

HYBRID DISASTER RECOVERY

Hybrid Disaster Recovery provides a flexible and affordable self-managed disaster recovery service in the cloud. It gives you full control to replicate data, databases and virtual servers between your on-premises, third-party or Telstra cloud to our disaster recovery infrastructure – all via the Telstra Next IP® network.

True disaster recovery as-a-service

Software-based, Hybrid Disaster Recovery requires no hardware installation so you can deploy a complete disaster recovery solution yourself.

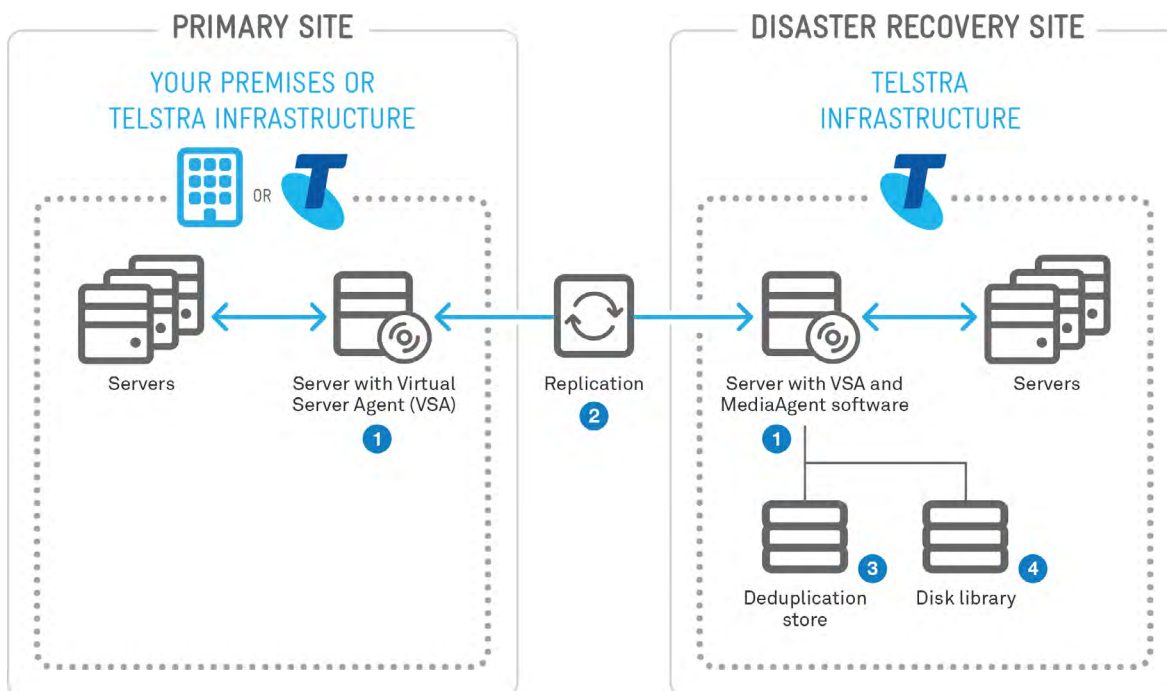
The solution is scalable and infrastructure agnostic, integrating effortlessly with both production and failover environments. It can adapt to future requirements without the need to re-architect your disaster recovery systems.

Stay in control of your disaster recovery

With one login, you can manage your disaster recovery solution via the **Cloud Services management console**. This intuitive portal lets you build, manage and test your disaster recovery solution with ease. Generally, you can achieve a two-hour Recovery Point Objective (rollback point for data restore) and a two-hour Recovery Time Objective (time to restore).

Hybrid Disaster Recovery is underpinned by world-leading CommVault technology and local hosting in our security and risk management certified data centres. You can take advantage of these advanced capabilities with affordable pay-as-you-go pricing and no minimum term.

How does it work?



- 1. Client agent server** – you'll need at least one of these in both your primary and disaster recovery site environments. You install the disaster recovery software onto this server, which is dedicated to your Hybrid Disaster Recovery service.
- 2. Replication** – occurs automatically every two hours or you can perform replications on demand.
- 3. Deduplication store** – evaluates patterns to be saved to restore points and checks if identical sections have already been saved.
- 4. Disk library** – where replicated data is stored.

With Hybrid Disaster Recovery, your failover destination must be:

- Our **Tailored Infrastructure** Virtual Server (dedicated) service; or
- Our **Cloud Infrastructure** Virtual Server (dedicated) service.

Features	Benefits
Self-installation Easy-to-install application	- Set up your disaster recovery solution quickly - If you use our Cloud Infrastructure service, there's no need to engage a provider for set-up or wait to activate the service
Software based and infrastructure agnostic - Works with Telstra cloud infrastructure as well as your on-premises and third-party cloud infrastructure - Integrates easily with your existing disaster recovery solution - Automatic feature updates from the cloud	- Maximum compatibility with both production and failover environments - Grows with your business – no need to re-architect as your environment changes - Scales easily without the need to source additional hardware - Leverage your current investment in disaster recovery assets - Enjoy up-to-date capabilities with no effort required on your part
Cloud Services management console - One web-based console for infrastructure management and disaster recovery - One unified dashboard to configure and test your disaster recovery service - Predefined templates and configuration thresholds, such as maximum allowable disk space, memory allocation and server explanation - Policy driven workflow automation	- The simplicity of one dashboard and login for your entire Telstra cloud solution - Quickly deploy and recover any volume and type of data without calling on a service provider - Test your disaster recovery measures at any time - Easy-to-use interface – no need for training or additional staff - Reduces human error and accelerates recovery time
Intelligent data replication and deduplication - Replicates data at the application level, not just at the server level - Incremental data movement includes de duplication and eliminating server whitespace from recovery copies at your site	- Enables faster restoration of applications - Lower storage costs and faster data transfer (potential to free backup traffic by up to 90%) - Avoids unnecessary backup data transfers
Best-of-breed technology - CommVault is a leader in Gartner's 2014 Magic Quadrant for Enterprise Backup Software and Integrated Appliances – for the fourth year running - Telstra data centres are certified to the ISO27001 Security Management Standard and the AS/NZS 31000:2009 Risk Management Standard	- Assurance of a proven and advanced disaster recovery solution - Peace of mind that your applications and data have the highest levels of protection
Local hosting Failover sites are located in Australia	Lower latency for faster backup and restore
Network access You can connect over the Telstra Next IP® network	- Fast data transfer and recovery with the Telstra Next IP® network (up to 10Gbps bandwidth) - No need to set up and pay for a point-to-point connection
24/7 support A single service desk to support your solution	Rapid resolution of issues from one touch point
Usage-based pricing - No upfront licensing costs and just a one-off set-up fee - A set fee per month per protected server (regardless of usage), charged in arrears	- Minimal set-up costs - Predictable monthly bills that are easy to budget for - Avoid costly capital investment - Flexibility to scale services up or down on a monthly basis with no penalty

Optional add-ons

Professional services

- We can help you develop your disaster recovery plan, providing architectural designs and guidance to protect existing and additional applications and services as your business grows.
- Have an existing plan? Our Infrastructure Availability Baseline service can review your existing disaster recovery plan and multi-site strategies to assess any gaps around uptime and desired availability. We document and plan suggested improvements so your business is protected now and in the future.

Things you need to know

When you subscribe to this service you'll receive detailed instructions on how to install and manage the disaster recovery software. Here's what you'll need to get started:

- a primary environment at your premises or on our **Cloud Infrastructure** or **Tailored Infrastructure**
- a disaster recovery environment(s) on a virtual server (dedicated) self-managed service on our:
 - Cloud Infrastructure** or
 - Tailored Infrastructure** ([service pre-activation requirements apply](#))

- an Australian Telstra Cloud Services account (this service is not available to Telstra Global customers)
- VMware® vCenter Server and ESX Servers at vSphere 4.1 or 5.x.x
- for Cloud Infrastructure customers:** a Telstra Next IP® network connection, including connection to the private interconnect of your virtual data centre(s)
- internet access
- at least one server dedicated to this service at each of your primary and disaster recovery sites
- additional storage at your secondary site, depending on the size of your primary site environment.

Find out more about this service's pre-requisites

For more technical information, including details on server and storage resource requirements, refer to the **Hybrid Disaster Recovery User Guide** (you'll need a login to the Cloud Services management console to access this).

About Telstra

We provide network services and solutions to more than 200 of the world's top 500 companies. They rely on us to do business across 240 countries and territories and to enable greater productivity, efficiency and growth.

Our solutions offer the best of all worlds – skilled people and a rich portfolio of services delivered on our world-class Telstra Next IP® network and Next G® network. To ensure reliable performance, they're monitored and maintained from our dedicated centres using advanced management and operational systems. And they're backed by Telstra Enterprise-grade Customer Service® and one of Australia's largest and most qualified field and technical workforce.

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