



UiO : **University of Oslo**

Lightning Talk – ZABBIX-CLI

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```
EOF
add_host_to_hostgroup show_alarms
add_user_to_usergroup show_global_macros
add_usergroup_permissions show_history
clear show_host
create_host show_host_inventory
create_host_interface show_host_usermacros
create_hostgroup show_hostgroup
create_notification_user show_hostgroups
create_user show_hosts
create_usergroup show_items
define_global_macro show_template
define_host_monitoring_status show_templates
define_host_usermacro show_triggers
export_configuration show_usergroup
import_configuration show_usergroups
link_template_to_host show_usermacro_host_list
load_balance_proxy_hosts show_usermacro_template_list
move_proxy_hosts show_users
quit unlink_template_from_host
remove_host update_host_inventory
remove_host_from_hostgroup update_host_proxy
remove_user update_usergroup_permissions
remove_user_from_usergroup

Miscellaneous help topics:
=====
shortcuts support

Undocumented commands:
=====
help

[zabbix-cli rafael@zabbix-ID]$ show_host
-----
# Host: ftp1.uio.no
# Filter:
-----


| HostID | Name        | Hostgroups                                            | Templates                                                                                                                                                                             | Zabbix agent | Maintenance        | Status        |
|--------|-------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|---------------|
| 10511  | ftp1.uio.no | All-hosts<br>Role-rhel5-servers<br>Role-dell-hardware | Template-cfengine-client<br>Template-icmp-ping<br>Template-inventory-linux<br>Template-os-linux<br>Template-snmp-dell-openmanage<br>Template-yum-rhel5<br>Template-zabbix-agent-linux | Unknown (0)  | No maintenance (0) | Monitored (0) |


[zabbix-cli rafael@zabbix-ID]$
```







/usr/bin/zabbix-cli

/usr/bin/zabbix-cli-init

```
zabbix-cli-init https://zabbix.example.org/
```

Configuration file:

`$HOME/.zabbix-cli/zabbix-cli.conf`

`[.....]`

`system_id=PROD`

`logging=ON`

`[.....]`

Logfile:

`$HOME/.zabbix-cli/zabbix-cli.log`

Interactive shell mode:

```
[user@host]# zabbix-cli
```

```
#####  
Welcome to the Zabbix command-line interface (v.1.5.4)  
#####  
Type help or \? to list commands.
```

```
[zabbix-cli joshua@WOPR]$
```

Command-line mode:

```
[user@host]# zabbix-cli <param> -C <command>
```

```
[user@host]# zabbix-cli --help
```



```
login - Konsole
File Edit View Bookmarks Settings Help
#####
Welcome to the Zabbix command-line interface (v.1.5.4)
#####
Type help or \? to list commands.

[zabbix-cli rafael@zabbix-ID]$ help

Documented commands (type help <topic>):
=====
EOF                                shell
add_host_to_hostgroup              show_alarms
add_user_to_usergroup              show_global_macros
add_usergroup_permissions          show_history
clear                               show_host
create_host                        show_host_inventory
create_host_interface              show_host_usermacros
create_hostgroup                   show_hostgroup
create_notification_user           show_hostgroups
create_user                        show_hosts
create_usergroup                   show_items
define_global_macro                show_template
define_host_monitoring_status      show_templates
define_host_usermacro              show_triggers
export_configuration               show_usergroup
import_configuration               show_usergroups
link_template_to_host              show_usermacro_host_list
load_balance_proxy_hosts           show_usermacro_template_list
move_proxy_hosts                   show_users
quit                               unlink_template_from_host
remove_host                        update_host_inventory
remove_host_from_hostgroup         update_host_proxy
remove_user                        update_usergroup_permissions
remove_user_from_usergroup

Miscellaneous help topics:
=====
shortcuts support

Undocumented commands:
=====
help
```

help <command_name>

```
[zabbix-cli joshua@WOPR]$ show_host
```

```
-----  
# Host: zabbix-srv01.uio.no
```

```
# Filter:  
-----
```

```
[...]
```

```
[zabbix-cli joshua@WOPR]$ show_host zabbix-  
srv01.uio.no ""
```

```
[...]
```

```
[zabbix-cli joshua@WOPR]$ show_host zabbix*proxy* ""  
[...]
```

```
[zabbix-cli joshua@WOPR]$ show_alarms *ICMP* "" "" ""
```

```
[zabbix-cli joshua@WOPR]$ show_alarms *ICMP* "" Role-  
rhel5-servers,Role-rhel6-servers ""
```

```
[user@host]$ zabbix-cli -o json -C "show_host zabbix-srv01.uio.no ''"
{
  "0": {
    "groups": [
      {
        "groupid": "13",
        "name": "All-hosts"
      },
      {
        "groupid": "94",
        "name": "Siteadmin-it-drift-gd-gid"
      },
      [.....]
    ],
    "groupid": "108",
    "name": "Role-rhel7-servers"
  },
  "host": "zabbix-srv01.uio.no",
  "hostid": "10001",
  "maintenance_status": "No maintenance (0)",
  [.....]
```

```
for HOST in
    `zabbix-cli -o json -C "show_host *zabbix*proxy*" | jq -a '.[].host'`;
do
    echo $HOST;
    zabbix-cli -C "update_host_inventory $HOST type 'Zabbix proxy'";
done
```

```
[user@host]$ cat zabbix-bulk.txt
```

```
# HOSTGROUPS
```

```
create_hostgroup Zabbix-conf-test
```

```
#HOSTS
```

```
create_host zabbix-conf01.example.org Zabbix-conf-test .* 0
```

```
create_host zabbix-conf02.example.org Zabbix-conf-test .* 0
```

```
create_host zabbix-conf03.example.org Zabbix-conf-test .* 0
```

```
# TRIGGERS
```

```
link_template_to_host Template-icmp-ping zabbix-conf01.example.org
```

```
# DELETES
```

```
remove_host zabbix-conf01.example.org
```

```
remove_host zabbix-conf02.example.org
```

```
remove_host zabbix-conf03.example.org
```

```
[user@host]$ zabbix-cli --file zabbix-bulk.txt
```

Auth-file:

`$HOME/.zabbix-cli_auth`

Format:

`USERNAME::PASSWORD`

Token-file:

`$HOME/.zabbix-cli_auth_token`

Format:

`USERNAME::SESSION_TOKEN`

- **OBS: `.zabbix-cli_auth` saves the password in plain text.**
- **Zabbix-cli saves the API-auth-token of a session in `$HOME/.zabbix-cli_auth_token` only if `use_auth_token_file=ON` is defined in the configuration file.**

<https://github.com/usit-gd/zabbix-cli>