



Pima County Consolidated Justice Court – IT Stabilization Project

Presentation to the Commission on Technology

June 2008



Background Information

- Start date: June 2007
- Original end date: December 2008
- State JCEF Budget: None
- Local Budget: \$249, 637

Project Objective and Goals

- ▶ 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
 - ▶ Migrate to more reliable server hardware
 - ▶ Upgrade software for better performance and stability
 - ▶ Replace other aging legacy servers that are out of warranty
 - ▶ Upgrade the infrastructure and security in which the court services operate
 - ▶ Purchase needed software licenses

Court's OpenVMS System

- Hosts the CMS
 - Central and critical to court's operations
 - Originally Maricopa's system from the mid 1980's
 - Menu driven, no windows or mouse clicks
 - Limited functionality: very difficult to grow or modify to meet the court's changing needs
- Hardware is 12 years old
 - Has not kept pace with growing court's growth
 - No built-in fail safe systems: a failed disk means lost data and time!
 - Past year: One disk failure and four system crashes

Court's OpenVMS System

- Migrating CMS to new server hardware
 - Hardware is newer, but still not current
 - Uses disk mirroring: disk failure does not result in lost data
 - Better hardware resources: higher performance for today's court needs
 - Upgraded software: more reliable and stable, greatly reduced risk of crash
- Migration scheduled completion: June 15, 2008
 - IT Department: software installation and data copy
 - Vendor (Parsec Group): system testing, performance enhancements, user testing

Court's OpenVMS System

- Document CMS Server
 - Key to understanding how the CMS performs its work for users
 - Critical to developing changes for new court needs
 - IVR and Photo Radar Enforcement
 - Foundation for migrating CMS to statewide system
 - AmCad, Tempe, ??
 - Began in November 2007
 - IT staff member and contractor (Kathi O'Neill)
 - Currently: 180+ files, thousands of pages of descriptions, charts, code
 - Scheduled completion in August 2008

Replace Other Legacy Servers

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

Replace Other Legacy Servers

- New Application servers
 - Microsoft Database Server
 - 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
 - File Transfer Server
 - Connectivity to AOC server for file transfers

Summary

- The IT Stabilization Project is 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



Questions?
