

DHIS2 academy tips

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Credentials

If you already have a DHIS2 server from earlier than 21.05.2016 these credentials will be different. Check the folder named 'OldConfig'.

- | | |
|----------------------------------|--|
| • Ubuntu server (login/ssh) | dhisadmin:dhis |
| • Postgres root user
DB root) | N/A ('sudo -u postgres psql postgres' logs you in as |
| • DHIS2 DB user:db-name | dhis:dhis |
| • DHIS2-tools instance name | dhis |
| • Moodle admin user | admin:dhis |
| • Moodle postgres user:db:pw | moodleuser:moodle:dhis |
| • Router admin-user:pw | ubnt:ubnt |
| • UniFi controller user:pw | dhis:dhis |
| • WiFi SSID:logon | dhis2:<no password> |

General information

- Server IP: 192.168.1.2.
 - Can ssh to it using 'ssh dhisadmin@192.168.1.2'.
- Domain: dhis.academy
- Can access the server through <http://192.168.1.2> or <http://www.dhis.academy>
- Router admin panel: <http://192.168.1.1>
- Web content location on server: /var/www/
- Clients (connected via WiFi or on the eth4 port on the router) will be on the 192.168.2.0/24 subnet.

Logs

- PostgreSQL: /var/log/postgresql-9.5-main.log
- DHIS2: /var/lib/dhis/<instance name>/logs/*
- Nginx: /var/log/nginx/*

You can also get the log of a DHIS2 instance by using 'dhis2-logtail <instance name>' or 'dhis2-logview <instance name>'

Server

- Shut the server down: 'sudo poweroff'
- Reboot server: 'sudo reboot'

Server not reachable

- If the server is not reachable (especially after power cut):
 1. login on the EdgeOS router admin panel (<http://192.168.1.1>) with the credentials available in "Credentials"
 2. Check the color of the port "Eth0". If it is purple, you may want to unplug the power (and the ethernet cables) and let the router "rest" a few minutes before plugging it again.

- Check that the server hasn't automatically connected to a WiFi network.

Restart programs

- Postgres: 'sudo service postgresql restart'
 - Should be used when you get a "Database connection failed"
- Nginx: 'sudo service nginx restart'
- DNS: 'sudo service bind9 restart'

DHIS2

- DHIS2 instances will automatically start when the server starts.
- You can check available man pages for the dhis2-tools by running 'apropos dhis2'

Start and stop instance

- Start an instance by typing: 'dhis2-startup <instance name>'
- Stop an instance by typing: 'dhis2-shutdown <instance name>'

Restore a database to a DHIS2 instance

It is possible to use an existing database for the DHIS2 instance. Sample databases can be found at <https://www.dhis2.org/downloads>. This must be done before deploying a WAR.

```
wget https://www.dhis2.org/download/resources/2.23/dhis2-demo.zip
unzip dhis2-demo.zip
dhis2-restoredb demo.sql
dhis2-startup dhis
```

Backup a database

To backup an instance, you must change to the instance user and run dhis2-backup. In the terminal:

```
sudo su <instance name>
dhis2-backup
exit
```

Nginx

- You can start and stop Nginx by using 'sudo service nginx {start|stop|restart}'
 - If you want to change the Nginx configuration, edit the '/etc/nginx/sites-available/academy.conf' file, then reload the settings.
 - To reload settings type 'sudo service nginx reload'.
- The Nginx splash page is located at '/var/www/index.html', this can be edited as you like.

Router

Network not accessible

If the network is not accessible (wifi access point blinking) it's probably that you have to release all the DHCP leases. To do so:

1. Login on the EdgeOS router admin panel (<http://192.168.1.1>) with the credentials available in "Credentials".
2. Access the command line terminal (CLI) at the top right hand corner. Enter the login /password (ref "Credentials") and type the following command line: run 'clear dhcp leases'.
3. The network can be restarted to be sure.

Moodle

Change user upload limit

The max upload size in Moodle is by default very low, this needs to be changed in multiple places to increase it. This guide will set the max upload size to 250MB. Edit the following files:

- /etc/php5/fpm/php.ini
 - post_max_size = 250M
 - upload_max_filesize = 250M
- /etc/nginx/sites-available/academy.conf, this is set to 250MB in the academy default file. If you want to change it remember to reload the settings using 'sudo service nginx reload'
 - Client_max_body_size 250M;

To change it in Moodle, use the site administration in the browser. Login in using the administrator credentials for Moodle.

- Go to: Site admin → Security → Site policies and change the 'maximum uploaded file size'.
- Go to: Site admin → plugins → activity modules → assignments → submission plugins → file submissions and change the max upload size here.