

VII. CURRENT ENVIRONMENT ANALYSIS

HARDWARE ENVIRONMENT

The Arizona Judicial Branch continues to have a diverse mix of hardware, reflecting the various projects and programs that have evolved over the years, as well as the diverse funding model that supports the courts. This diversity stems from new applications, either acquired and/or developed, in support of an increasing need to track, manage, and report on judicial information. As we continue to evolve, the hardware implemented is of the newest architectures and technologies, designed to support the complexity of these applications and the large geographical area served by the Judicial Branch. At the local level, statewide ideals are subjected to the realities of local funding bodies' priorities, availability of grant funds, and differing funding cycles in play.

FY16 showed a continued reduction in the overall number of Windows legacy systems hosted in the Administrative Office of the Courts' (AOC's) Data Center. Windows NT system numbers remained the same, with one production hosting system and one support system in operation. However, Windows 2000 systems were reduced 86 percent and Windows 2003 systems by 38 percent. Windows NT, 2000, and 2003 environments are planned for elimination in FY17. Continued advancements are being made in data center infrastructure necessary to support computing virtualization and advancements in SAN technology. To improve performance and security in virtual environments, development, test, and production environments were segregated onto separate VM host clusters and all VM environments were migrated to the new HP 3Par SAN environment. As part of the DES relocation, AOC replaced the end-of-life IBM T700 SAN environment, with an HP 3Par SAN. The replacement provides greater capacity, improved disk management capabilities, and higher performance.

See Appendix A for current hardware and platform inventory numbers.

Several server environments are hosted at the AOC's Data Center:

- IBM AS/400s for JOLTS and general administrative operations of the Administrative Office of the Courts;
- IBM AIX systems for operating the LJ ACAP courts, the appellate courts, Data Warehouse, Datamart, IBM MQ Messaging infrastructure, and Tivoli backup technology; and
- Windows servers for JWI, NewWorld, AJACS GJ, AJACS LJ, Adult Probation, AZYAS, OnBase EDMs, Internet, Intranet, Citrix, Jury Plus, ROAM, Defensive Driving, e-mail, AZTurboCourt, JOLTSaz, Central Document Repository (CDR), CCI, SWID (Juvenile Statewide ID), NICS, eFiling, eBench, eAccess, Tax Intercept Program, desktop deployment, SQL Server Reporting Services (SSRS), statewide remote on-line training, as well as file and print sharing. New applications due to be released into the Windows environment in FY17 include, at a minimum, eWarrant.

The desktop environment includes a variety of PCs. AOC/ITD, under COT's direction, has undertaken a new remote desktop management and software subscription approach designed to enable recently refreshed client hardware to last 8+ years and ensure the technology needed to support the evolution of statewide applications and projects remains in place.

The following are the most recent PC models deployed as courts progress through the technology refresh project lifecycle.

Desktop:

HP EliteDesk 800 G2 Small Form Factor – L1G76AV
Intel Core i5-6500 Processor (3.20 GHz, 6MB Cache), Intel HD Graphics 4600,
8GB DDR4-2133 DIMM (2x4GB) RAM, 500GB 7200 RPM 3.5 Hard Drive,
Intel® I219LM Gigabit Network Connection, Intel Core i5 vPro.

Laptop:

HP EliteBook 850 G3 Notebook PC
Intel i5-6300U/UMA Graphics – L3D24AV. i5-6300U (2.4 GHz w/ Turbo, 3MB Cache)
Processor, and Intel HD Graphics 520, Intel Core i5 vPro, D808AV Integrated camera,
Integrated HD

Printer:

E6B9A#ABA HP LaserJet - HP Laser Jet M605n

Note that hardware items listed in Appendix A are generally housed and supported centrally as a part of statewide or state-level projects. Individual courts often have additional hardware and/or software beyond these items. Equipment acquired and supported locally, as well as both ACAP- and JOLTS-supported desktop devices, are listed in the individual courts' IT Strategic Plans which are attached. Please refer to individual county court plans for additional specifics at the local level.

SOFTWARE ENVIRONMENT

There remains a persistent diversity of software throughout the courts. As the Judiciary moves to centralized support and standardization with a centralized Customer Support Center, the set of products used becomes increasingly standardized. However, industry trends being as fast paced as they are, and unlikely to slow down, there will always be a three-tiered software offering.

- On the first tier are the old or legacy applications.
- On the second tier are the standard applications which are stable and for which training and some Support Center assistance is available. Office 365 and Adobe Acrobat Pro are examples of that type of application.
- In the third tier are the pilot users of what will likely be the next version, release or product. The new statewide LJ CMS system, JOLTSaz, eBench, and eUniversa are examples of third-tier applications.

The list of software products shown in Appendix B is divided into two categories.

The first category includes the products in use statewide in courts for which the Support Center provides assistance. There are many other products in use in the Superior, Justice, and Municipal courts statewide, most often supported by the IT staff of the local court, city, or county government. At the state level, however, these are not supported and not included in the list.

The second category includes those products in use at the Supreme Court and the Administrative Office of the Courts.