

# Operation

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# Useful CLI Commands

## Univention Corporate Server

### Useful CLI command line troubleshooting tools

The following is a list of CLI commands used for administering the Univention Corporate Server (UCS)

#### UCS Show Commands

| Command                       | Description          |
|-------------------------------|----------------------|
| <b>ucr get server/role</b>    | Show the server role |
| <b>ucr get domainname</b>     | Show Domainname      |
| <b>ucr get windows/domain</b> | Show WIndows Domain  |

#### UCS Edit Commands

| Command  | Description   |
|--|---|
| <b>/usr/share/univention-samba4/scripts/purge_s4_computer.py --computername=backupdomaincontroller</b> | Uninstallation of Backup Domain Controller, see here: <a href="https://docs.software-univention.de/ext-windows/latest/en/#ext-win-s4-deinstall">https://docs.software-univention.de/ext-windows/latest/en/#ext-win-s4-deinstall</a> |

#### Samba Show Commands

For Samba 4 Troubleshooting check this article: <https://help.univention.com/t/samba-4-troubleshooting/32>

| Command                        | Description  |
|--------------------------------|--|
| <b>samba-tool drs showrepl</b> | To get an overview of the current drs replication status you can use this command at every UCS Samba 4 DC which is joined to the domain. |

| Command  | Description  |
|--|--|
| <b>root@master:~# univention-s4search<br/>cn=master msDS-KeyVersionNumber</b><br><br><b>root@backup:~# univention-s4search<br/>cn=master msDS-KeyVersionNumber</b> | <p>For a given user, computer, or built-in account, this attribute specifies the Kerberos version number of the current key for that account. Therefore it can be used to compare the replication status of systems.</p> <p>The values have to be equal - otherwise the replication seems to be broken. If a system uses another value in comparison to the master, then it has to be rejoined or you first try to replicate just the Server account.</p> <p>Example:</p> <pre> root@master:~# univention-s4search cn=master msDS- KeyVersionNumber dn: CN=MASTER,OU=Domain Controllers,DC=test,DC=domain msDS-KeyVersionNumber: 7 root@backup:~# univention-s4search cn=master msDS- KeyVersionNumber dn: CN=MASTER,OU=Domain Controllers,DC=test,DC=domain msDS-KeyVersionNumber: 1 </pre> |
| <b>samba-tool dbcheck --cross-ncs</b>  | <p>This checks the database of samba4. Samba saves its data not just in one database, but it splits it up in 5 partitions. To check all partitions and not just the basic one you need to add the parameter <code>--cross-ncs</code></p>   |
| <b>samba-tool dbcheck --cross-ncs --fix --yes</b>  | To fix upcoming issues you can use <code>--fix</code> and <code>--yes</code> if you do not want to be asked for approval each error or warning.  |
| <b>/usr/share/univention-samba4/scripts/check_essential_samba4_dns_records.sh</b>  | For a complete overview of the relevant dns records.   |