

HOW DYNAMIC SYSTEMS HELPED THIS
FEDERAL GOVERNMENT CIVILIAN AGENCY

IMPLEMENT A VIRTUALIZATION SOLUTION TO START THEIR TRANSITION TO THE ORACLE CLOUD

FOR THEIR FINANCIAL SYSTEM GROUP

ABOUT THE CLIENT

Industry: Government

Location: Undisclosed



AT A GLANCE

Challenge

Key financial management system for a federal government civilian agency nearing end of support for hardware, operating systems, and application software, so the agency turned to Dynamic Systems for assistance refreshing their application infrastructure.

Solution

Created multiple technology refresh paths for the Oracle SPARC environment supporting the agency's Financial System Group to bridge the transition to the Oracle E-Business Suite Cloud.

Results

- Curbed operating expenses and reduced security vulnerabilities
- Improved data consolidation and financial reporting capabilities
- Reduced complexity and footprint of Enterprise IT environment
- Retired obsolete systems
- Best practices path to Oracle Cloud

Overview

This federal government civilian agency was running their key financial management system on hardware, operating systems, and software nearing their end of service life. Before reaching End of Support, Dynamic Systems developed technology refresh paths for their Oracle SPARC environment and ultimately selected and implemented a new solution leveraging Oracle Exadata Database Machine and Oracle Linux KVM, with the goal of eventually transitioning to the Oracle E-Business Suite in the Oracle Cloud in the next five years.

Challenge

Hosting important enterprise systems in an environment nearing its end of service life is always a challenge for organizations. For a federal government civilian agency, it is even more so; beyond the end of support date, their security policies dictate that they must deactivate obsolete and unsupported systems.

Additionally, this agency hoped to run the Oracle E-Business Suite in the Oracle Cloud within the next five years. To realize that, their IT staff must be fully trained and experienced to support the virtualization technologies and latest updates to the enterprise application software.

Solution

Leveraging their existing partnership, Dynamic Systems collaborated with the agency to create multiple technology refresh paths for their Oracle SPARC environment, ahead of the EOL and EOSL notices. In doing so, the agency can be equipped for their eventual migration to the Oracle Cloud, while also complying with agency security policies for legacy systems.

The Agency needed to implement a virtualization solution which allowed them to meet software licensing requirements. Because of their support of hard partitioning for licensing and their easy transition path to the Oracle Cloud Infrastructure, Dynamic Systems guided the Agency to:



Oracle Linux Kernel-Based
Virtual Machine



Oracle Linux Virtualization
Manager

Additionally, Dynamic Systems provided the agency a lease option for acquiring these hardware:



Oracle Server X8-2



Oracle Server X8-8



Oracle Exadata Database Machine X8M-2

A lease will allow the agency to tap into their Operating Expense budget - another requirement for the Oracle Cloud environment - and remove the physical hardware from their datacenter at the end of the project.

Assisting the agency's IT team with TOIs, installation, configuration procedures, and documentation, Dynamic Systems implemented this change in the agency's IT environment, boosting their operational efficiency by reducing the server footprint by ~75%.

As a result, the agency will be able to retire their obsolete equipment, while also curbing operating expenses and reducing security vulnerabilities.



Results

By partnering with Dynamic Systems, the agency can enjoy running their systems with:

Improved Data Consolidation and Financial Reporting Capabilities

With updated systems, enterprise assets and resources can also expect to see a boost in functionality, accuracy, and security.

Reduced Complexity and Footprint of Enterprise IT Environment

The integration of new and improved platforms makes way for higher operational efficiency, as well as the prevention of costly IT mistakes and mishaps.

Best Practices Path to Oracle Cloud

The agency can look forward to capitalizing on their initial migration efforts and realize their goal of running their systems on the E-Business Suite in the next five years.



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