Oracle Cloud Platform: Built for Enterprise

Entrust Datacard Corporation

A leading provider of trusted identity and secure transactions™ technology solutions moves Oracle E-Business Suite disaster recovery to the cloud

Entrust Datacard serves customers in 150 countries with identity and secure transaction technologies, enabling consumers, citizens, and company employees to make purchases, access e-gov services or log onto corporate networks securely, anytime from anywhere.

A long-time user of Oracle E-Business Suite (EBS) for customer relationship management, supply chain, and order management, the company uses Exadata to ensure high availability of EBS for thousands of users, but needed to update their disaster recovery (DR) environment with a modern cloud solution in the event of a data center-wide outage.

Aging disaster recovery infrastructure required an update

The Entrust Datacard disaster recovery site was in a colocation facility separate from their primary data center. It was regularly tested, but otherwise rarely utilized. The hardware had aged, and it was undersized for their current needs.

The team explored several options. Remaining with their colocation facility would be expensive – the servers, storage, and network were all in need of upgrades and modernization. It would also take a long time. Moving the DR in-house to one of their primary offices initially looked like a better option, but they encountered multiple networking challenges to ensure appropriate routing, VPN access, and sufficient bandwidth from their primary facilities and datacenters to the DR location. They then began to explore the public cloud, but those options were simply too expensive for this deployment.

Agile and cost-effective Disaster Recovery – in the cloud

Oracle Cloud Infrastructure offered a variety of advantages, beginning with cost. Entrust Datacard pays only for the cores in use, rather than buying hardware they might someday need. Database administrators continued using the components and tools they were already familiar with using in their on-premises production deployment, speeding the transition and eliminating the complexity of learning and maintaining an alternative environment.

The database team recreated compute, storage, and networking configurations nearly identical to their on-premises environment, which sped the deployment. The networking team established the Virtual Private Network (VPN) connection, and they were up and running.

"Deployment was quick and simple – we could manage almost everything within a single team. We can fire up a Linux host in one minute, instead of creating a ticket and waiting for manual internal processes to allocate it to physical hardware, configure, deploy it, and notify us of completion. That can take days."

- Jim DeVos, Applications and Database Administrator, Entrust Datacard

PROFILE
- Identity and security technology
- North America

BENEFITS
- 10x the IOPS of their previous solution
- Ability to scale mission-critical deployment elastically with need
- Cost-effective disaster recovery solution, powerful enough for full production workload
- Avoided the cost of buying DR infrastructure
- A single vendor for sales and support of both infrastructure and software
- Met compliance needs
- IT staff are using the same tools they are already familiar with, speeding the transition

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The solution enabled the team to bring the existing Oracle licenses they had been using in their DR environment to their new environment on Oracle Cloud Infrastructure.

The new solution also provides more flexible networking – they can easily create public subnets and a few routing rules to enable remote users to securely access the DR site via the internet, if needed. The prior DR site required the corporate network to be up and running in order to provide service – something that might not be the case in the event of a disaster.

After only two months, the complete disaster recovery solution was brought online, tested, and is now in service. It consists of a database server and an application server – and can be easily and quickly scaled up as the need arises.

"In the future, we may move our production deployment to the cloud with a fully load-balanced application stack to support the whole company, Oracle Cloud Infrastructure is really the best place to run Oracle applications in the cloud," said Jim DeVos.

EBS Disaster Recovery
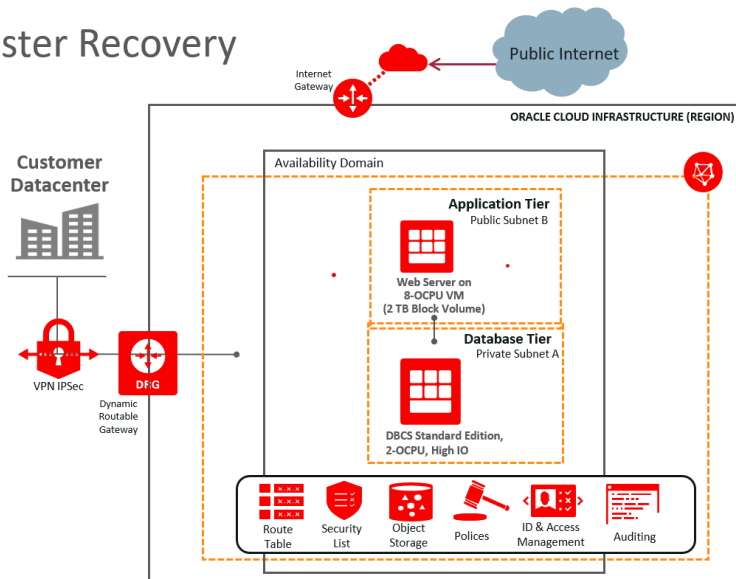
About Entrust Datacard Corporation

Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports and ID cards to the digital realm of authentication, certificates and secure communications.

Integrated Cloud Applications & Platform Services