the 'root' of the LDAP tree.

- The Query Filter, which allows you to fetch objects of a particular type/class or membership. By default it is set to fetch objects of the class 'User'.

- Any additional attributes you may wish to retrieve, besides the standard ldapPath of retrieved objects. You can add (and remove) attributes using the provided grid. For example, for users you can add the 'company' attribute and select that its type is 'string'.

Please be careful when using the *Write* feature. You can use it to change the attribute value of an object, so in that case defining the attribute to update is mandatory. When *Write* is selected, the grid will show an extra column in which you can enter the value of the attribute. Note that this is a rarely used and experimental feature and **it is advised to stick to using Read only**.

Once you have entered all query parameters, you can click on the Execute button in order to perform it. Any results it finds, will end up in the Result section.

Note: removing a defined attribute from the grid, may be a little counter intuitive. To do so, click on the first column of the row/attribute you wish to remove, so it shows an right-arrow. Then press the 'Del' button, which will delete the definition.

Result

The result section is a grid again, but read only this time. Above the grid you will either see an error if the query failed, or the number of objects found and how long it took to fetch them.

The number of columns that the grid will show, depends on your attribute definitions. If you defined no attributes, it will just be the ldapPath 'attribute'. The grid will by default scale each column so that all values can fit in it. This can/will push the second and higher columns into the (non visible) scrollable area. If you rather have all columns fit into the available space, check the 'Fit columns' checkbox.

If needed you can export the results found to a CSV file, either with or without a column header. Several column separator characters are supported.

By right clicking on a cell value, you can select to copy its value onto the clipboard and subsequently paste it into the LDAP path field if you want to narrow your search or perform an update on that particular object.

Trouble shooting

The application will/should (also) log the cause of any errors in the applications log file. This file can be found in the folder: C:\intoaccess\logging\ADClientTestApp\

Uninstalling

To uninstall the program, go to the windows software configuration screen, select the ADClientTestApp entry and press the Uninstall/Remove button.

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