Extensibility – Remote Access

• Remote access via Dbus
  - Playback control (play, next)
  - Player engine info (position, volume)
  - Playing Track Metadata (uri, rating)
  - Full source/library access
  - Query subsystem access

• See `banshee-1 --help` for more, or explore using D-Feet or dbus-explorer
Extensibility – Extensions

- Powered by Mono.Addins
- Banshee core is relatively small
- Most functionality written in extensions
- Extensions can extend other extensions
- Better than GModule/dlopen
  - API is automatically exposed: anything that is reachable in memory and is public can be used by an extension
  - Gmodule/dlopen: not so much
Extensibility – Pretty Diagram

- Lyrics
- Artist Bio
- MOTD

- Nereid (client)
- Now Playing
- Podcasting

- Banshee.Services
- Banshee.ThickClient

- Hyena
- Migo
- Last.FM
Extensibility – Scripting

• Currently with Boo (python-like, interpreted)
• Soon with others (IronPython, IronRuby) via the DLR
• Scripting service provided by another extension
• Scripts similarly have full API access

```python
import Banshee.MediaProfiles
import Banshee.ServiceStack

profile_manager = ServiceManager.Get[of MediaProfileManager]()
vorbis_profile = profile_manager.GetProfileForMimeType("audio/vorbis")
vorbis_profile.OutputFileExtension = "oga"
```
Roadmap – 1.2

• Banshee 1.2 coming very soon
  - Internet Radio
  - Equalizer
  - Multi-artist album support
  - DAAP
  - Recommendations
  - Library directory watching/scanning
Roadmap – 1.4

- Banshee 1.4 in September
  - MonoTorrent integration
  - Podcast directory (Miro Guide)
  - Playbin2 (gapless playback)
  - UPnP
  - Device playlist support
  - Gnome Do support
  - Better Last.fm community integration (new API)
  - 3rd party extension browser
Roadmap – Future

• WebKit (Amazon, Rhapsody, Last.fm)
• Banshee for Windows and OS X
• Share files with telepathy/tubes
• Better developer tools
  – API documentation
  – MonoDevelop and VisualStudio extension templates
Demo
More Info

• Beautiful new website with 1.0
• Helpful, friendly mailing list and IRC channel
• #banshee on irc.gnome.org

banshee-project.org
Thank you!