

MODERNIZEDR

Recover from disasters within minutes and ensure business continuity at up to 80% lower cost

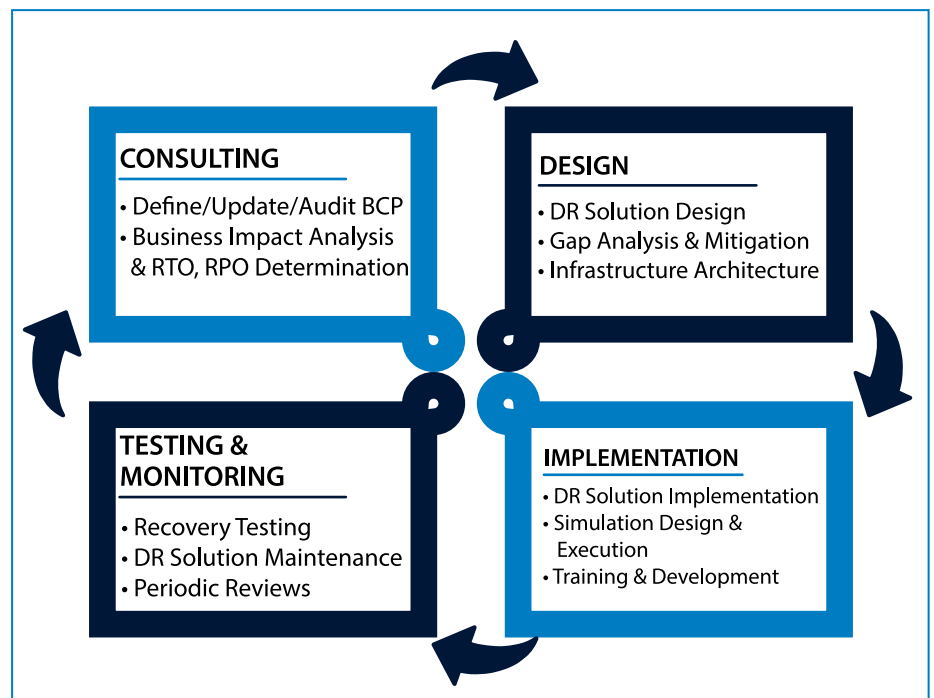
Increasing reliance on technology and the growing frequency of disasters (hurricanes like Harvey, wildfires, malware like Petya) have increased the risk of disruption and downtime. At \$5600 per minute¹, the cost of downtime can be staggering for public sector organizations.

It's more important than ever that agencies keep their Business Continuity Plans (BCP) updated and set up a responsive Disaster Recovery (DR) solution that can recover operations within minutes. However, doing this can be extremely costly, as much as US \$11 Mn or more, with existing approaches like remote DR sites.

Set up a responsive BC/ DR solution at up to 80% lower cost

ModernizeDR offers a cloud-based DR solution and a suite of BC/DR services that can help public sector organizations implement a secure, reliable and highly responsive DR setup with a recovery time in minutes rather than days, and at a cost that is up to 80% less than traditional approaches.

ModernizeDR's software (tools) + people (experts, best-practices, CoE) approach helps organizations maintain updated BC/DR plans, customized to their specific business and IT portfolio with less effort and at a much lower cost.



SOLUTIONS & ACCELERATORS



Business Impact Analysis Framework

DR TCO Calculation Tool



DR Reference Architecture



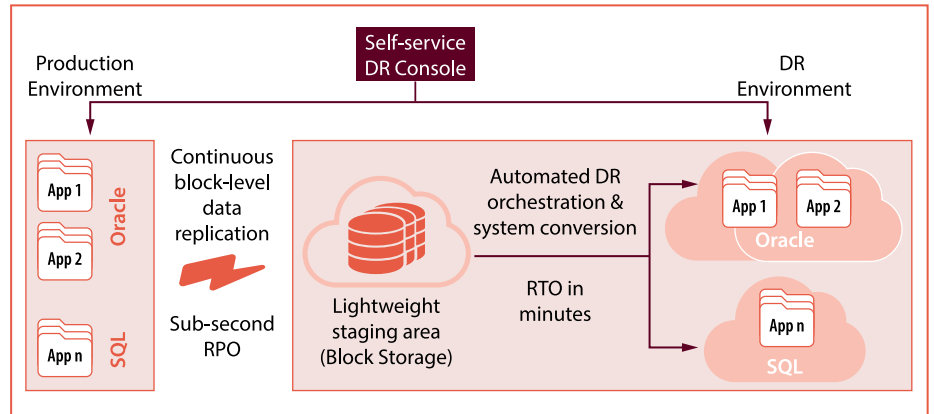
Cloud-based DR Solution

¹ <https://blogs.gartner.com/andrew-lerner/2014/07/16/the-cost-of-downtime>

ModernizeDR's cloud-based DR solution uses continuous replication (block-level), automated machine conversion, and strong encryption algorithms to set up a highly secure enterprise-grade DR with Recovery Point Objective (RPO) in seconds, Recovery Time Objective (RTO) in minutes, and automated, one-click failover and failback.

Key features of the solution

- Support for GovCloud, private or public cloud
- Continuous block-level data replication (replication at OS level of only the changes) to minimize data transmission cost, performance impact, RPO and RTO
- Enterprise-grade security for data in transit (AES 256bit) and/or through VPN & support for all data encryption models for data-at-rest
- Low cost cloud-based staging area for replicated data to eliminate the need for duplicate provisioning of resources
- Automated orchestration of target environment within minutes in case of a disaster
- Automated machine conversion from any source (physical, virtual, hybrid) to any target environment



- Self-service DR console to manage all tasks (migration, monitoring, testing, failover, failback) in a few clicks

Benefits

- **Recovery point objective (RPO) in seconds and recovery time objective (RTO) in minutes** – Keep applications always on. Recover entire setup from a disaster within minutes and ensure access to the most recent data.
- **Up to 80% reduction in TCO with improved security and responsiveness** – Reduce the cost of infrastructure by moving to the Cloud. Additionally, since the data is replicated in a low-cost staging area, you don't need to provision duplicate hardware and software licenses all the time. You can only provision the same during a disaster or a drill to minimize cost.

- **Application and platform agnostic** – With our automatic machine conversion technology, you can migrate any workload from any physical, virtual, cloud-based and hybrid systems to the cloud environment of your choice.
- **Non-disruptive and cost-effective disaster recovery drills/testing** – With a self-service DR portal, you can execute periodic DR drills at click of a button and without disrupting any of your source systems.

Case Study

One of our clients had to replicate entire data center to a geographically distant location. Their existing solution failed to perform resulting in increased operational cost and business risk. Infosys and CloudEndure partnered to implement a cloud-based DR solution which migrated the data in real-time without any impact on performance and helped the client realize significant savings in operational costs. **Not only was the client able to reduce cost, but also achieved cutover time of near-zero as opposed to the 24 hour recovery offered by the old solution.**

Support for all applications, databases and cloud platforms

Applications & Databases

My SQL | Oracle | Microsoft | SAP | KVM | openSUSE | MongoDB | Xen Project | RedHat | Debian | Ubuntu | CentOS

Cloud Platforms

Google Cloud Platform | Amazon Web Services | Microsoft Azure | Oracle Cloud | OpenStack Cloud Software | VMware

²<https://aws.amazon.com/s3/pricing/>

For more information, contact askus@infosyspublicservices.com

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