CLIENT CLI POUR L'ADMINISTRATION

INTRODUCTION

With BlueMind 3.5.10 you can install a CLI (Command Line Interface) which can be used to perform BlueMind administration tasks in command line without having to create scripts.

When coupled with the bm-tick monitoring system, it can be used, among others, to manage it.

This page provides installation and use information, including practical examples. A dedicated sub-page provides more details on bm-cli command references.

INSTALLATION

> ⚠️ If you haven't updated BlueMind to the latest published version, there may be a conflict between the packages installed because bm-cli will install its latest available version.
>
> To avoid this, you can:
>
> - either update your BlueMind installation beforehand **(recommended solution)**
> - or force the version number in the subscription before installing bm-cli in the same version as your BlueMind.
>   To do this, edit the file /etc/apt/sources.list.d/bm.list and remplace "3.5" by the version number you want to use in the url:
>
> ```
> #deb https://SUBSCRIPTION_USER:PASSWORD@pkg.bluemind.net/3.5/xenial/pkgs /
> deb https://SUBSCRIPTION_USER:PASSWORD@pkg.bluemind.net/3.5.12-4/xenial/pkgs
> ```
>
> Note: we recommend that you copy the command line – as above – and comment the first version by adding # at the beginning of the line. This will make going back easier.
>
> ⚠️ when you do this, the version for your entire BlueMind installation is frozen. Once the packages are installed, remember to change the version number back to the generic number so that you can update BlueMind in due course.

The bm-cli client is installed through a dedicated package on the server – available from BlueMind 3.5.10:

```
# aptitude install bm-cli
```

> ⓘ No restart is required, the commands are effective immediately.

USING THE CLIENT

Commands

Commands are passed using a terminal straight onto the server, connected via ssh for instance.

For example, the following command can help you find out a user's address books:

```
root@mail:~# bm-cli contact list jdoe@bluemind.loc
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"book:Contacts_05E25C2C-3643-4ED2-997C-
4A4F39933D18","name":"My contacts"}
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"book:CollectedContacts_05E25C2C-3643-4ED2-997C-
4A4F39933D18","name":"Collected contacts"}
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"408C741B-3FDC-44B6-B1FD-19E79404BFCF","name":"
Perso"}
```

Getting help

⚠️

```
# bm-cli help
usage: bm-cli <command> [<args>]

The most commonly used bm-cli commands are:
    calendar      calendar task(s)
    contact       contact task(s)
    help          Display help information
    maintenance   maintenance task(s)
    tick          tick task(s)
    user          user task(s)

See 'bm-cli help <command>' for more information on a specific command.
```

This installation – version 3.5.11 – includes calendar, contacts and user commands which did not exist in earlier versions.

You can get help on a command, sub-command, how to use it and its options using "help" at any time.

E.g. "help maintenance" shows the maintenance command and the actions it can perform:

```
# bm-cli help maintenance
NAME
        bm-cli maintenance - maintenance task(s)

SYNOPSIS
        bm-cli maintenance
        bm-cli maintenance consolidateIndex [--workers <workers>]
        bm-cli maintenance list [--workers <workers>]
        bm-cli maintenance repair [--dry] [--workers <workers>]

COMMANDS
        With no arguments, List directory entries

        list
            List directory entries
...
```

For more details about a sub-command, type it to get help, e.g. about index consolidation:

```
# bm-cli help maintenance consolidateIndex
NAME
        bm-cli maintenance consolidateIndex - Consolidate a mailbox index

SYNOPSIS
        bm-cli maintenance consolidateIndex [--workers <workers>] [--] <target>

OPTIONS
        --workers <workers>
            run with X workers
...
```

Practical examples

Administration and Maintenance

Performing a domain-wide *check&repair*

The following command is used to perform a "check and repair" on all domain users using 4 threads:

```
bm-cli maintenance repair domain.net --numworkers 4
```

Changing the admin0 password

For multiple reasons – technical or practical, e.g. in case of loss -- you may need to change the admin0 user's password without logging into BlueMind.

The following command allows you to do this without knowing the old password:

```
bm-cli user update admin0@global.virt --password "NewPassword"
```

Updating Tick configuration

When the Bm-Tick monitoring tool is installed, you can use it to perform administration tasks. E.g. you can roll out the configuration on all domain servers again using the following command:

```
# bm-cli tick reconfigure
```

> ✓ `--dry` is added to test the command: the operation is merely simulated
>
> ```
> # bm-cli tick reconfigure --dry
> ```

Operations on users

Deleting archived (suspended) domain users

> ℹ **version info**
>
> The "`bm-cli user`" command will be available from BlueMind 3.5.11.

Commands can be coupled to perform several operations at once.

E.g. the command below is used to look for the email addresses of suspended users:

```
bm-cli user get domain.net --archived --display "email"
```

You can then couple this command's return with a "delete" command to remove all the users it returns:

```
bm-cli user get local.lan --display "email" | jq -r '.[].email' > /tmp/archived.txt
while read account; do bm-cli user delete --dry $account ;done < /tmp/archived.txt
```

Operations on calendars

Sharing all user calendars with one user

It may be useful for one user to have access privileges on all user calendars without being given an administrator role (e.g. a secretary might be able to view/create events for all other employees). To avoid having to go through each user's page to enable sharing, this can be done in command line.

This cannot be done with a single command, but you can create a loop which picks up all domain users and enables sharing for each of them:

```
bm-cli users get domain.net > /tmp/allUser.domain.net
while read account; do bm-cli calendar share $account « default » toto@domain.net r;done < /tmp
/allUser.domain.net
```

Operations on contacts

The procedure below can be used to clean a user's collected address book and transfer their contacts to their personal address book (and testing the import process beforehand):

```
root@mail:~# bm-cli contact list jdoe@bluemind.loc
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"book:Contacts_05E25C2C-3643-4ED2-997C-
4A4F39933D18","name":"My contacts"}
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"book:CollectedContacts_05E25C2C-3643-4ED2-997C-
4A4F39933D18","name":"Collected contacts"}
{"owner":"05E25C2C-3643-4ED2-997C-4A4F39933D18","uid":"408C741B-3FDC-44B6-B1FD-19E79404BFCF","name":"
Perso"}
root@mail:~# bm-cli contact deduplicate jdoe@bluemind.loc --addressbook-uid book:
CollectedContacts_05E25C2C-3643-4ED2-997C-4A4F39933D18
2 were removed out of 35
root@mail:~# bm-cli contact export jdoe@bluemind.loc --vcf-file-path /tmp/jdoe-collected.vcf --
addressbook-uid book:CollectedContacts_05E25C2C-3643-4ED2-997C-4A4F39933D18
addressbook book:CollectedContacts_05E25C2C-3643-4ED2-997C-4A4F39933D18 of jdoe@bluemind.loc was
exported
root@mail:~# bm-cli contact import jdoe@bluemind.loc --vcf-file-path /tmp/jdoe-collected.vcf --
addressbook-uid 408C741B-3FDC-44B6-B1FD-19E79404BFCF --dry
DRY : AddressBook 408C741B-3FDC-44B6-B1FD-19E79404BFCF of jdoe@bluemind.loc was imported
root@mail:~# bm-cli contact import jdoe@bluemind.loc --vcf-file-path /tmp/jdoe-collected.vcf --
addressbook-uid 408C741B-3FDC-44B6-B1FD-19E79404BFCF
AddressBook 408C741B-3FDC-44B6-B1FD-19E79404BFCF of jdoe@bluemind.loc was imported
root@mail:~# bm-cli contact reset jdoe@bluemind.loc --addressbook-uid book:CollectedContacts_05E25C2C-
3643-4ED2-997C-4A4F39933D18
Addressbook book:CollectedContacts_05E25C2C-3643-4ED2-997C-4A4F39933D18 of jdoe@bluemind.loc was reset
```