



RapidDR - Real-time Recovery



vGRID RapidDR uses Veeam Data Platform and Veeam Cloud Connect to deliver an integrated Disaster Recovery as a Service (DRaaS) solution for customers with on premises VMware vSphere or Microsoft Hyper-V workloads.

Critical VMs are replicated to the vGRID Infrastructure as a Service (IaaS) platform on a regular basis and are ready to be powered on immediately should disaster strike. This level of real-time recovery produces a near-zero Recovery Time Objective (RTO).



Is a low RTO important?

When deciding on the best DRaaS solution it is important to consider Recovery Time Objective (RTO) and Recovery Point Objective (RPO). The only way to achieve a very low RTO is through VM replication into a suitable IaaS platform, allowing VMs to be immediately powered on with the most recent recovery point.

vGRID RapidDR provides the best option for a low RTO DRaaS solution.

The second decision is your RPO which will determine how frequently you replicate VM changes to RapidDR.

Available bandwidth and rate of change will dictate the minimum frequency possible for a VM. With RapidDR an RPO of 2-4 hours is generally possible. For shorter RPO's for critical workloads we support Continuous Data Protection (CDP) which can get those RPOs down to minutes rather than hours.

A locally hosted and supported service

vGRID RapidDR is delivered out of Tier 3+ datacentres in Auckland and Hamilton. vGRID is a locally owned and operated company with staff based in Hamilton who support the hardware platform and provide highly skilled support services. You can access your DR environment using the Internet or dedicated highspeed, low latency connectivity with no ingress or egress charges. A simple to understand cost model with no surprises.



Efficient network performance

After an initial replication (VM Replica), all future replication jobs are incremental, only copying data that has changed. This ensures that replication jobs are quick and efficient. Furthermore, where Cloud Backup data already exists it is possible to replicate from this backup data to reduce the amount of data copied to the Cloud. It is also possible to deliver dedicated network solutions that keep backup and replication traffic off your Internet connection to allow for more frequent recovery points without impacting other services that use your Internet connection.



Typical Activation Process

- Identify that DR activation is required
- If your Veeam Backup & Replication infrastructure is available, start failover plans, otherwise connect to the vGRID RapidDR portal and start failover plans
- Connect to the vGRID IaaS platform and confirm DR VMs have started correctly
- Connect to your RapidDR environment via Internet VPN or WAN connection and continue to use your production services



Typical Failback Process

- Confirm the production environment is running correctly and the Veeam Backup environment has been restored
- Schedule a suitable downtime window and start the failback process. This will copy changes in your vGRID RapidDR environment back to production
- Start using your production environment
- Restart replication to vGRID RapidDR so you are ready should another DR event be required in the future.

While this can be a fully self-managed service it comes with the backing of vGRID expert staff who are only a phone call away should assistance be required