

# How to build a helix-dbus-server

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There is a helix D-Bus server project in the helix community. It works for the banshee project and supports audio service only. You can build it by following these steps:

## 1 Connect to helix cvs to get the latest source code:

- a) For setup environment information for connecting to helix cvs, refer to:  
[https://helixcommunity.org/developers/get\\_connected\\_to\\_cvs/quickstart.html](https://helixcommunity.org/developers/get_connected_to_cvs/quickstart.html)
  - i) If you need a proxy to connect to helix cvs, corkscrew may help you:  
<http://www.agroman.net/corkscrew/>
  - ii) Be sure that the access right of your private key is set to "600".
  - iii) On the Linux platform, try the following configuration for the first target:  
Build System Menu  
Ribosome v2.4.5  
-> Current Directory: /home/username/helix\_cvs/helix  
[0] Set BIF branch (hxclient\_1\_5\_0\_cayenne)  
[1] Set Target(s) (splay)  
[2] Set Profile (helix-client-all-defines)  
[3] run: build
  - iv) atlas is the latest branch of helix cvs, after setup build environments, you'd better change to atlas branch.
- b) Build the helix-dbus-server from helix cvs and install it Refer to:  
<https://helix-banshee.helixcommunity.org/>
  - i) Your buildrc file may be similar to this:  
AddMultiCVS("helix",":ext:username@cvs.helixcommunity.org:/cvsroot/")  
AddBIFPath("common", "[helix]/common/build/BIF")  
AddBIFPath("client", "[helix]/client/build/BIF")  
AddBIFPath("helix-banshee", "[helix]/helix-banshee/build/BIF")  
AddBIFPath("helix-banshee-client", "[helix]/helix-banshee-client/build/BIF")
  - ii) Your build configuration may be similar to this:  
Build System Menu  
Ribosome v2.4.5  
-> Current Directory: /home/username/helix\_cvs/helix  
[0] Set BIF branch (helix\_banshee\_current)  
[1] Set Target(s) (helix\_dbus\_server)  
[2] Set Profile (helix-client-all-defines)  
[3] run: build
  - iii) Install helix-dbus-server  
\$ cd player/helix-dbus-server  
\$ ./dist --prefix=/usr prepare  
\$ sudo ./dist install  
\$ helix-dbus-server

## 2. Video playback support for helix-dbus-server:

Based on the helix-dbus-server above, we added video support for it and we are trying to provide the patch to the helix community. You may get the helix-dbus-server with video support from helix cvs in the future.

## 3. Test helix-dbus-server with mobile-player:

There is a D-Bus-based mobile-player on moblin:

[http://moblin.org/projects\\_media.html](http://moblin.org/projects_media.html)

The player can work on either the Helix D-Bus media service or the GStreamer D-Bus media service. To use mobile-player from Moblin with the Helix Media Service, you need to:

- a) Add Moblin to your Ubuntu platform's repository list.  
Create a moblin.list file at /etc/apt/sources.list.d/ with following contents:  
deb <http://moblin.org/apt> gaston main  
deb-src <http://moblin.org/apt> gaston main
- b) Install the mobile-player by type "sudo aptget install mobile"  
Since there is helix.conf for mobile-player already, it can play back media streams by helix media service automatically.
- c) When you launch the player by type "mobile-player", it will automatically launch helix D-Bus service, if the service hasn't been launched yet.

There is also a reference implementation of D-Bus media service based on GStreamer.