FlashGrid Delivers Oracle RAC on AWS to Support Record Holiday Sales for a Global Retailer

Partner Case Study

Challenge

Pivotree was leading a digital transformation project that involved a strategic move of an on-premises Oracle ATG Commerce with Oracle RAC implementation to AWS. The customer, a global retailer, was looking to achieve better scalability of their e-commerce systems during the holiday season.

Solution

FlashGrid support team provided Pivotree with an assessment of the existing on-premises Oracle RAC cluster, and initial sizing for the deployment on AWS. Then Pivotree team used FlashGrid Launcher to configure and deploy the new cluster in customer's AWS account. After migrating the data between clusters using standard Oracle RMAN procedure, the AWS-based system was put into operation.

FlashGrid configuration:

- Three Oracle RAC database nodes (r5.12xlarge) spread across three availability zones for maximum availability
- Storage: 13 TB on EBS general purpose SSD volumes
- Oracle Database ver. 11.2.0.4
- Oracle Grid Infrastructure ver. 18c
- Oracle Linux 7
- FlashGrid Storage Fabric ver. 19.5
- FlashGrid Cloud Area Network ver. 19.3

Results

The customer saw a record-breaking 5x growth of peak user sessions during Black Friday 2019, monitored closely by Pivotree and FlashGrid support teams. Zero downtime and highly responsive performance of the AWS-based Oracle ATG Commerce system helped the customer to achieve substantial revenue increase compared to the same period of the previous year.

Pivotree is the only end-to-end Commerce and Master Data Management services provider supporting clients from strategy, platform selection, deployment, and hosting through to ongoing support.

Pivotree is a trusted partner to over 200 market-leading brands and forward-thinking B2C and B2B companies, including many Fortune 1000.

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"Robust, fast, and highly available database is essential for Oracle ATG Commerce. FlashGrid for Oracle RAC on AWS is easy to deploy and run, and their 24/7 technical support service is outstanding."

Chris MacLean
VP Cloud, Pivotree

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