Then, Now, Soon

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- **Banshee:**
  A supernatural being supposed to warn a family of the approaching death of one of its members, by wailing or singing in a mournful voice, as under the windows of the house. *Webster 1913*.

What are we used to?

- Many applications for related tasks...
  - GNOME CD Player, Totem, SJ, Goobox for Playing
  - Sound Juicer, Goobox for Ripping
  - Coaster, Gnome Baker, X-CD-Roast (still?), etc, etc.
  - Totem, Rhythmbox for playback/management

What is it?

- An A-Z to solution for audio and music management and playback

- ...Using Helix or GStreamer

- ...Using entagged-sharp for fully-managed audio metadata support

Where is it currently?

- Audio/music importing and playback

- SQLite database backend

- Fully integrated audio CD support: Playing, Ripping, Burning… CDDB Slave 2 (ugh)

- Comprehensive iPod support: play directly from iPod, sync to iPod

- Versatile, pluggable, cute playback engines: Helix, Gstreamer, VLC engines

Where is it currently?

- Multi-track metadata editor… fairly simple right now, and only saves to database

- Basic playlist support, fairly extensive DnD control

- Search-as-you-type for the Library

Where is it going?

- Refactoring Source/View model to make external sources insanely simple to implement

- DAAP Source

- iRadio/last.fm Source

- Podcasting Support

- More hardware support (generic USB file system players, Dell DJ/Creative Nomad/Zen players, iRiver players)

Where is it going?

- Smart playlists (editor and database support implemented, needs UI support)

- Genre/Artist/Album browser

- Cover Art (Amazon, Google?)

- Replace CDDB with Musicbrainz (almost complete)

- Full plugin API that exposes transcoding, the library database, etc.

How do we benefit?

- As users we have a very comprehensive, friendly application to handle all of our musical needs on the GNOME Desktop

- As developers we now have access to various media components now exposed under Mono.

Developer Benefits

- Banshee implements bindings for *specialized* components that will be exposed for...
  - Audio Playback (Gstreamer, Helix/hxclientkit, VLC bindings)
  - CD Ripping (Gstreamer)
  - Transcoding (Gstreamer)
  - Musicbrainz
  - GNOME CDDB Slave 2 Client Bindings... yes, that's Bonobo/CORBA/IDL/C interacting with C#... crazy, eh? We'll be moving to Musicbrainz shortly ;)

Developer Benefits

- Other reusable Mono components in Banshee:
  - CD Burning (libnautilus-burn-sharp)
  - File metadata (entagged-sharp, Beagle already using this). Support AAC, MP3, OGG, FLAC, WMA/ASF, MPC, APE, Tracker)
  - iPod (ipod-sharp, libipoddevice)... make your app support the iPod without having to deal *with* the iPod.

What else?

- Banshee is designed to be extensible... it's possible to implement new sources in about 50 lines of C#

  ... so what do you want in *your* music experience?

banshee

music management and
playback for gnome

Banshee

Dave Matthews Band
♪ Tripping Billies

1:51 of 5:00

Library	(3892)	Aaron's Photo iPod				Search:	d	

Aaron's Photo iPod (1101)

	Track	Artist	Title	Album	Time	Rating	Plays	Last Played
	9	Dave Matthews Band	Lie in Our Graves	Crash	5:42			
	10	Dave Matthews Band	Cry Freedom	Crash	5:53			
▶	**11**	**Dave Matthews Band**	**Tripping Billies**	**Crash**	**5:00**		**1**	
	12	Dave Matthews Band	Proudest Monkey	Crash	9:10		1	
	1	Dave Matthews Band	I Did It	Everyday	3:36			
	2	Dave Matthews Band	When The World Ends	Everyday	3:32			
	3	Dave Matthews Band	The Space Between	Everyday	4:03			
	4	Dave Matthews Band	Dreams of our Fathers	Everyday	4:41			
	5	Dave Matthews Band	So Right	Everyday	4:41			
	6	Dave Matthews Band	If I Had It All	Everyday	4:03			
	7	Dave Matthews Band	What You Are	Everyday	4:33		1	
	8	Dave Matthews Band	Angel	Everyday	3:56			
	9	Dave Matthews Band	Fool To Think	Everyday	4:14			
	10	Dave Matthews Band	Sleep To Dream Her	Everyday	4:25		1	
	11	Dave Matthews Band	Mother Father	Everyday	4:24		1	
	12	Dave Matthews Band	Everyday	Everyday	4:43			
	1	Dave Matthews Band	Dreamgirl	Stand Up	3:59	★★★★	12	8/25/2005 12:59:1
	2	Dave Matthews Band	Old Dirt Hill (Bring That Beat	Stand Up	4:58	★★★★	10	8/25/2005 1:04:16
	3	Dave Matthews Band	Stand Up (For It)	Stand Up	4:12	★★★★★	10	8/25/2005 1:08:29
	4	Dave Matthews Band	American Baby (Intro)	Stand Up	2:03	★★★★★	11	8/25/2005 1:10:33
	5	Dave Matthews Band	American Baby	Stand Up	4:35	★★★★★	11	8/25/2005 1:15:08
	6	Dave Matthews Band	Smooth Rider	Stand Up	2:17	★★★★	11	8/25/2005 1:17:26
	7	Dave Matthews Band	Everybody Wake Up (Our F	Stand Up	4:17	★★★★	10	8/25/2005 1:21:44
	8	Dave Matthews Band	Out of My Hands	Stand Up	3:40	★★★★	10	8/25/2005 1:25:25
	9	Dave Matthews Band	Hello Again	Stand Up	3:56	★★★★	10	8/25/2005 1:29:21

Sidebar:

- Library (3892)
- Aaron's Photo iPod (1101)
- Aaron's iPod (3892)
- Aaron's Shuffle (27)
- Before These Crowded Stre... (11)
- Within A Mile Of Home (15)
- Adam Sandler - They're All... (42)
- Armor For Sleep - Dream t... (22)
- Led Zeppelin - Led Zeppe... (118)
- Primus (13)
- SNMNMNM - Power Pack Ho... (11)
- Sarah McLachlan - NoTitle (32)
- System Of A Down - Toxicity (30)
- Taking Back Sunday - Wher... (11)
- The Used - The Used (12)
- Thursday - Full Collapse (23)
- Yo-Yo Ma - NoTitle (16)

5 GB of 27 GB

914 Items, 10 days7:31:00 Total Play Time