Joomla!

...because open source matters

Joopal and Drumla

Mashups with a difference

WWW.JOOMLA.ORG

Sam Moffatt

OSDC 2009

- **Sam Moffatt**
  [pasamio]
  Development Co-ordinator, Joomla!

  Toowoomba, Queensland, Australia
  Studying Masters of Computing at USQ
  Currently employed at USQ as a Systems Co-ordinator

I have a dream, that one day two great CMS' would join as one.

- So maybe not Martin Luther King, but why?
  - Cross pollination of applications
  - Applications on Drupal gain the ability to run under Joomla! which benefits Joomal!
  - Applications on Joomla! Gain the ability to run under Drupal which benefits Drupal

- Joomla! has installable code items called "extensions" which come in three varieties:
  - Component
  - Module
  - Plugin
- Components are the work horse of the system and do the heavy lifting.

- Drupal has installable code items called "modules" which can optionally expose "blocks".

- Drupal is extensively driven by a "hook" system that provides the ability for modules to access events that occur.

Joomla!	Drupal
Component	Module
Module	Block
Plugin	Hook

- Working install of Joomla!
- Working install of Drupal

- Joopal Attempt 1
  - Copy Drupal into a new Joomla! Component directory
  - Point this instance at the existing Drupal database
  - Rewrite each path in the Drupal to point to the right location prefixed with the path to the component

  - It didn't work well with pathing the main failure and the inability to load support files

- Drumla Attempt 1
  - Copy Joomla! into a new Drupal block location
  - Point Joomla! at the existing Joomla! Install
  - Write a small wrapper to load Joomla!
  - Minor change to Drupal and Joomla! session handling and Joomla! session cleaning

  - Currently working fine except that logins to either applications are presently broken as sessions are broken.

- Joopal Attempt 2
  - Rewrite of Drupal to behave in an object orientated manner
  - To not rely on relative pathing
  - To remove global objects
  - Play better with Joomla!

  - Currently a work in progress

- Integrating applications could be easier if the following were true:
  - Customisable and configurable pathing
  - Customisable sessions
  - Ability to disable session protections

Questions and Answers