Conversational and Cognitive AI Leader Chooses FlashGrid for Database High Availability in Azure Cloud

Case Study

Challenge

Nuance PowerShare is the industry's largest medical imaging network with 3+ billion images exchanged by thousands of connected facilities. As part of migrating the PowerShare service to Azure cloud, Nuance database and infrastructure teams approached FlashGrid for help with implementing a highly available Oracle database backend for the service.

Solution

FlashGrid offered Nuance a database backend architecture based on FlashGrid engineered cloud system, an Azure Certified software offering delivered via Azure Marketplace. FlashGrid, featuring Oracle RAC database engine, protects against unexpected infrastructure or software failures with zero RPO and RTO and allows maintenance operations on the database nodes with no service downtime. Infrastructure-as-Code automation makes deployment of the database clusters simple, fast, and repeatable.

Database cluster configuration:

- Three Oracle RAC database nodes: E64s_v3 VM type
- Data Store: 19 TB usable on Premium SSD disks
- Oracle Database Enterprise Edition ver. 11.2.0.4
- Oracle Grid Infrastructure ver. 12.2.0.1
- Red Hat Enterprise Linux 7
- FlashGrid Storage Fabric ver. 18.07
- FlashGrid Cloud Area Network ver. 18.07

Results

Nuance PowerShare now has a highly available database backend for providing continuous and uninterrupted medical image sharing service while taking advantage of the flexibility and the agility of the Azure cloud infrastructure.

Nuance Communications (NASDAQ: NUAN) is the pioneer and leader in conversational and cognitive AI innovations that bring intelligence to everyday work and life. Nuance delivers solutions that can understand, analyze and respond to human language to increase productivity and amplify human intelligence. With decades of domain and artificial intelligence expertise, Nuance works with thousands of organizations – in global industries that include healthcare, telecommunications, automotive, financial services, and retail – to create stronger relationships and better experiences for their customers and workforce.

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"FlashGrid provides us all elements needed for running our mission-critical Oracle databases in Azure: storage and networking software, deployment automation, and 24x7 support."

Jay Wilder
Sr. Director of Software Engineering
Nuance Communications

FlashGrid Inc.
440 N. Wolfe Rd.
Sunnyvale, CA 94085 USA

flashgrid