World 2011

Podcast Producer Plus:
Taking Podcast Producer to the Next Level

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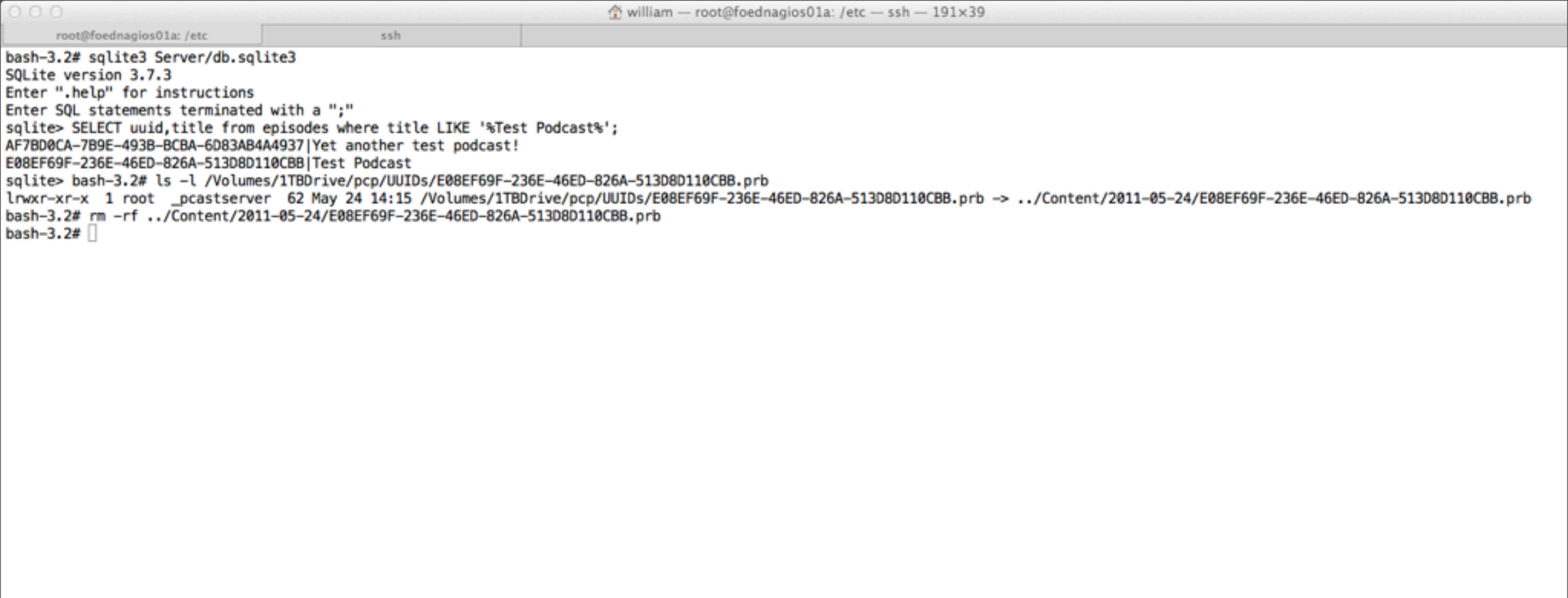
University of Auckland


william — root@foednagios01a: /etc — ssh — 191×39
root@foednagios01a: /etc
ssh
bash-3.2# sqlite3 Server/db.sqlite3
SQLite version 3.7.3
Enter ".help" for instructions
Enter SQL statements terminated with a ";"
sqlite> SELECT uuid,title from episodes where title LIKE '%Test Podcast%';
AF7BD0CA-7B9E-493B-BCBA-6D83AB4A4937|Yet another test podcast!
E08EF69F-236E-46ED-826A-513D8D110CBB|Test Podcast
sqlite> bash-3.2# ls -l /Volumes/1TBDrive/pcp/UUIDs/E08EF69F-236E-46ED-826A-513D8D110CBB.prb
lrwxr-xr-x 1 root _pcastserver 62 May 24 14:15 /Volumes/1TBDrive/pcp/UUIDs/E08EF69F-236E-46ED-826A-513D8D110CBB.prb -> ../Content/2011-05-24/E08EF69F-236E-46ED-826A-513D8D110CBB.prb
bash-3.2# rm -rf ../Content/2011-05-24/E08EF69F-236E-46ED-826A-513D8D110CBB.prb
bash-3.2#

A Growing Problem

william — root@foednagios01a: /etc — ssh — 158×40

root@foednagios01a: /etc | bash

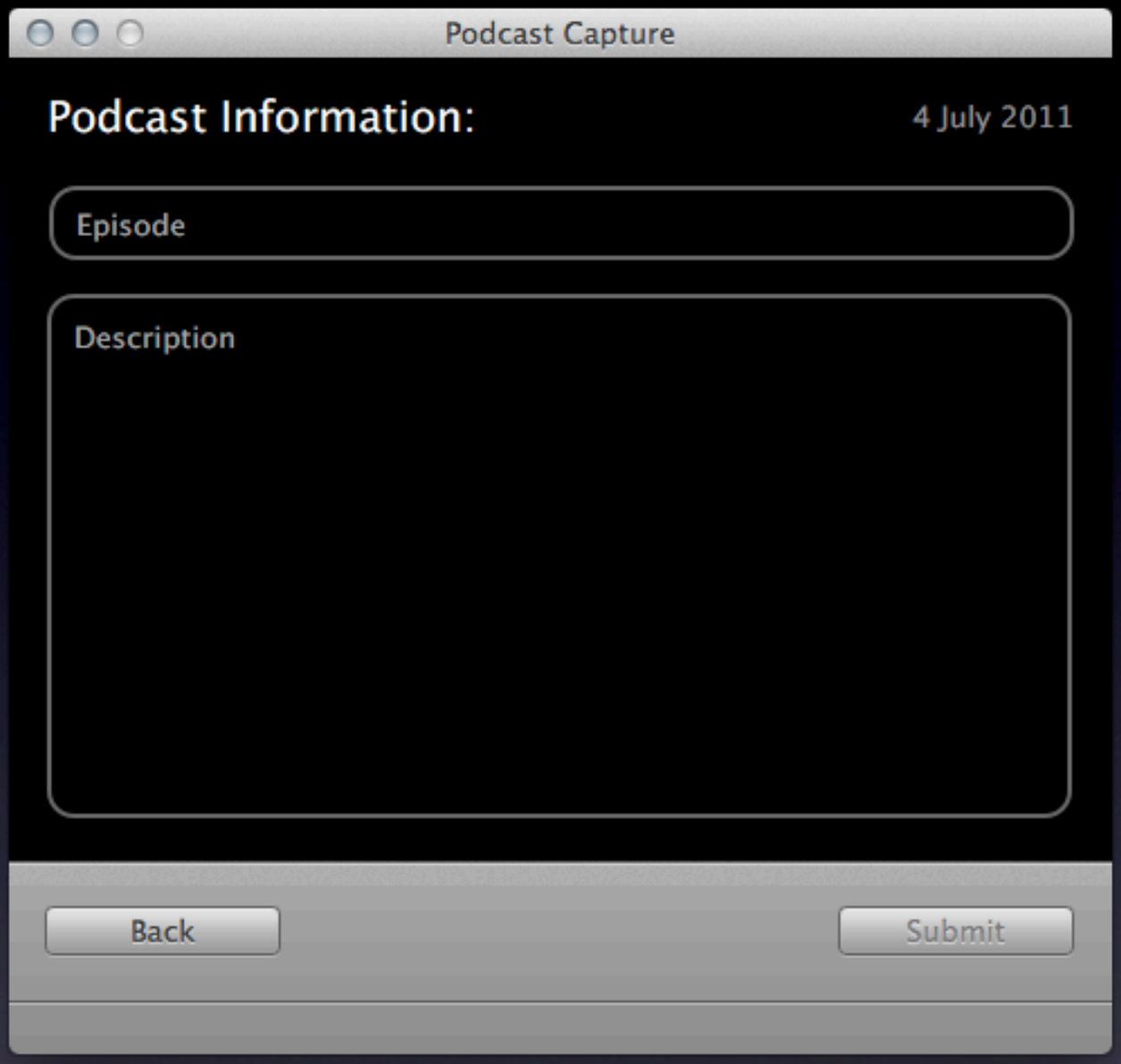
```
foedpcp01n:~ ladmin$ sudo pcastconfig --sync_library
Synchronizing content found in '/Network/Podcasts/Content'...
Synchronization of '496C4164-C72A-485C-A76B-5ED39D35FF71/10C297B7-B46D-41D2-8300-1983B9B5DDF2' succeeded.
Synchronization of '496C4164-C72A-485C-A76B-5ED39D35FF71/1BE7C560-777C-4F9F-BBF5-DED21206AAF6' succeeded.
Synchronization of '496C4164-C72A-485C-A76B-5ED39D35FF71/27977611-6513-46D0-9C17-CDC851C9363F' succeeded.
Synchronization of '496C4164-C72A-485C-A76B-5ED39D35FF71/66E26B0F-1ED0-4D6A-9FC5-93DB676663A5' succeeded.
Synchronization of '496C4164-C72A-485C-A76B-5ED39D35FF71/FC2F6D3D-7A7E-475B-8666-FD6078D451C9' succeeded.
Synchronization of 'B14B59AC-C279-4FC2-8514-63EDDF61B6CF/131D370F-E4FA-4672-89E6-711DACC13ABB' succeeded.
Synchronization of 'B14B59AC-C279-4FC2-8514-63EDDF61B6CF/AB145546-B6B4-493E-825E-577E1A2E5FEF' succeeded.
Synchronization of 'B14B59AC-C279-4FC2-8514-63EDDF61B6CF/DA54C655-9288-4956-8C17-FFD829C62FE3' succeeded.
Synchronization of 'B14B59AC-C279-4FC2-8514-63EDDF61B6CF/DC4AA634-1D39-4BA4-A708-7424E45F0409' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/14DEFF72-C912-48B5-9F8A-BA5535D4D898' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/2D46017B-CFAB-4AC6-A373-AF6BC0B30E6E' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/30EAF56A-4F8E-4A93-A4AB-9A730976A97F' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/3D0B0C37-D71B-4775-B970-A9BCC5470A75' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/5637CBDA-3B55-4FD4-96FE-C10A83008B30' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/93A261E2-66EE-4210-9D07-9D993D426ABF' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/BB02BD91-3D9E-4754-8716-FFEE5579A998' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/BDF2AB4B-2086-452F-8C94-79698977A6E7' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/C7FE5850-3546-4810-AC0C-C48F605BC6EE' succeeded.
Synchronization of '17CDA642-2653-4D0B-AF1F-719E48A1DC3E/E6BC5B54-49A4-4B3F-8E3B-2EC9024E54B6' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/5CC4BD99-1875-4406-9CA9-EFB2D3EEDE85' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/6E3BAE5C-B1D6-425A-A8B0-E37A077B6C22' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/83478A55-B2F5-491F-B8F8-DFB2103B3C66' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/C2048C46-8EA4-4319-99A3-179B776DDAC3' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/DCFCC18B-3248-4AFA-861F-8B1AF9039F5E' succeeded.
Synchronization of '162DECBC-02D5-4F13-89A6-08D7B1861F53/F79C6954-6C70-4171-99D1-FE2945B08CAE' succeeded.
Synchronization of '3CD08733-F363-44A1-86AA-5856EE0D86DD/35EF491A-D7D0-41C1-A615-8C077523D8DC' succeeded.
Synchronization of '3CD08733-F363-44A1-86AA-5856EE0D86DD/5F94B15A-B5EF-4303-BEA9-0D1A3F636D99' succeeded.
Synchronization of '3CD08733-F363-44A1-86AA-5856EE0D86DD/9CFF0F38-7731-4C73-9A30-B73CDB781FBA' succeeded.
Synchronization of '3CD08733-F363-44A1-86AA-5856EE0D86DD/9DE59473-7EF6-48F8-87F6-EE8E0976FFD3' succeeded.
Synchronization of '3CD08733-F363-44A1-86AA-5856EE0D86DD/F1CDD781-0C7F-4EA4-8252-6D04C23A130C' succeeded.
Synchronization of '54D71A66-6AFE-4ED8-AC8C-31CD50348C2A/325E8407-6D58-4974-81FB-D35E0A3112D2' succeeded.
Synchronization of '54D71A66-6AFE-4ED8-AC8C-31CD50348C2A/33186BE0-D311-45E9-B59C-1EB1F01DB3CB' succeeded.
Synchronization of '54D71A66-6AFE-4ED8-AC8C-31CD50348C2A/34A5CA8D-0FEA-4DC3-9835-CD857E86447C' succeeded.
Synchronization of '54D71A66-6AFE-4ED8-AC8C-31CD50348C2A/639A9D07-BCB9-4CD7-ADF6-82415586892E' succeeded.
Synchronization of '54D71A66-6AFE-4ED8-AC8C-31CD50348C2A/B1201226-BA3E-46CF-9419-5E641CFE446E' succeeded.
Synchronization of '7C28F7F0-2311-4A53-BEBD-B98A422816F6/31346C95-B4E0-40ED-9A43-12776B9A6AB4' succeeded.
Synchronization of '7C28F7F0-2311-4A53-BEBD-B98A422816F6/7EDD762A-54C4-4B58-9D57-A45615A55B0D' succeeded.
Synchronization of '7C28F7F0-2311-4A53-BEBD-B98A422816F6/B180DD28-9A0F-4F69-B25B-E5D41F7E98A5' succeeded.
```

Podcast Producer is...

- ... awesome as a catalogue of podcasts
- ... fantastic at distributed processing of podcasts

Podcast Producer is...

- ... awesome as a catalogue of podcasts
- ... fantastic at distributed processing of podcasts
- ... difficult to administer
- ... has limited user friendliness
- Two fields to customise a podcast? Surely not...


Podcast Capture
Podcast Information:
4 July 2011
Episode
Description
Back
Submit

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Podcast Information:
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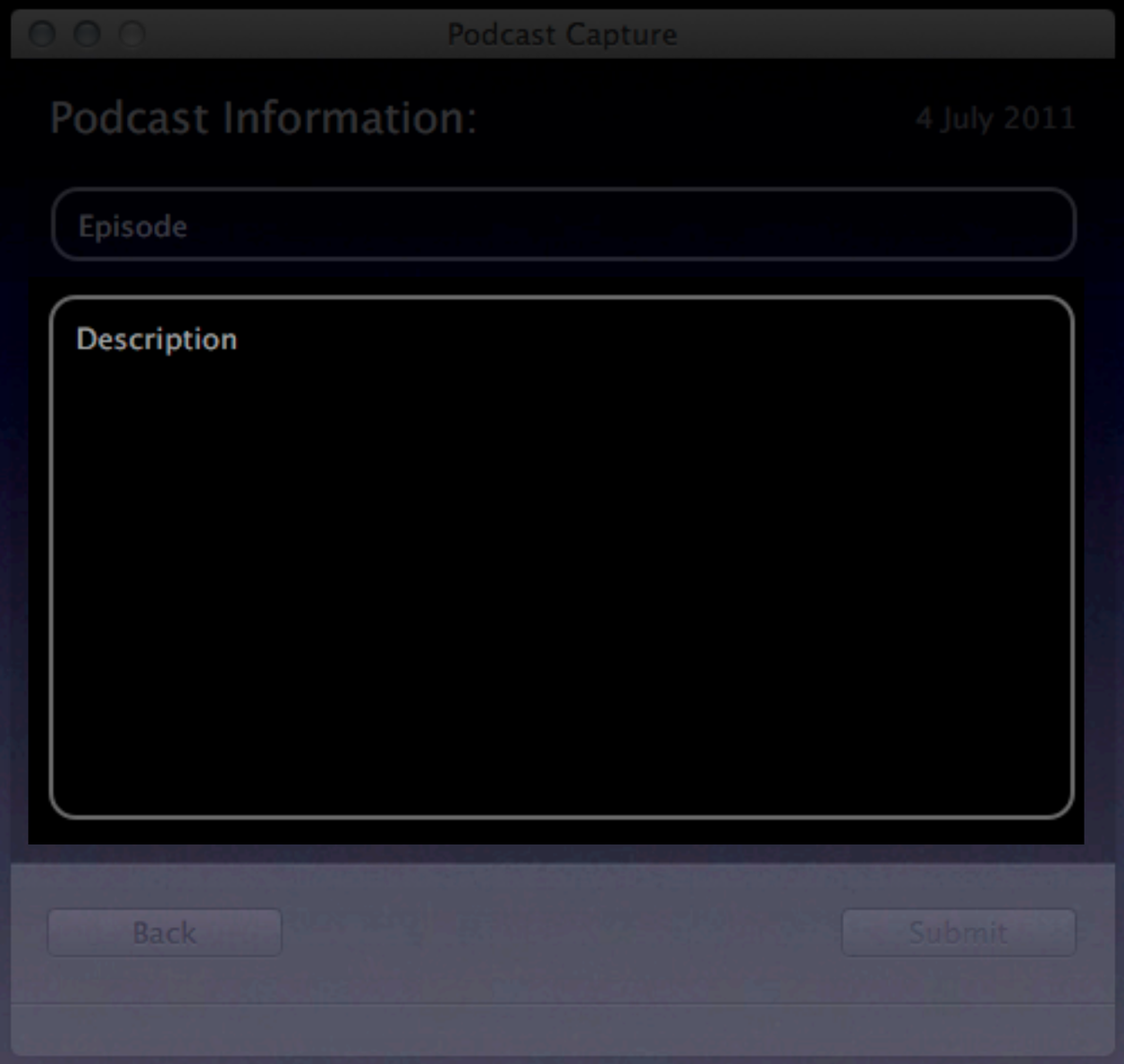
Podcast Capture
Podcast Information:
4 July 2011
Episode
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Back
Submit

A growing solution

- PHP web application
- Does not operate on the PCP sqlite database
- “First do no harm” - read only
- Remove a podcast in one click...

Demo

An epiphany!

- Data is now coherent
- We can “visualise” the library
- We can build on the data, without touching Podcast Producer
  - Keywords
  - Visibility (is the podcast public?)

New Additions

- Extended, yet simpler iTunes feed management
- Channels/Categories
- Live editing of metadata, keywords
- Web Uploader

Podcast Curation

- Allows administrators/video staff to apply ‘quality control’ parameters to uploaded material
- Compliance checking for copyright/ethics

Demo

3G
9:41 AM
Messages
Calendar
Monday
7
Photos
Camera
YouTube
Stocks
Maps
280
Weather
73°
Notes
Utilities
iTunes
App Store
Settings
Phone
Mail
Safari
iPod

The next logical step

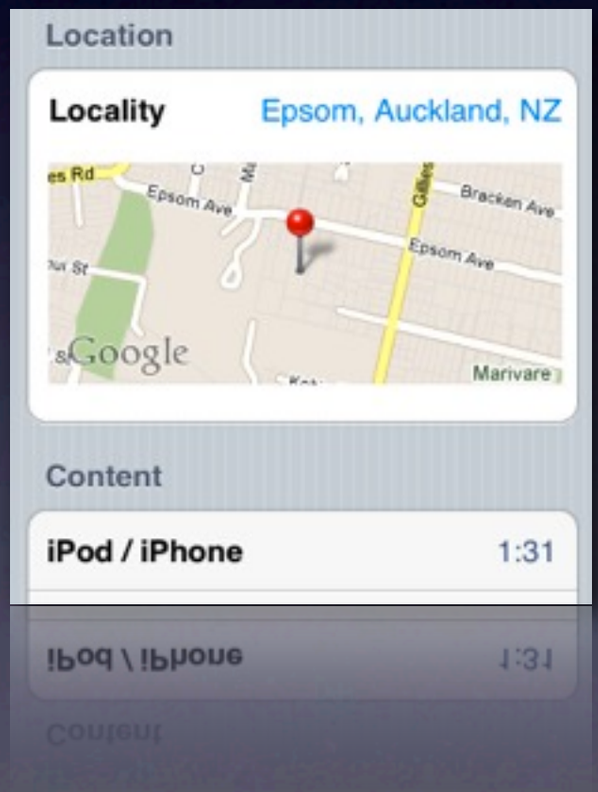
- The data is now on the web
- It's in a property list format (NSDictionary!)
- Mobile Devices == Mobile Podcasting!

PPP for iPhone

- Allows browsing of the public library from anywhere
- Allows caching of podcasts for future offline viewing
- Marking podcasts as “favourites” for later viewing
- Leverages the power of the iPhone UI

But wait...

- Users can record directly to Podcast Producer Plus from iPhone/iPod
- Users can ‘geo-tag’ their podcast
- Geotagged podcasts appear mapped in the app

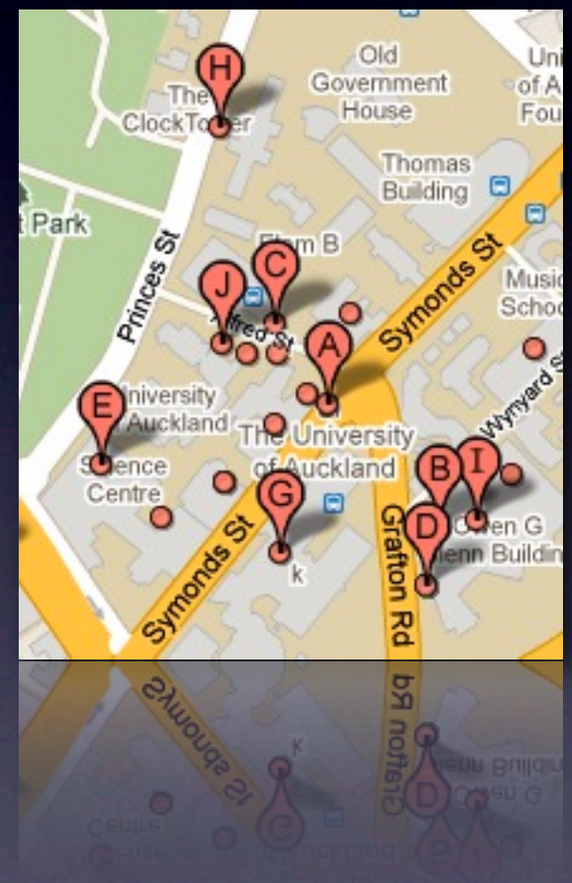


Plans for the future

- “Podcasts near Me”
- Viewing Statistics for Administration
- Podcast Expiration
- Backup/Restore
- iPad version - Podcast Producer Plus HD

Podcasts Near Me

- Uses geolocation to track other podcasts
- Great potential for “orientation” podcasts
- “Geopodcasting”



Viewing Stats

- Gather information on views per video
- Views per platform (iOS, web, iTunes)
- “Favourites” management

Podcast Expiration

- Podcasts can often be time-sensitive
- Podcasts can lose relevance over time
- Podcasts can be automatically rendered ‘inactive’ - not live
- Podcasts can be automatically removed

Backup/Restore

- Will allow admins to take one off or automated backups of podcast bundles
- Preserves information to migrate to another system
- Preserves permissions, etc for ingest into backup solution

Podcast Producer Plus HD

- Takes advantage of the iPad's larger display
- "Visual" approach to viewing podcast library
- Same great features included with the iPhone App

Availability?

- Subject to further testing
- More details will follow on website:

  http://nutsaboutcocoa.wordpress.com

Contact

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Question Time

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