



Q-DAS Product Line

LDAP connection

Desktop applications

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Document History

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1 Functional description

This documentation shows how user-specific information stored in the Active Directory is automatically transferred to the Q-DAS desktop applications. This makes it possible to automatically fill report headers with the current information from the Active Directory. The user information is not permanently stored in the Q-DAS user management, only temporarily.

LDAP (Lightweight Directory Access Protocol), a directory access protocol, is used for this purpose.

An "Active Directory" directory usually consists of several levels. These can be subdivided as follows:

- OU (Organizational Unit)
- DC (Domain Component)
- CN (Common Name)

To ensure a correct connection, these levels must be known.



The "LDAP.EXE" provided by Q-DAS is required for LDAP configuration. This is available after a standard installation. If this is not the case, you can request the required EXE via the Q-DAS homepage using the contact form or e-mail contact.

 LDAP.exe

07.04.2022 10:59

Anwendung

3.315 KB 13.0.6.3 (57699) x86



Due to the fact that the data is automatically obtained from the Active Directory, no other user can see the data of another user in the Q-DAS Desktop applications.

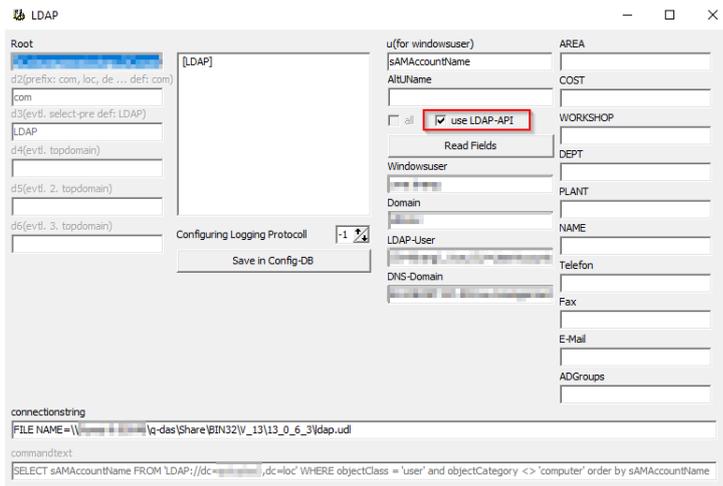


All users who want to use the LDAP connection for the Q-DAS Desktop applications must be available in the same organizational unit in the Active Directory.



2 Configuration LDAP.EXE

If available, the user-specific users are read out via LDAP. For this purpose, an entry must be made in the configuration database. This assigns all defined LDAP fields accordingly and fills them with content. To get these fields displayed, the Q-DAS tool "LDAP.EXE" must be started. The check mark at "use LDAP-API" must be set. The parameters for the connection to the Active Directory are read automatically.



It should be noted that the organizational units must be specified from the lowest level to the highest level in the directory.



The LDAP.EXE uses the Active Directory directory of the current Windows user. Under certain circumstances, there may be an entry with the current user in the "Root" field. This entry (user name) must be removed manually from the string.

2.1 K-fields for output within the Q-DAS application

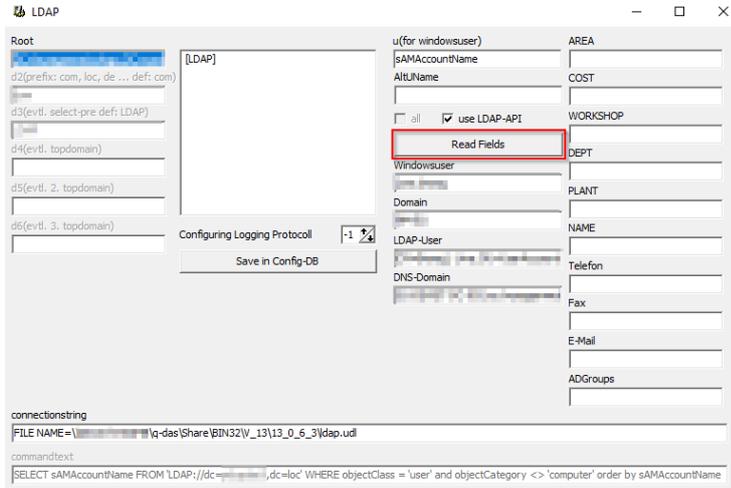
Subsequently, the assignment and output fields that are to be transferred from the Active Directory can be stored. Various output fields are available for this purpose. In order to create a link to the user data, the Active Directory designations (attributes) must be entered in the K fields. The assignment and output fields are briefly explained below:

Assignment or output field	Designation	Q-DAS K field
u (for windowsuser)	Login user field (if not set: sAMAccountName)	K9509
AltUName	Alternate username*	K9510
Area	Area	K9511
Cost	Cost center*	K9517
Workshop	Workshop*	K9516
Dept	Department*	K9512
Plant	Company*	K9501
Name	Name*	K9510
Telephone	Phone number*	K9513
Fax	Fax number*	K9514
E-mail	E-Mail Address*	K9515

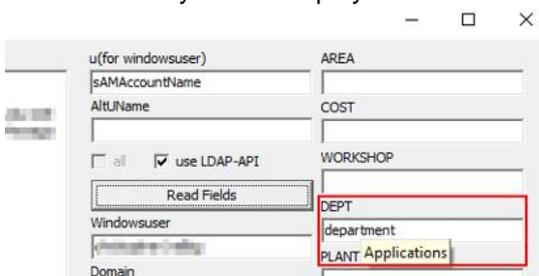
*can be ignored if not needed.

2.2 LDAP function test

The "Read Fields" button can be used to test whether the selected attributes are correctly addressed.



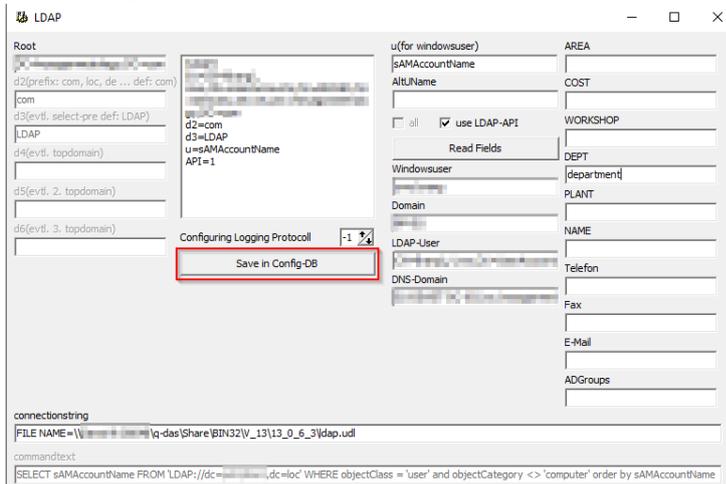
If the settings are correct, you can hover the mouse cursor over a selected attribute and the corresponding Active Directory will be displayed.





2.3 Save settings to configuration database

Subsequently, the settings made must be saved in the corresponding configuration database via the "Save in Config-DB" button. For this purpose, the *.UDL link file must be selected, which contains the correspondingly used configuration database.



The *.UDL link file required here with the configuration database used must be created manually.

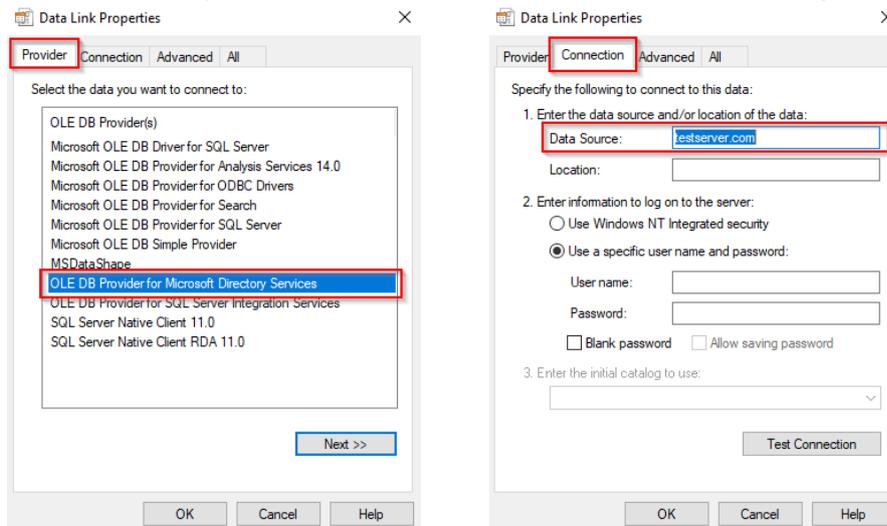
2.4 Create LDAP link file (*.UDL)

In order to enable the Q-DAS Desktop application to connect to the Active Directory, a *.UDL link file must be created, in which the required connection parameters to the Active Directory are stored.

The following settings are to be made here:

Provider: OLE DB Provider for Microsoft Directory Services

Data source: Active Directory Server Directory
(to be found in the Q-DAS LDAP.EXE under the entry "DNS Domain")



The *.UDL link file required here must be created manually.

2.5 Activation in product INI

In order to activate the LDAP connection, an entry within the used V13 product INI file in section [SYSTEM] with the reference to the *.UDL connection file to be used, must be added.

```

V13_qs_STAT.INI
37 ;-----
38 ;-----
39 ;-----
40 ;-----
41 ;-SYSTEM-----SYSTEM-----SYSTEM-----SYSTEM-----SYSTEM-----
42 ;-----
43 [system]
44
45 LDAP=\\[redacted]\q-das\Share\BIN32\V_13\13_0_6_3\QDAS_LDAP.UDL
46
  
```

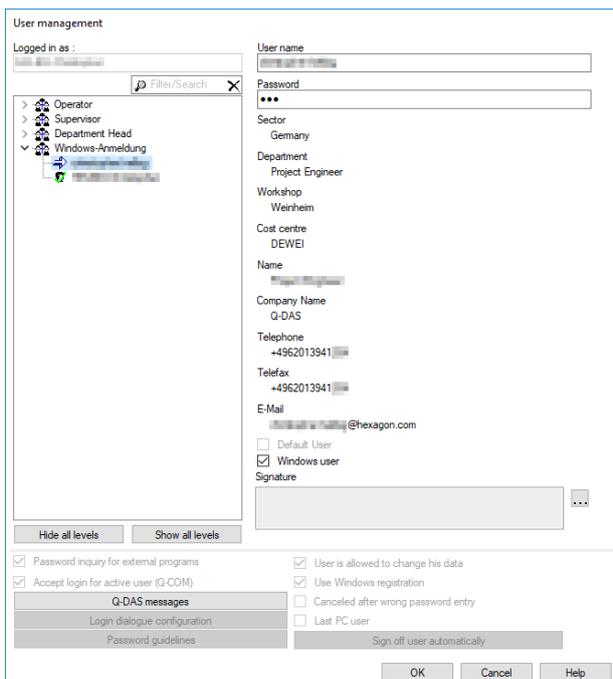


The entry must be present in every product-specific INI.

2.6 Function test

If the Windows-user login is enabled and the LDAP connection is working properly, you can use the Q-DAS user management or in a report file to check whether the entries for the respective user are be transferred correctly. For this user, the user data fields can no longer be used within the Q-DAS software. If a customization is made in the Active Directory, this will also be done in the the Q-DAS desktop applications.

2.6.1 View within Q-DAS user management



2.6.2 View within the Q-DAS report file:

 LDAP - User Information	
<i>Plant Sector</i>	Germany
<i>Op.Name.</i>	■■■■■ ■■■■■
<i>Department/Cost area/Prod.</i>	Project Engineer
<i>Shop floor</i>	Weinheim
<i>Cost center</i>	DEWEI
<i>Telephone Number</i>	+4962013941■■■
<i>Telefax Number</i>	+4962013941■■■
<i>E-Mail Address</i>	■■■■■■■■■■@hexagon.com