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# Delete Pryv.io users

## Installation and usage of the delete-user tool

### Summary

In this document, we present a tool which allows to delete Pryv.io users: **pryv-cli delete-user**.

This deletion command is meant to run on a Pryv.io 'core' machine, and has the effect of removing all user data, namely:

- MongoDB collections (accesses, events, streams, followedSlices, profile, user)
- Attachments and previews files
- InfluxDB time series (high frequency measurements)
- User entry on 'register' machine

### Core machine selection

If your Pryv.io platform contains multiple core machines. First locate the machine where the user data is stored using `dig` `$(USERNAME).$(DOMAIN)`. This should return a hostname to the machine, to which you will be able to connect via SSH.

### Setup

The easiest way to run **pryv-cli** is through a docker container. To make this easier, we suggest to define the following shell alias:

```
$ alias pryv-cli='docker run --read-only \  
-v ${PRYV_CONF_ROOT}/pryv:/app/conf/:ro \  
-v ${PRYV_CONF_ROOT}/pryv/core/data:/app/data/ \  
--network ${DOCKER_BACKEND_NETWORK} -ti \  
pryvs-a-docker-release.bintray.io/pryv/cli:${PRYVIO_CORE_VERSION}'
```

The 'core' machine should have a directory where all Pryv.io configuration files reside. The alias above assume that these files are located in the folder `PRIV_CONF_ROOT`.

Now, run this command to find the name of `$(DOCKER_BACKEND_NETWORK)` for your Pryv.io installation:

```
$ docker network ls
NETWORK ID      NAME      DRIVER      SCOPE
b31ec5197df9    bridge    bridge      local
b5f5dc7e7bec    host      host        local
8811ef2345c1    none      null        local
3367ee3c2c52    pryv_backend    bridge      local
b4d0330a724e    pryv_frontend  bridge      local
```

This will list a few networks; the network you are looking for combines the name of the `$(PRIV_CONF_ROOT)` directory with the postfix `'_backend'`. In the example above, it is `pryv_backend`. We refer to this network as `$(DOCKER_BACKEND_NETWORK)`.

Finally, make sure that the version of the `pryv/cli` docker image you are using, referred to as `$(PRIVIO_CORE_VERSION)`, matches the one of the `pryv/core` docker image currently deployed (you can check by running `docker ps`).

```
$ docker ps
...
885a22ddd46     pryvsa-docker-release.bintray.io/pryv/core:1.3.53
...
```

Here is a concrete example of a `pryv-cli` alias command for a Pryv.io platform (at the time of writing, `pryv/core` and `pryv/cli` were in version 1.3.53) :

```
$ alias pryv-cli='docker run --read-only \
-v /var/pryv/pryv:/app/conf/:ro \
-v /var/pryv/pryv/core/data:/app/data/ \
--network pryv_backend -ti \
pryvsa-docker-release.bintray.io/pryv/cli:1.3.53 $*'
```

## Usage

As soon as the alias is set up, you can invoke **pryv-cli** like so:

```
$ pryv-cli -h
```

To remove a Pryv.io user, use the following command:

```
$ pryv-cli delete-user <username>
```

The first time you run it, it will download the docker image from the distribution platform; all subsequent runs will execute immediately.

We further assume that you hold a valid Pryv.io license and that you're authorised to operate on the machine. Some operations - especially deleting users - are permanent. Please exercise proper care.