

Department: District Attorney**Program Contact:** Adam Brown**Program Offer Type:** Innovative/New Program**Program Offer Stage:** As Proposed**Related Programs:****Program Characteristics:** One-Time-Only Request**Executive Summary**

This one time only funding will allow MCDA to purchase a virtualization device for servers maintained by its internal Information Services Unit. The server virtualization will reduce the time associated with emergency restoration of the Document Management System and allow for the consolidation of servers.

Program Summary

In 2009, MCDA acquired its own automated document management system (DMS), integrating this with its case tracking systems. In a matter of a few years, this repository has come to contain 10 million document images, consuming network storage space of 10 terabytes (data from all other MCDA applications requires about 1 terabyte). The growth of DMS has required network storage space that is presenting trouble for MCDA's data backups and recovery.

Outside of daily, incremental backups, the DMS data file has become so large that a full weekly backup requires the data first to be transferred to disc (SAN), followed by a second transfer to tape. This permits the document management system to continue production operations, otherwise having to be off-line for these extended periods. This is an arduous, time-consuming and risky process, which points to the crux of the problem at hand. In the event of fatal error in DMS operations, a data restoration (movement of data from storage to production) would currently entail 55 hours - - over 2 days where the DMS and all electronic trial-case documentation would be off-line and unavailable to users and integrated applications.

Server Virtualization, a technology that's been successfully implemented for nearly a decade, is a logical solution to this problem. In simple terms, virtualization is the process of separating the software layer of a computer or server from its hardware layer, while a new layer placed between the two functions as mediator. The ingenuity of this design allows for vastly increased resource sharing, presenting practically no wasted or unused storage while easily permitting for later expansion.

MCDA's proposed acquisition of a virtualization device would have remarkable consequences in two significant ways: 1) an emergency restoration of its DMS data would drop precipitously from 55 hours to a few minutes; and 2) the number of servers MCDA operates (30) could conceivably be halved in short order, reducing its capital investment in technology and related operational costs. It should be noted that MCSO has been operating a successful NetApp installation for some years while DCA continues with its robust virtualization scheme.

Performance Measures

Measure Type	Primary Measure	FY13 Actual	FY14 Purchased	FY14 Estimate	FY15 Offer
Output		0	0	0	0
Outcome		0	0	0	0

Performance Measures Descriptions

Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
	2014	2014	2015	2015
Program Expenses				
Materials & Supplies	\$0	\$0	\$75,000	\$0
Total GF/non-GF	\$0	\$0	\$75,000	\$0
Program Total:	\$0		\$75,000	
Program FTE	0.00	0.00	0.00	0.00

Program Revenues				
Total Revenue	\$0	\$0	\$0	\$0

Explanation of Revenues

Significant Program Changes

Last Year this program was: