DHIS2 server tools manual

DHIS2 developer team

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Chapter 1. Overview

The dhis2-tools package is a collection of tools and utilities for installing and managing DHIS2 applications on an ubuntu server. The tools provide the ability to go from a "blank" server with only ssh running, to a fully functioning dhis2 installation in a matter of minutes. Used together they can also be combined into automated scripts to facilitate rapid reconstruction of a given configuration.

Chapter 2. DHIS2 tools

Name

dhis2-instance-create — Creates a new dhis2 instance

Synopsis

`/usr/bin/dhis2-instance-create` [OPTIONS] name

Description

Use this tool to create a new dhis2 instance in a tomcat container. The name that is specified will be used to create a new user and a new database with the name of that user. The user will be assigned to the **dhis2** group. The user will have a home directory created in /var/lib/dhis2/<username>. This directory acts as both the **DHIS2_HOME** directory and also the **CATALINA_BASE** directory for the tomcat servlet container.

By default the instance is allocated 2G of heap space RAM. This can be adjusted by editing the parameters in **/var/lib/dhis2/<name>/bin/setenv.sh**.

The servlet container is configured to run with an http connector pool of a maximum of 100 threads. This parameter can be adjusted by editing **/var/lib/dhis2/<name>/conf/server.conf**.

The servlet container configuration has been specially tweaked for running DHIS2. For example tomcat filters are used to ensure that all static content from the web application are cacheable by web proxy servers such as nginx or apache. The lib directory of the webapp has been explicitly placed in the application classpath so that additional jars such as java compiled apache camel routes can be made available to the DHIS2 application.

Note that a dhis2 war file is not deployed by default. See the manual page for **dhis2-deploy-war** for instructions to deploy a dhis2 war file over the internet from the latest stable global build, latest trunk build or from a user specified war file on the filesystem.

You need to be a member of the **dhis2-admin** group to use these and other tools for managing the instance. See the manual page for **dhis2-create-admin**.

OPTIONS

-p   http port

Examples

dhis2-instance-create -p 8080 hmis

Creates a new instance called hmis listening on http port 8080.

See also

dhis2-create-admin (1), dhis2-deploy-war (1), dhis2-startup (1), dhis2-shutdown (1), dhis2-deploy-war (1) and dhis2-log (1).

Name

dhis2-startup — Starts a dhis2 instance

Synopsis

`/usr/bin/dhis2-startup` [instance name]

Description

Start a dhis2 instance

Examples

dhis2-startup myInstance

Name

dhis2-shutdown — Stops a dhis2 instance

Synopsis

`/usr/bin/dhis2-shutdown` [instance name]

Description

Stop a dhis2 instance

Examples

dhis2-shutdown myInstance

Name

dhis2-deploy-war — Deploys a war file

Synopsis

`/usr/bin/dhis2-deploy-stable` [OPTIONS] instance name

OPTIONS

-t   Deploy war from latest trunk build. NOT RECOMMENDED for production systems

-l   Deploy war located at a custom url

-f   Deploy war from a file on the filesystem

Description

Deploys a dhis2 war file to the instance. The default behaviour when no options are given is to download and deploy the latest stable release from http://stable.dhis2.org.

Examples

dhis2-deploy-war myInstance deploys the latest stable release from dhis2.org into myInstance.

dhis2-deploy-war -f wars/dhis.war myInstance deploys the war file at wars/dhis.war into myInstance.

dhis2-deploy-war -t myInstance deploys the latest trunk build from the dhis2 team integration server into myInstance. Don't use this in production.

dhis2-deploy-war -l http://mywars.org/dhis.war myInstance deploys the war file from a user provided url into myInstance.

Name

dhis2-logview — Shows log file

Synopsis

`/usr/bin/dhis2-logview` [instance name]

Description

Use this tool to view log of dhis2 instance using less.

Examples

dhis2-logview myInstance

Name

dhis2-create-admin — Create a user for administering dhis2 instances

Synopsis

`/usr/bin/dhis2-create-admin` [username]

Description

Creates a new dhis2 admin user. If the specified user does not exist, she will be created on the system. Otherwise an existing user is modified. The dhis2 admin user will have postgres superuser privileges and wil be a member of the dhis2admin group.

Examples

Create it like this