

FlashGrid Enables Database High Availability in AWS for a Mobile Solutions Enterprise

Customer Case Study

Challenge

Digital Virgo is mobile payment provider specialized in monetization of e-goods, processing tens of millions of transactions every month. To ensure continuous operation of its service Digital Virgo needs a highly available relational database. Digital Virgo's entire infrastructure runs in Amazon Web Services cloud. Hence, the HA database also must be running in AWS.

Facing the challenge of running the mission-critical database in the cloud, Digital Virgo's IT Operations and Infrastructure team decided to implement an Oracle RAC database cluster enabled by FlashGrid software.

Solution

Oracle RAC provides database HA. FlashGrid Cloud Area Network software and FlashGrid Storage Fabric software enable advanced network and storage capabilities in AWS required for the HA architecture. Together, the FlashGrid software and Oracle RAC protect against unexpected infrastructure or software failures with zero RPO and RTO and allow maintenance operations on the database nodes with no service downtime.

Cluster configuration:

- Amazon Web Services EC2 Cloud
- 2-node Oracle RAC cluster
- r4.2xlarge instances
- Four 1000GB EBS volumes per instance
- Oracle Database 11.2
- Grid Infrastructure version 12.1
- Red Hat Enterprise Linux 7
- FlashGrid Cloud Area Network 17.05
- FlashGrid Storage Fabric 17.05

Results

Digital Virgo has met its cloud migration objectives without sacrificing high availability characteristics of its core database and of the services relying on it.

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DIGITAL VIRGO
(E N T E R T A I N M E N T)

Digital Virgo SA is a major provider of mobile and digital solutions in Central Eastern Europe headquartered in Poland.

Digital Virgo connects content providers, telecommunication operators, media, and advertising agencies to achieve their business targets by providing a wide range of mobile solutions.

www.digitalvirgo.pl

"True database HA in the cloud became possible thanks to the adoption of FlashGrid software solution. Implementing Oracle RAC with FlashGrid in AWS is an important milestone in Digital Virgo's cloud journey."

Mikołaj Klimek

Deputy Director
IT Operations and Infrastructure
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