

Management of D2000 Applications (Linux)



Management of D2000 applications must be performed as a `root` user.

The script `<instancedir>/bin/d2app <command> [<appname>]` is used for management of D2000 applications

`<appname>` is the name of the application, if not specified, the script will ask for the application name.

`<command>` is one of the options:

create

creates a D2000 application



The application name must be unique across the D2000 instance within the computer.

```
[root@localhost bin]# ./d2app create
Enter D2000 application name ('?' for list all): appl
Enter application description: My D2000 application
Enter application startup parameters: /Cappl
Enter D2000 server listen port: 3119
=====
Ready to create new D2000 application:
    Application name: appl
    Application description: My D2000 application
    Startup parameters: /Cappl
    TCP listen port: 3119
    psql executable: /usr/pgsql-9.6/bin/psql
    Systemd postgresql service: postgresql-9.6.service
--
    D2000 instance name: d2000
    D2000 installation dir: /opt/d2000
=====

Proceed (yY|nN)? [y]:
```

During creation, enter a description and any additional application startup parameters. If you need to run multiple applications at the same time, change the port so that each has a unique port.

After approval, the application will be created.

```
Proceed (yY|nN)? [y]: y
Creating configuration database...done
Creating logfile database...done
Application appl created.

Create archive database (yY|nN)? [y]:
```

The script will offer the creation of an archive database for the application after approval fill in the name of the archive:

```

Create archive database (yY|nN)? [y]: y
Enter D2000 archive name ('?' for list all) [self]:
=====
Ready to create D2000 archive:
    Application name: appl
    Archive name: self
    psql executable: /usr/pgsql-9.6/bin/psql
--
    D2000 instance name: d2000
    D2000 installation dir: /opt/d2000
=====

Proceed (yY|nN)? [y]: y
Creating archive database...done
Archive database self created.

```

After approval, the archive database will be created.

A systemd service with a name in the form d2000-**<appname>**.service (in this case it is d2000-appl.service.) is automatically created for the application.

The application can be started with the script ./d2app start **<appname>**, see below.

delete

deletes the entire **<appname>** application and the archives that are part of the application

```

[root@localhost bin]# ./d2app delete appl
=====
Ready to delete D2000 application:
    Application name: appl
    psql executable: /usr/pgsql-9.6/bin/psql
--
    D2000 instance name: d2000
    D2000 installation dir: /opt/d2000
=====

Proceed (yY|nN)? [n]: y
Deleting archive "self"
Application "appl" was deleted.

```

start

starts the application **<appname>**

```

[root@localhost bin]# ./d2app start <appname>
<appname> started successfully.

```

stop

stops the application **<appname>**

```

[root@localhost bin]# ./d2app stop <appname>
<appname> stopped successfully.

```

restart

restarts (stops and starts) the application **<appname>**

```
[root@localhost bin]# ./d2app restart <appname>
<appname> restarted successfully.
```

status

gives the information on whether the <appname> application is running and whether it has auto-start set

```
[root@localhost bin]# ./d2app status appl
appl is running. Autostart is enabled.
```

enable-autostart

enables autostart of the application <appname>

```
[root@localhost bin]# ./d2app enable-autostart appl
Autostart of appl has been enabled.
```

disable-autostart

disables autostart of the application <appname>

```
[root@localhost bin]# ./d2app disable-autostart appl
Autostart of appl has been disabled.
```

export-syscfg

exports configuration database to a file

```
[root@localhost bin]# ./d2app export-syscfg appl
Enter dump file name [appl.syscfg_dmp]:
Enter password for postgresql user dba:
Export to appl.syscfg_dmp finished.
```

export-logfile

exports log database to a file

```
[root@localhost bin]# ./d2app export-logfile appl
Enter dump file name [appl.logfile_dmp]:
Enter password for postgresql user dba:
Export to appl.logfile_dmp finished.
```

import-syscfg

imports configuration database from a file

```
[root@localhost bin]# ./d2app import-syscfg appl appl.syscfg_dmp
Enter password for postgresql user dba:
Import from appl.syscfg_dmp finished.
```

import-logfile

imports monitoring database from a file

```
[root@localhost bin]# ./d2app import-logfile appl appl.logfile_dmp
Enter password for postgresql user dba:
Import from appl.logfile_dmp finished.
```