



Solution Brief

Recovery Readiness for NetApp SnapMirror

Key Benefits

- Automate every aspect of storage disaster testing, management and reporting
- Orchestrate VMs failover in live scenario
- Identify problems to recover with the *Recovery Readiness Platform*, prior to a disaster
- Fix recovery problems in real time at the time of an actual disaster

The EnsureDR Recovery Readiness Platform™ works with NetApp SnapMirror, enabling recovery testing **de-facto**. It turns on the DR data center; and tests the availability of: servers, applications, databases, resources, web portals and connects the DR environment to an isolated network. EnsureDR uses Flex Clone to keep the replication running while testing the DR.

EnsureDR is a pioneering Recovery Simulation software platform

Current disaster recovery solutions are based on replication of the company's data to a secondary site. However, businesses who have tried to recover from a real disaster have faced a 20%-30% recovery failure rate (servers are unable to turn on, the database is inconsistent, applications don't run etc.).

Unlike the production site which is active, the recovery site is "turned off" during the year, not maintained and is not updated. This incompatibility between sites poses a huge risk when the business switches to the recovery site. No business has the option to maintain and update the recovery site infrastructure all year round to ensure it is identical to the production site.

Disaster recovery orchestration with EnsureDR

EnsureDR enables NetApp® SnapMirror® users to fully orchestrate a disaster recovery scenario in case of a live disaster or manual test. The orchestration will failover the replicated volume. It will register the VMs at the target DR site, connect them to the production network, power them on, and test them to ensure they're operational.

With NetApp SnapMirror EnsureDR identifies and fixes problems prior to a disaster situation by **operating** the secondary sites automatically, on a weekly basis – so if a disaster does occur, NetApp users will still be able to function properly. EnsureDR's management tools include a [reporting engine](#) and online User Interface [Dashboard](#).

Without periodic testing, the effectiveness of the disaster recovery plan erodes with time. Storage and server environmental changes occur together with organizational changes, new services are introduced and new policies and procedures are developed. The EnsureDR Recovery Ready Platform automates the "testing & exercising phase", which is the most important stage of business continuity planning and disaster recovery.

EnsureDR adds an enhanced level of Resiliency to the Disaster Recovery plan as "disaster practice makes recovery perfect". The first concern businesses have is the time the business will be shut down in the event of a real disaster. EnsureDR's sophisticated troubleshooting engine will fix errors automatically and produce detailed logs so any IT member can find the specific problem that needs urgent attention in the shortest possible time; allow viewing of past problems and their remediation with no need for costly investigation and time wasted. The test assures that data is: Consistent and Correct; Restorable; Accessible and Intact.

<https://www.netapp.com/partners/partner-connect/ensuredr/>

Problem	Solution
In the event of a disaster, the business will try to continue working from the secondary site and will face problems	With NetApp SnapMirror EnsureDR identifies and fixes problems prior to a disaster situation by operating the secondary sites automatically, on a weekly basis – so if a disaster does occur, NetApp users will still be able to function properly.
Failing over VMs is complicated	EnsureDR enables NetApp® SnapMirror® users to fully orchestrate a disaster recovery scenario in case of a live disaster or manual test
Lack of visibility and reporting	EnsureDR's Recovery Readiness Platform includes a <u>Reporting Engine</u> and a User Interface <u>Dashboard</u> .
Manual processes that result in inefficient operations	EnsureDR Recovery Ready Platform automates the “testing & exercising” phase, which is the most important stage of business continuity planning and disaster recovery.

