

PIMA COUNTY
CONSOLIDATED JUSTICE
COURT – IT STABILIZATION
PROJECT

Presentation to the Commission on Technology
June 2009

Project Information

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- ❑ Start Date: June 25, 2007
- ❑ Scheduled End Date: December 31, 2008
- ❑ Actual End Date: **January 16, 2009**
- ❑ Original Budgeted Local JCEF Funds: \$249,637
- ❑ Modified Budgeted Local JCEF Funds: \$249,646
 - ❑ Transferred some funds from unused professional services to hardware purchases.
- ❑ Actual Local JCEF Funds Used: **\$189,330**
 - ❑ Savings split between unused professional services and hardware purchases being less than budgeted.
- ❑ State JCEF Funds: **\$0**

Project Objective and Goals

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▶ Objective

- ▶ Create a stable environment for aging systems and prepare for migration of legacy Case Management System (CMS) to statewide standard

▶ Goals

- ▶ Replace the court's legacy OpenVMS server due to its age and hardware failures
- ▶ Replace other aging legacy servers that are out of warranty
- ▶ Software upgrades and licensing
- ▶ Replace slow courtroom computers

Project Results

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- ▶ **No CMS outages since December 2007**
- ▶ Replaced the court's legacy OpenVMS server
 - ▶ Migrated to more reliable server hardware
 - ▶ 24/7 uptime; scheduled monthly maintenance for complete system backup
 - ▶ RAID 5 hard disk set; disk failure does not result in server outage
 - ▶ Installed backup server that has same hardware and software in case of primary server failure; upload backup data and ready to go within hours
 - ▶ Faster performance - everyday tasks take up to half the time
 - ▶ Upgraded software for better performance and stability
 - ▶ Contract with 24/7 phone support vendor that specializes with these types of systems
 - ▶ Documentation completed
 - ▶ Key to understanding limitations and possibilities of the current CMS
 - ▶ Foundation for migrating to new LJCMS

Project Results

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- ▶ Replaced other aging legacy servers that are out of warranty

- New Operation Servers
 - Domain controllers – upgraded infrastructure and security for court services
 - File server – faster performance and higher capacity for court needs
 - Document imaging, FTR court audio files, other court documents

- New Firewalls
 - Secure, encrypted data transfers between court buildings
 - Secure, encrypted data transfers between court and AOC

Project Results

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- New Application servers
 - Microsoft Database Server
 - SQL Server 2005
 - Key to bolt-on applications that supplement CMS
 - Public Web Server
 - Better performance for users
 - Updated standardized development for IT staff
 - Internal Web Server
 - Court calendar, report services
 - Mail Server
 - Exchange 2007
 - Upgraded for better security and hard disk size
 - File Transfer Server
 - Secure connectivity to AOC server for file transfers
 - MQ client for eCitations

Project Results

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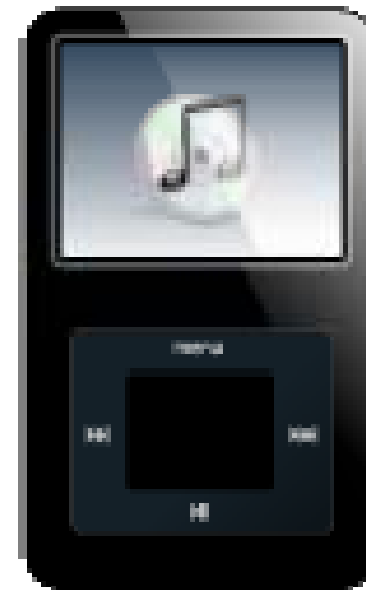
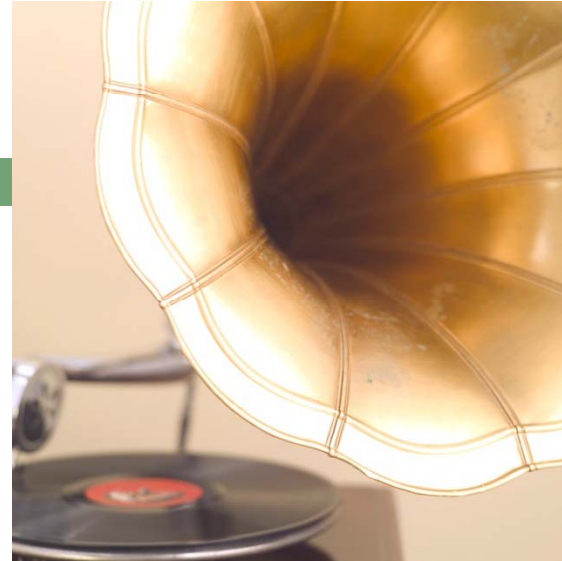
- New desktops for courtroom clerks
 - Better performance for running concurrent applications such as CMS, FTR audio recording, court calendar, electronic sign in

- Software Upgrades and licenses
 - Office 2007
 - Symantec Anti-Virus upgrades
 - Track It! – IT work orders and incident reporting

CMS Limitations

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- Even with the updated infrastructure and stabilization efforts, **we still have the same CMS software**
- We are using a RCA player connected to an iPod world
 - Not designed for our current case volumes
 - Cannot be modified directly
 - Extremely difficult to develop bolt-on applications



Summary

- The IT Stabilization Project was a comprehensive overhaul of the court's servers and infrastructure
 - Upgraded CMS server provides better performance to handle court's growth over the last 20 years
 - Upgraded operations servers provide better security, faster performance, and higher capacity
 - Upgraded application servers provide better performance for bolt-ons, standardized development platform for IT staff, and connectivity to AOC server
- Still limited with current CMS software

QUESTIONS?