

UNIVERSITÄT GREIFSWALD  
Wissen lockt. Seit 1456



# Apache Directory Studio: Achtung, die Indianer sind im LDAP los!

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**SLAC** 20  
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# Was braucht der LDAP-Admin?

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Einen Browser für sein Verzeichnis.

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Was sollte der Browser an Features mitbringen?

- lokal laufen (unter Linux!) & leicht zu installieren
- TLS/SSL
- Daten- & Schemabrowsing
- einfache & komplexe Suchen
- einfache & komplexe Modifikation von Daten
- Export & Import

# Kandidaten

- LDAP Admin Tool (kostenpflichtig)
- JXplorer (ungetestet)
- Apache Directory Studio
- diverse Command Line Tools (z. B. Idapvi)

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⇒ es sieht sehr mau aus

# Übersicht

- + erfüllt alle Wünsche
- + steht unter freier Lizenz kostenfrei plattformübergreifend zur Verfügung
- + empfohlene Version: 2.0.0.v20210213-M16 (M17 hat einen TLS-Bug)
- benötigt eine JRE
- letzte Version ist von 2021

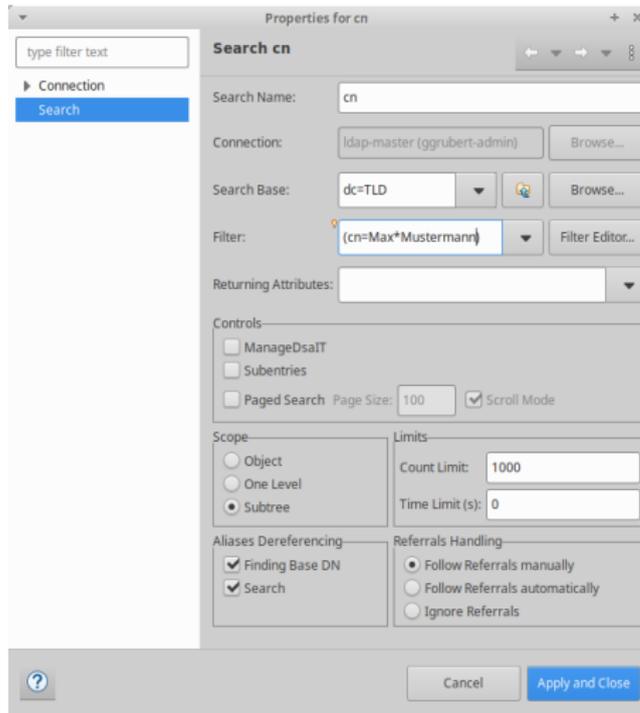
# Übersicht

The screenshot displays the Apache Directory Studio interface. The main window is titled "LDAP - dc=TLD - ldap-master" and shows the LDAP browser view. The left pane shows the LDAP tree structure, with "dc=TLD (3)" selected. The right pane shows the details for the selected entry, displaying a table of attributes and their values.

Attribute Description	Value
<i>objectClass</i>	<i>dcObject (auxiliary)</i>
<i>objectClass</i>	<i>organization (structural)</i>
<i>objectClass</i>	<i>top (abstract)</i>
dc	TLD
o	TLD

The bottom pane shows the "Connections" tab, listing several LDAP servers, with "ldap-master" selected. The "Progress" pane at the bottom right indicates "No operations to display at".

# Suchen & Bearbeiten



# Suchen & Bearbeiten

The screenshot displays the Apache Directory Studio interface. The main window is titled "LDAP - uid=testuser," and contains several panes:

- LDAP Browser:** Shows a tree view of the LDAP directory structure. The entry "uid=testuser,ou=79100000...i-greifswald,dc=de,dc=TL" is selected.
- Attribute Table:** A table showing the attributes and values for the selected entry. The table has two columns: "Attribute Description" and "Value".
- Outline:** A list of all attributes for the selected entry, including "userPassword", "mail", "description", etc.
- Connections:** A list of LDAP servers, with "ldap-mast" selected.
- Modification Logs:** A pane at the bottom showing search logs.

Attribute Description	Value
objectClass	inetOrgPerson (structural)
objectClass	organizationalPerson (structural)
objectClass	posixAccount (auxiliary)
objectClass	shadowAccount (auxiliary)
objectClass	top (abstract)
objectClass	UniHGW-GuestStaff (auxiliary)
cn	Max Mustermann
gidNumber	54989
homeDirectory	/home/testuser
sn	Mustermann
uid	testuser
uidNumber	54989
UniHGW-AccountActive	TRUE
UniHGW-DateOfBirth	1970-01-01
UniHGW-EduPersonPrincipal	testuser@uni-greifswald.de
UniHGW-EndOfValidity	2015-01-05
UniHGW-Gender	M
UniHGW-IdentityChecked	FALSE
UniHGW-NAShomeDirectory	//spsc.rz.uni-greifswald.de/staff/testu
UniHGW-PrimaryEmailAddress	max.mustermann@uni-greifswald.de
UniHGW-UserPasswordHistory	{SHA512}010mIVT607nXCW9MXsIR8

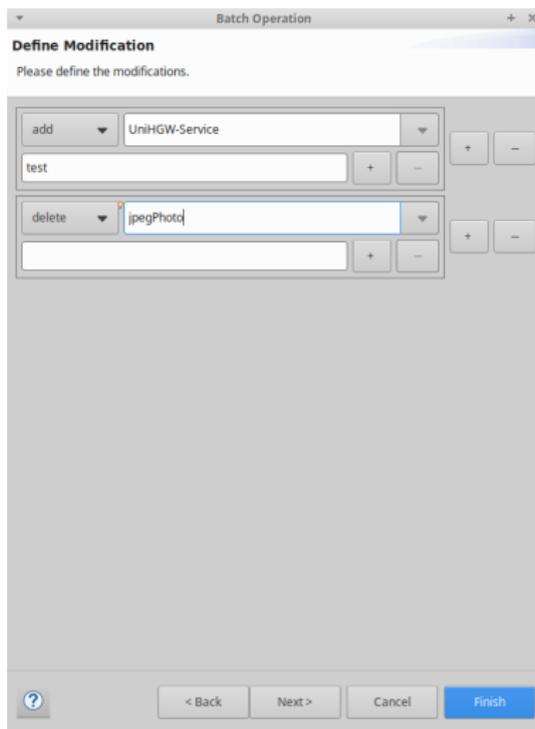
# Quicksearch

The screenshot shows the Apache Directory Studio LDAP Browser interface. The search bar at the top contains the text "ou" followed by a dropdown arrow, an equals sign "=" followed by a dropdown arrow, and the search term "0006" followed by a dropdown arrow. To the right of the search bar are several icons, including a magnifying glass and a key icon.

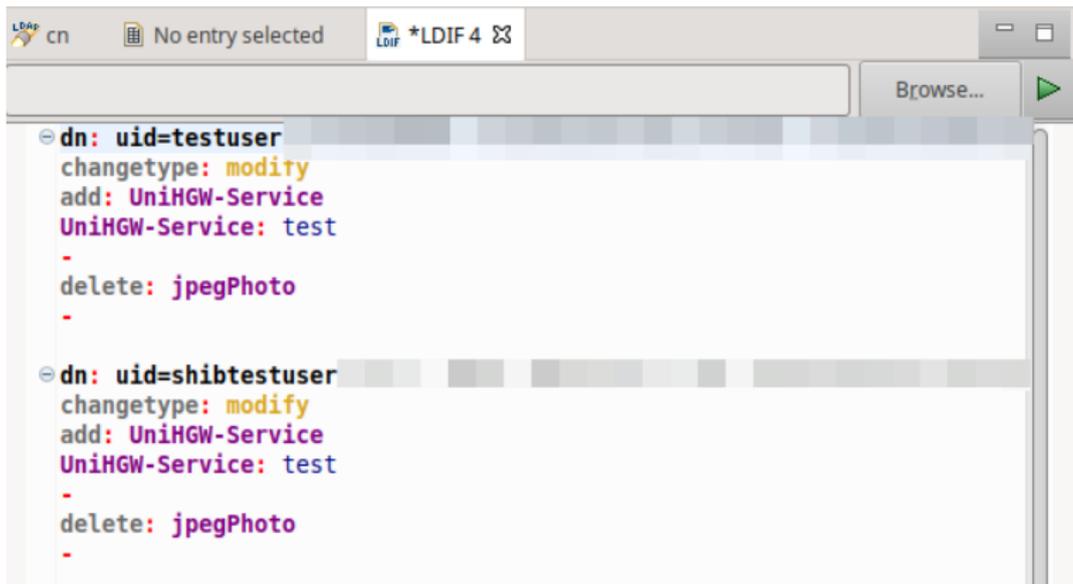
The main display area shows a tree view of the LDAP directory structure. The root node is "DIT". Under "DIT", there is a "Root DSE (2)" node, which contains a "dc=TLD (3)" node. Under "dc=TLD (3)", there is a "cn=replicator" folder, a "dc=de" node, and a "dc=Konfigurationen (6)" node. Under "dc=Konfigurationen (6)", there are three sub-nodes: "dc=DHCP", "dc=DNS", and "dc=NetworkAccessControl (69)". The "Quick Search (1)" node is highlighted in blue and contains three search results:

- ou=0006,dc=NetworkAccessC...dc=Konfigurationen,dc=TLD
- ou=0199
- ou=0201

# Batch-Operationen



# Batch-Operationen



The screenshot shows the Apache Directory Studio interface with a list of LDIF operations. The window title is "LDAP cn" and the toolbar shows "No entry selected" and "LDIF \*LDIF 4". A "Browse..." button is visible on the right. The LDIF content is as follows:

```
dn: uid=testuser
changetype: modify
add: UniHGW-Service
UniHGW-Service: test
-
delete: jpegPhoto
-

dn: uid=shibttestuser
changetype: modify
add: UniHGW-Service
UniHGW-Service: test
-
delete: jpegPhoto
-
```

# Let's start

Demo Video