

Zione Solutions Engagement Showcase

Financial Institutions:

- I. Zione Solutions was engaged as an expert in database security for audit compliance, and in a preventive measure to protect against security threats and data theft. Zione Solutions implemented a solution for audit compliance using Database Vault, Audit Vault, and Database Firewall. The project scope included writing scripts, policies, and reports for secure implementation. These proactive measures prevented loss of applications, financial loss, and share value loss.
- II. Client had performance issues with Daily Batch Loan Application SLAs. Zione Solutions analyzed and built a solution improving the LoanIQ application batch run time for a 1TB database. This involved performing Gap Analysis and reviewing end-to-end infrastructure for hardware, software, and network (including storage). The resulting solution addressed the SLA performance, satisfying the customer base, and preventing substantial revenue loss.
- III. The client requested a solution to reduce the amount of time it would take to display checks for account holders processing their checks. Zione Solutions provided services for performance tuning, which resulted in approximately 90% improvement in performance, allowing displays to process within 1-2 seconds, and also implemented monitoring tools and provided an Oracle 19c database upgrade.

Pharmaceutical:

- I. Client had an intermittent query performance problem on their Data Analytics platform, related to the database instances that were running on Exadata. Zione assigned a senior resource to troubleshoot and diagnose the root cause. The root cause was due to the databases using partitioned tables, and the Oracle Database software having a bug related to incremental statistics. Zione was able to rebuild the database dictionary and change the design for the daily gathering of statistics on tables that had partitions. The throughput of the queries is now consistent across all databases running on Exadata.
- II. Zione Solutions designed a High Availability and Disaster Recovery production architecture for solving a business requirement for the Client. Zione recommended the Client's management to purchase Exadata and ZFS Backup Appliances. Zione designed a totally redundant high-speed RMAN backup solution, using multiple threads and connection channels to backup data to the

ZFS Backup appliances. Zione authored scripts to replicate the backups across an MPLS WAN so that two copies of database backups were retained at two different data centers.

- III. Zione Solutions helped the Client's developers redesign their IBM Cognos front-end application and back-end processing. The Client user community of the IBM Cognos platform is now more user-friendly, and ad-hoc report changes can be done in a few minutes. The redesign has eliminated the delays related to development work that was previously required to make ad-hoc changes to the reports. The redesign has saved much-wasted development time, as the users can do it themselves now.

Human Capital Management (HCM):

- I. Zione Solutions implemented the then-largest Oracle-on-Oracle payroll system from Sun Solaris to Exadata. Implementation included design, configuration, migration, and upgrade for a move of clients. This included a PeopleSoft Tools and App upgrade for Financial and Payroll systems. Oracle Enterprise Manager - Level 4 implementation to manage the engineered systems ExaData, ODA, and ExaLogic across the site in cloud.

Hospitality:

- I. Zione Solutions provided the client with Database Migration upgrades, performance tuning, and setup & configuration for a client with multiple international properties. The delivered solutions emphasized high throughput and faster response time.

Retail:

- I. Zione Solutions provided services for Architecting, Designing, and Implementation for Edition-Based Redefinition (EBR) for 2300+ remote production client databases. This allowed for client's database applications to be upgraded with no downtime, providing cost savings and lack of interruption to service.