

Rabobank and Sprint Networks

Partnering for success



Sprint Networks

Creating Networks With More Possibilities



Rabobank

DESIGNING THE CLOUD READY INFRASTRUCTURE

Professional Managed Services for Rabobank

Rabobank depends on professional managed services for its day-to-day business needs in order to function effectively and sustain its high business standards.

Sprint Networks have been contracted to provide a professional service and design a new on-premises edge infrastructure and build ExpressRoute connections to the Azure Cloud.

The Challenge

Rabobank will be using the private cloud for enterprise applications for its day-to-day business needs. Therefore, the goals of this design is to help Rabobank function effectively and sustain its high business standards while providing service continuity and network availability. The new on-premises design and architecture avoids the possibility of a single-point-of-failure.

THE SOLUTION

Our simple but comprehensive design

Sprint Networks proposed a high-level design that failover between two data centers by using Border Gateway Protocol (BGP) and Bidirectional Forwarding Detection (BFD). BFD provides the capability of fast convergence and forward traffic in milliseconds when a path failure is detected.

As a result, the network shall achieve:

1. Last Mile Redundancy - Using the service links from different service providers, customers can have redundant physical connections from their on-premises data centers to different Express-Route (ER) locations. It also provides geopolitical redundancy for the Last Mile connections.
2. ER Circuits Redundancy - Microsoft Azure provides a pair of ER circuits from each ER location for redundancy. Each virtual circuit forms a BGP peering between the customer edge device and Microsoft Enterprise Edge routers (MSEE).
3. Azure Regions Redundancy - Customers can access all Microsoft cloud services hosted in different regions of Australia from one ER location.

THE SUPPORT

Managing Rabobank's network

A stable, secure and high-performing data network is essential if organisations are to function effectively and sustain their high business standards.

Sprint Networks ensures the network can support cloud based applications and is robust and reliable. We strive everyday so that Rabobank can leverage the power of cloud services to increase productivity, enhance customer satisfaction and keep costs down.

Sprint Networks is supporting Rabobank with the design, deployment and ongoing support of the on-premises edge infrastructure in Australia.

"We have found Sprint Networks' Engineers to be highly skilled and a very professional. This makes working with them a joy. The Sprint Networks team has always made themselves available and they work independently or with the team Rabo Bank when required with lightening speed"
Muhammad Javed - COO
IT Infrastructure

LOOKING FORWARD

Building a Multi-cloud ready infrastructure

Looking to the future, Sprint Networks shall help Rabobank to design a network to provide scalability for the future to engage with other cloud service providers such as Amazon Web Services (AWS) and Google Cloud Platform (GCP) and provide segment routing between each service provider.

Sprint Networks is constantly innovating on Rabobank's behalf and pushing the boundaries of the digital landscape until an optimal sweet spot is met between innovation and digital excellence.



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