

UCS Univention Corporate Server

- Basics - <https://www.univention.de/blog-de/2016/07/kurz-erklaert-was-steckt-hinter-den-begriffen-ldap-openldap/>
- Forum <https://help.univention.com/>
- Support Wiki: https://wiki.univention.de/index.php?title=Main_Page
- Benutzerhandbuch <https://docs.software-univention.de/handbuch-4.4.html>

Zugang

Port forwards

Per SSL <https://tokoeke.netzwissen.de:8443>

Per SSH `ssh -p 8422 tokoeke.netzwissen.de`

Konfiguration per shell

UCR - Direkte Konfiguration im System

ucr

- Auslesen ucr dump
- Setzen ucr set
- Löschen ucr unset

Beispiel: Ändern der IP über cli.

```
ucr set interfaces/ens18/address='138.201.52.53'  
ucr set interfaces/ens18/broadcast='138.201.52.255'  
ucr set interfaces/ens18/netmask='255.255.255.192'  
ucr set interfaces/ens18/network='138.201.52.1'  
ucr set gateway='138.201.52.1'
```

Danach reboot. Achtung nie direkt ändern, da alles über templates läuft.

UDM Univention Directory Manager

Konfiguration der Objekte im OpenLDAP. Allgemeine Syntax

`udm [modulname] [aktion] [option]`

Beispiel

```
udm oidc/rpservice create --set name=<internal_name> \  
  --position cn=oidc,cn=univention,$(ucr get ldap/base) \  
  --set clientid=<client_identifier> \  
  --set clientsecret=<averylongpassword> \  
  --set trusted=yes \  
  --set applicationtype=web \  
  --set redirectURI=<URL_from_client_documentation>
```

Objekte auflisten

```
udm oidc/rpservice list  
  
udm oidc/rpservice create --set name=owncloud oidc app \  
  --position cn=oidc,cn=univention,$(ucr get ldap/base) \  
  --set clientid=<client_identifier> \  
  --set clientsecret=<averylongpassword> \  
  --set trusted=yes \  
  --set applicationtype=web \  
  --set redirectURI=<URL_from_client_documentation>
```

Netzwerkeinstellungen

```
root@ucs-2370:~# ucr dump | grep interfaces  
interfaces/ens18/address: 136.243.85.155  
interfaces/ens18/broadcast: 136.243.85.159  
interfaces/ens18/ipv6/acceptRA: false  
interfaces/ens18/netmask: 27  
interfaces/ens18/network: 136.243.85.128  
interfaces/ens18/route/route1: net 138.201.52.40 netmask 255.255.255.248 gw  
138.201.52.41  
interfaces/ens18/route/route2: net 136.243.85.152 netmask 255.255.255.248 gw  
138.201.52.41  
interfaces/ens18/start: true  
interfaces/ens18/type: static  
interfaces/ens19/address: 10.10.10.17  
interfaces/ens19/broadcast: 10.10.10.255  
interfaces/ens19/ipv6/acceptRA: false  
interfaces/ens19/netmask: 255.255.255.0  
interfaces/ens19/network: 10.10.10.0  
interfaces/ens19/start: true  
interfaces/ens19/type: static  
interfaces/handler: ifplugd  
interfaces/primary: ens19  
mail/postfix/inet/interfaces: 127.0.0.1  
samba/interfaces/bindonly: yes  
samba/interfaces: lo <interfaces/primary>  
samba/register/exclude/interfaces: docker0
```

In Kurzform

```
ucr search --brief interfaces
```

```
ucr search --brief bridge
```

```
ucr search --brief gateway
```

Statische Routen setzen

<https://help.univention.com/t/configuring-static-routes/8120>

```
root@ucs-2370:~# univention-config-registry set
interfaces/ens18/route/route1="net 138.201.52.40 netmask 255.255.255.248 gw
138.201.52.41"
Setting interfaces/ens18/route/route1
Multifile: /etc/network/interfaces
ifdown: interface ens18 not configured
File: /etc/dhcp/dhclient.conf
RTNETLINK answers: File exists
ifup: failed to bring up ens18
File: /etc/default/ifplugd
File: /etc/issue
File: /usr/share/univention-management-console/meta.json
File: /etc/welcome.msg
```

DNS Einstellungen

```
ucr search --brief ^nameserv dns/forward
```

Jede Änderung am Netz mit

```
/etc/init.d/networking restart
```

bestätigen

LDAP Suche

<https://help.univention.com/t/cool-solution-ldap-search-user-simple-authentication-account/11818>

Shell Suche erfolgt über einen LDAP User vom Typ "simple authentication account"

lokale Suche

```
ldapsearch -x -D uid=LDAPsearch,cn=users,$(/usr/sbin/ucr get ldap/base) -W uid=Administrator
```

Remote Suche

LDAP Ports

```
LDAP Port: 7389
LDAP Port (SSL): 7636
```

```
ldapsearch -H LDAP://10.10.10.17 -x -D uid=LDAPsearch,cn=users,dc=netzwissen,dc=de -W uid=Administrator
```

UCS bietet auf allen Systemen das Kommandozeilen-Tool „univention-ldapsearch„. Damit ist es „root“ Benutzern möglich, mit dem Account des aktuellproeen UCS Systems auf das LDAP zuzugreifen. Das Tool nutzt im Hintergrund „ldapsearch„, übergibt aber die korrekten Werte für LDAP Server, LDAP Basis und Authentifikation. Es reicht also die Angabe des LDAP Filters für eine Suche:

```
univention-ldapsearch "(&( objectClass=person)(uid=Administrator))"
```

LDAP Integration

Beispiel REDMINE -

<https://help.univention.com/t/cool-solution-ldap-search-user-simple-authentication-account/11818>

Integration Dokuwiki

LDAP Auth Dokuwiki gegen UCS

```
<?php
/**
 * Univention Corporate Server configuration for LDAP Auth Plugin
 * See https://www.dokuwiki.org/plugin:authldap:ucs for details and
 * explanation
 */
$conf['useacl']      = 1;
$conf['openregister']= 0;
$conf['superuser']   = '@Domain Admins';
$conf['authtype']    = 'authldap';

$conf['plugin']['authldap']['server']      = 'ldap://1.2.3.4:389';
$conf['plugin']['authldap']['starttls']    = 1;
$conf['plugin']['authldap']['usertree']     = 'cn=users, dc=basedn';
$conf['plugin']['authldap']['grouptree']    = 'cn=groups, dc=basedn';
$conf['plugin']['authldap']['userfilter']   = '(&(uid=%{user})(objectClass=posixAccount))';
```

```
$conf['plugin']['authldap']['groupfilter'] =
'(&(objectClass=posixGroup)(|(gidNumber=%{gid})(uniqueMember=%{dn})))';

$conf['plugin']['authldap']['mapping']['mail'] = 'mailprimaryaddress';>
```

OIDC OpenID Connect

Kopano Konnectd läuft als Docker Container

```
systemctl status docker-app-openid-connect-provider.service
```

Zugang zum Container

```
docker exec -it $CONTAINER_NAME sh

printenv | grep -i "identifizier"
```

```
root@idp:/etc/kopano# systemctl status docker-app-openid-connect-
provider.service
● docker-app-openid-connect-provider.service - LSB: Start the Container for
openid-connect-provider
   Loaded: loaded (/etc/init.d/docker-app-openid-connect-provider;
   generated)
   Active: active (exited) since Sat 2021-08-28 08:24:23 CEST; 5s ago
     Docs: man:systemd-sysv-generator(8)
   Process: 6322 ExecStart=/etc/init.d/docker-app-openid-connect-provider
   start (code=exited, status=0/SUCCESS)
```

und

```
root@idp:/etc/kopano# docker ps -a
CONTAINER ID        IMAGE                                     STATUS              PORTS
COMMAND            CREATED              STATUS              PORTS
NAMES
152e4906aef3        docker.software-univention.de/openid-connect-
provider:2.2-konnect-0.33.11-2   "wrapper.sh"        5 weeks ago
Exited (127) 4 minutes ago        loving_heisenberg
1f4834f74656        docker.software-univention.de/dudle:1.2
"/start.sh"        5 weeks ago         Up 8 days
0.0.0.0:40001->80/tcp    romantic_dewdney
root@idp:/etc/kopano#
```

Service Registrierung per shell

```
udm oidc/rpservice create --set name=<internal_name> \
--position cn=oidc,cn=univention,$(ucr get ldap/base) \
--set clientid=<client_identifizier> \
--set clientsecret=<averylongpassword> \
```

```
--set trusted=yes \  
--set applicationtype=web \  
--set redirectURI=<URL_from_client_documentation>
```

Siehe <https://docs.software-univention.de/handbuch-4.4.html#domain:oidc>

Kopano Connect neu starten

```
root@idp:/etc/kopano# systemctl stop docker-app-openid-connect-  
provider.service  
  
root@idp:/etc/kopano# systemctl start docker-app-openid-connect-  
provider.service
```

OpenID discovery .well-known URLs

Daimler

```
curl -v https://sso.daimler.com/.well-known/openid-configuration -H  
"Accept: application/json"
```

Netzwissen IDP

Forum

```
https://ucs-sso.netzwissen.de/auth/realms/forum/.well-known/openid-configuration
```

Owncloud2

<https://owncloud2.netzwissen.de/.well-known/openidconnect/redirect>

<https://owncloud2.netzwissen.de/.well-known/openid-configuration>

Forum

<https://meta.discourse.org/t/openid-connect-authentication-plugin/103632>

Debugging UCS

<https://github.com/univention/openid-connect-provider/blob/02e492f22583197d0e01d70c4fbc304a7bfa0b1/app/inst.tmpl#L38>

<https://github.com/univention/openid-connect-provider/blob/master/app/settings>

univention-app logs openid-connect-provider

Mail Relay

Alias

Problem:

How can e-mails sent to system users be forwarded to another e-mail address? Solution:

The system mail inbox is generally found in the `/var/mail/systemmail` directory and can only be read by the root user. To forward system mails to another user, the Univention Configuration Registry variable `mail/alias/root` can be configured.

Additional forwarding is also possible with further UCR variables (e.g.: `"mail/alias/systemmail"`, `"mail/alias/postmaster"`).

Setting the Univention Configuration Registry variable:

```
univention-config-registry set mail/alias/root=<username>@<domainname>
```

Updating the Postfix alias database:

```
postalias /etc/aliases
```

Reloading the Postfix configuration:

```
postfix reload
```

Selbstregistrierung

<https://idp.netzwissen.de/univention/self-service/>

<https://www.univention.de/blog-de/2020/05/benutzer-registrieren-sich-selbst-neuer-self-service-fuer-suse-und-ucs/>

<https://www.univention.com/blog-en/2019/04/ucs-4-4-self-services-new-features/>

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