Cloud Adoption for Independent Community Living with Extranet Systems

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Executive Summary

AWS Partner Extranet Systems helped Illawarra Retirement Trust (IRT) to start their AWS journey by delivering alternative solution achieve their compliance requirements for long-term data archives along with a Disaster Recovery Solution (DRS) solution for their on-prem Data Center which meets relevant RTO/RTO objective to meet business needs.

Customer Challenge

Illawarra Retirement Trust (IRT) is one of Australia's largest community-owned providers of independent living, aged care, and home care. They have more than forty communities and home care service hubs in across Australia. IRT has on-prem Data Center delivering applications for the services and infrastructure. The on-prem Data Center infrastructure lacks disaster recovery capabilities, which introduces challenges and risks in delivering uninterrupted services, often experienced days of delay in bringing back the services online on Data Center infrastructure failure. Hence, the IRT was looking for options implement a flexible disaster recovery solution with Recovery Time Objective (RTO) in minutes and Recovery Point Objective (RPO) in sub-second range.

Additionally, IRT is obliged to keep 7-year of data achieve for compliance requirements, which used to be at local Network Attached Storage (NAS), and they were seeking a cloud alternative to benefit in price, performance, and retrieval flexibility.

Illawarra Retirement Trust (IRT) is one of Australia's largest community-owned providers of independent living, aged care and home care. They have more than forty communities and home care service hubs in New South Wales (NSW), The Australian Capital Territory (ACT) and Queensland (QLD).

AWS Services Used

- AWS Elastic Disaster Recovery
- AWS S3 Glacier storage
- AWS Direct Connect

Benefits

- Secure data and application replication
- Faster recovery from failure
- Quicker archive retrieval

AWS Cloud Solution Delivered | Faster Recovery time with AWS Disaster recovery

Extranet's strong experience in the Data Center and Cloud technologies with the long-term association with IRT, they became the right choice of provider to address these requirements for IRT. Extranet's specialization in Backup & DR with strong Data Center and Cloud experience helped IRT to deploy the solutions optimally in terms of performance and cost.

To build the DR solution in AWS, IRT has worked with Extranet to build AWS Elastic Disaster Recovery service. Extranet in consultation with AWS Distribution Partner (Westcon Comstor) and AWS team, helped IRT to realize their desired business outcomes when using AWS. Together, the teams were able to design a DR solution, map applications and networks, and build and test a DR playbook.

AWS snowball were used for the initial high-volume data for migration of the existing 140 TB achieving data. The Veeam AWS integration with AWS S3 Glacier has been used as the ongoing achieving backup solution.

Implemented AWS Elastic Disaster Recovery to minimizes downtime and data loss with fast and reliable recovery of on-premises and cloud-based applications using affordable storage, minimal compute, and point-in-time recovery.

Outcome & Benefits

S3 Glacier's flexible data retrieval options helped IRT to implement a flexible retrieval option as per their compliance requirements. The S3 Glacier storage security and it's integration with AWS CloudTrail helped IRT to log, monitor, and retain storage API call activities for auditing and compliance purpose.

AWS Elastic Disaster Recovery helped IRT application to carryout secure data replication of application instances deployed in on-prem Data Center and have flexibility to add or remove replicating instances as needed. AWS DRS found to be a great choice for IRT as it significantly reduces the CapEx for deploying a redundant on-prem Data Center for DR but quickly recover operations after unexpected events such as software issues or datacenter hardware failures.

About AWS Partner Extranet Systems

Extranet Systems is based in Australia and capable of offering a wide range of professional services in connection to software development and IT. These include cloud services, RMM, network infrastructure, IoT, research and development, cyber security, hardware procurement, software design VoIP and virtual desktop environments services.