

EMC Solutions for Civilian, Intelligence, and Defense Organizations using Oracle

The Big Picture

- Enterprise Flash drives are up to 30x faster than Fibre Channel drives offered today.
- EMC was a founding partner in Oracle's Optimized Warehouse Initiative and Oracle uses an EMC Optimized Building Block for their executive financial dashboard.
- EMC partnered with Oracle and Dell to build a large-scale Oracle Grid deployment, nicknamed Mega Grid.

"Oracle believes that EMC's low-latency, high-performance Enterprise Flash devices can help customers achieve higher performance and simpler deployments for their mission-critical, Oracle-based applications."

Juan Loaiza
Senior Vice President
Oracle Server Technologies

"Oracle and EMC have a long history of collaboration around testing and documenting repeatable solutions for our thousands of joint customers. With EMC's Enterprise Flash drives, our joint customers can expect improved performance for their mission-critical Oracle Database environments."

Stephen Boyle
Vice President
Global Platform Alliances

The risks and costs of downtime, poor performance, and unsecured infrastructure are much more significant for government agencies compared to the private sector. Oracle databases and applications often hold classified information or support the organizations that keep our country running. EMC has invested millions of dollars to jointly develop integrated and tested information infrastructures for Oracle environments.

Reduce costs and increase efficiency

For organizations looking to achieve more flexibility and lower costs by deploying Oracle Grid, EMC offers proven solutions to accelerate and reduce risk with the deployment. These reference architectures and implementation guides simplify deployment of:

- Oracle Database Optimized Data Warehouses for Real-time Intelligence
- Oracle 10g or 11g deployments that leverage EMC® Enterprise Flash drives
- Efficient backup and recovery solutions

These areas of focus all leverage the fourteen years that Oracle and EMC have worked together to build solutions.

Enterprise Flash drives are revolutionizing database and application performance

EMC was the first technology company to introduce Enterprise Flash drives as a solution to accelerate performance for latency sensitive and read-intensive workloads. One early adopter, a financial services institution, realized the following benefits without significant change to their existing systems:

- Application servers were able to increase from 4,000 to 6,000 IOPS (50 percent increase) due to faster read performance and lower latency times.
- The customer was able to reduce a batch processing job from 22 to 17 hours, freeing up compute intensive resources for other batch jobs and transaction processing.
- The customer was able to leverage existing resources and defer additional infrastructure purchasing through these performance gains.

EMC Enterprise Flash drives are fully integrated with EMC storage platforms, enabling agencies to take advantage of the performance and cost benefits without any changes to their backup or disaster recovery strategies. EMC also offers reference architectures and solutions guides with best-practice guidelines for targeting workloads and implementing Enterprise Flash drives.

Protect critical information with RSA Security

RSA is recognized as a leader in protecting critical assets. The RSA® Key Manager solution simplifies key management in federated environments and is integrated with Oracle Advanced Security, which provides transparent data encryption, network encryption, and strong authentication for Oracle Database 11g. This appliance also manages keys for EMC PowerPath® data-in-motion encryption and the data-at-rest protection that is standard for all EMC storage platforms.

Reliability and flexible replication solutions

EMC has consistently provided reliable infrastructure to support mission-critical applications. EMC replication solutions, including SRDF®, MirrorView™, and RecoverPoint minimize restart times during failover and maintain consistent data through all layers of the IT stack. This ensures your application, middleware, and database information will come back online synchronized at the last transaction.

These replication solutions are optimized to work in conjunction with Oracle Data Guard. Our reference architectures and white papers discuss the tradeoffs and recommendations of multiple approaches, ensuring your disaster recovery program is tailored to your data protection and infrastructure restart requirements.

Partner of choice

EMC has longstanding partnerships with several government and defense agencies and partners with all of the leading public sector system integrators and consulting agencies. Our commitment to customers, technology leadership, and record of reliability are just a few reasons why you should consider EMC for your next Oracle deployment or infrastructure refresh.



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