

ircDDB Install instructions

This document describes the installation of ircDDB on Icom-Hard- and Software based D-Star-Gateways.

If you already have a former ircDDB-version installed on your gateway which did not use Yum-packages please check appendix 2 before you start the installation!

Overview of the Installation process:

- The script will first add the ircDDB repository to the YUM-repository list.
- Next it will install and configure the ircDDB-mheard software.
Settings will be copied from existing configuration files as far as possible.
- After successful installation the script will ask you to start it again with the password provided by the ircDDB admin team during the registration process as a parameter.

ircDDB requires registration of gateways, without a login password it won't work!

Please join the ircDDB Yahoo-Group < <http://groups.yahoo.com/group/ircddb> > and check for more information and support.

Detailed description of the Installation:

Step 1:

Add the ircDDB repository to your YUM settings:

This command will do that for you:

```
curl http://group1-update.ircddb.net/ircDDB/centos55/ircddb.repo -o /etc/yum.repos.d/ircddb.repo
```

This only works on YUM-based systems.

Please check our download server for other packages if needed.

Step 2:

Install the configuration script:

```
yum clean expire-cache  
yum -y install ircddbconfig
```

Step 3:

Run the configuration script:

```
/usr/sbin/ircddbconfig
```

The script will pick settings from existing configuration files.

Please check the output on the screen to see if any additional actions are required.

Step 4:

On request run the configuration script again with the required password for network access.

```
/usr/sbin/ircddbconfig ircddbpassword
```

The password is provided by the ircDDB admin team during the gateway registration process.

Please use this website for registration: <http://regsrv.ircddb.net/index.htm>

Step 5:

Finally have a look at the ircDDB gateway status < <http://status.ircddb.net/cgi-bin/ircddb-gwst> >, your gateway should be shown with a green "LED".

Press the PTT and check "ircDDB-live" < <http://ircddb.net/live.htm> > and the ircDDB-LastHeard table < <http://status.ircddb.net/> >, it should show your routing information.

Welcome at the ircDDB network!



Appendix 1:

Location of the ircDDB files

YUM ircDDB repository:

/etc/yum.repos.d/ircddb.repo

Binaries:

The daemons `ircddb` and `ircddbcmd` are located at `/usr/sbin/`

The Java-apps - as variable part of the installation - are now located at `/var/cache/ircddb/`

The apps are updated automatically on a restart of `ircddb`.

It can also be updated from remote through the ircDDB network.

Start/Stop-Scripts:

The daemons are started by 2 separate scripts

```
/etc/init.d/ircddb  
/etc/init.d/ircddbcmd
```

Start the 2 components:

```
service ircddb start  
service ircddbcmd start
```

Stop the 2 components:

```
service ircddb stop  
service ircddbcmd stop
```

Check the status of the 2 components:

```
service ircddb status  
service ircddbcmd status
```

Logfiles:

The log files are located at `/var/log/ircddb`

All components of the package can be found here: <http://github.com/dl1bff>



Appendix 2:

Updating from older ircDDB versions

Major Changes:

With this software version we will have some major changes:

- ircDDB no longer uses DSM.
Instead we have created an own software "ircDDB-mheard".
This software provides a lot more information that we want to share on the ircDDB network.
Note: DSM will still be needed for reporting to dstarusers.org and for DPRS/APRS.
ircDDB-mheard is no replacement for DSM!
ircDDB-mheard makes the ircDDB system independent from DSM and more flexible.
ircDDB-mheard improves the communication to the ircDDB-network.
- The install mechanism of the ircDDB software changed.
Most of the lcom gateways run CentOS5.
On this systems we will use standard YUM packages provided from an own repository.
This will make installation and update easier than before.
- We now use a new directory structure for the ircDDB software which is FHS compatible
< <http://www.pathname.com/fhs/pub/fhs-2.3.html> >.

Before installation of the new ircDDB version:

The last DSM update 2.7b01 already cleaned up ircDDB specific changes to the DSM properties and startup files.

Make sure that you installed this update before you start to install the new ircDDB software!

(Please check Brian Roode's information in Yahoo-Group "DStarAdmin" / Message 620 from dec 27th 2010 for more details)

After installation of the new ircDDB version:

Clean up old home directory of user ircddb:

With the new installation packages we moved the home directory of user "ircddb" to /home/ircddb.
SELinux complained about the former home directory which was the install/working directory.

If you are running SELinux you need to perform the following commands:

Delete the content of folder /opt/ircDDB/

```
rm -Rf /opt/ircDDB/*
```

Move the user's home directory from /opt/ircDDB to /home/ircddb

```
/usr/sbin/usermod -d /home/ircddb -m ircddb
```

If you already tested ircDDB-mheard before you may also remove /usr/local/sbin/ircDDB-mheard

These components are no longer needed.

