

Disaster recovery delivers greater compliance and resilience for Finvu



Client profile

Finvu is an Indian fintech leader, providing secure financial data access through its account aggregator platform. They enable individuals and businesses to manage and share financial data across accounts, enhancing decision-making and customer experiences in banking, insurance, lending and wealth management.

Finvu wanted to implement a disaster-recovery solution for better compliance and infrastructure resilience. To achieve this, they partnered with NTT DATA to build a staging environment and disaster-recovery (DR) setup on Google Cloud Platform (GCP). The project involved building a landing zone on GCP, replicating their database and implementing their directory service replication.



Partnering with NTT DATA gave us peace of mind and confidence in our journey to the cloud, knowing we had expert guidance every step of the way.”

Vamsi Madhav, Chief Executive Officer, Finvu
(Cookiejar Technologies)

30%

less manual effort with automated infrastructure creation

30 min

recovery-time-objective ensuring high availability

100%

monitoring efficiency with real-time alerts

16TB+

data replication to enable continuous business operations

Business need

Improve infrastructure resilience

For DR setup, the replication of data presented significant challenges — the type of data required seamless handling. Addressing these complexities involved designing specialized solutions to ensure seamless integration of their directory service replication and efficient database replication on GCP.

Solution

Staging and DR on Google Cloud Platform

NTT DATA implemented an enterprise landing zone on Google Cloud, laying a secure and scalable foundation for DR. We set up both staging and DR environments, tackling each aspect methodically. Infrastructure for continuous integration/continuous delivery (CI/CD) pipelines were built to streamline deployment processes, while the enterprise landing zone provided a robust cloud environment for Finvu's operations.

After completing the staging setup, applications and databases were migrated to Google Cloud, with validations ensuring that applications functioned as expected postreplication. Following this, the DR setup was configured, with applications and databases migrated to the DR environment. Finally, a DR drill was conducted to test and confirm that the requested industry-standard recovery time objective (RTO) and recovery point objective (RPO) were met, ensuring a secure, resilient cloud infrastructure for Finvu.

NTT DATA created a DR runbook, conducted handover sessions and provided thorough documentation to ensure seamless knowledge transfer and clear guidelines for all teams involved in the DR process. We set up monitoring and alerting for infrastructure and application availability, as well as database replication latency, to quickly flag any issues that could affect RTO and RPO, providing proactive incident management.

Outcomes

Partnering with NTT DATA brought unmatched expertise in cloud architecture, DR and backup solutions, Helping Finvu achieve resilience, regulatory compliance and operational efficiency. With a proven track record of delivering scalable, tailored solutions, NTT DATA leverages advanced automation, comprehensive security, risk-mitigation techniques, continuous monitoring, proactive support and thorough knowledge transfer to ensure transformative customer success for our clients.

Highlights:

Successful RTO/RPO compliance

Achieved the target RTO/RPO, ensuring rapid system restoration and minimal operational disruption during DR scenarios

Enhanced operational efficiency

Automated infrastructure creation through CI/CD pipelines, significantly improved operational efficiency, enabling faster deployment and easier maintenance

Minimal downtime replication

Conducted multiple proof-of-concept tests for replicating client's directory service replication and load balancer traffic splitting, reducing risks and ensuring seamless production transitions with minimal downtime and no outages

Extensive testing for reliability

Performed comprehensive platform and application testing, including a canary release to DR, while load balancing between GCP and on-premises, ensuring the DR cutover was successful and issue-free

Enhanced Customer Satisfaction (CSAT)

Improved CSAT scores by delivering a resilient, highly available and secure infrastructure, meeting Finvu's business continuity and performance expectations

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