Overview

• Overview of PaperCut NG
• Why we offer a Mac Version
• The story of our Mac “adventures”

About Me:

• Main Mac Developer
• I’m based in Melbourne, Australia
  (yes – it’s early in the morning!)
PaperCut NG

• What is PaperCut NG?
  – A multi-platform print control solution
  – Supports Mac, Windows, Linux and Unix
  – First version released in 1998 with a cross-platform rewrite in 2005
  – A complete modern solution supporting networks of all sizes
  – In use in thousands of education based organizations across 60 countries
Apple Mac Support

• Mac support at all application levels

• Mac version has all the same features as the Windows and Linux versions

• All platforms are equal – the Mac version is not a 2nd class citizen 12-months behind!

• Integrates with CUPS on the server level

• A Universal Application

• Open Directory and Local NetInfo integration
Key Features

- Advanced cost models
- Browser based admin
- Optional client software
- Shared accounts
- Release station
- Pre-Paid Voucher system
- Web Services and API (external systems, credit card payment gateways, integration with 3rd party systems, etc.)
Key Features Cont.

• For networks of all sizes
  – supports clustering
  – external databases (e.g. Postgresql)

• Source Code Access
  – Customer have access to core source code
  – Source code already used to submit Mac client improvements.
Our Mac Adventures

- Not a “port” but a true cross platform project
- 95% source code is shared between all platforms

Tools: GCC, Java, Eclipse, Perl, Shell Script
Positive Experiences

• Fantastic community support during the testing phase

• Realistic changes proposed by most testers

• UNIX underpinning provides the “power” complex server-side applications require
Negative Experiences

- An installer bug accidentally deleted one tester’s entire /Applications directory! Oops!
- Understanding culture – is the command-line “acceptable”?
- GUI administration limits CUPS configuration
- Lack of authentication in print queues
- Hard to access some Mac API’s from Java
- More developer documentation needed!
Future Development

- Simple installer for Mac Laptops
- Desktop Widget
- Authentication via login hook
- Client messages via Growl
- Option to prevent client from being accidentally quit
- Testing on Leopard
• Website:  http://www.papercut.biz/
• Developer Blog: http://www.papercut.biz/blog