kyndryl

Hybrid Platform Recovery with DRaaS

Mitigate business continuity risks
in your hybrid multicloud journey

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Are you protected against unplanned outages?

The expansion of hybrid cloud adoption brings many business benefits, not the least of which includes superior customer experience (CX) and better business outcomes.

However, there's another side to the hybrid cloud coin: Organizations on the journey to cloud are dealing with considerable complexity and risk. Those issues prove particularly problematic in the face of unplanned outages—a reality that nearly all organizations must battle.

Resiliency has emerged as a critical business value enabler to assist clients in the evolution of their IT strategy. Everything from increased productivity and improved CX to identifying lost business opportunities and ensuring compliance is in play.

Of course, relying on traditional practices alone won't help meet today's recovery expectations of continuous business availability. Here's why:

- Business impact of outages in a hybrid multicloud world can be very high.
- Protection and recovery of assets and production workloads caused by cyberattacks is insufficient.
- Multiple clouds and vendors are a challenge to manage.
- There is a need to protect enterprise and customer data while adhering to evolving regulations, but a lack of clarity in a shared responsibility model also exists.
- Diverse and unique workloads needs require choice in deployment models.
- Rapidly responding to disruptions, recovering and resuming operations within SLAs (RPO and RTO) and containing the business impacts of outages are top priorities.
- Rising costs of data and application protection and business continuity are at odds with shrinking budgets.

Traditional practices won't help meet today's recovery expectations of continuous business availability.

Mitigate risks with Kyndryl Resiliency Services solutions

Kyndryl™ offers a set of comprehensive solutions to address the day-to-day recovery challenges associated with ensuring the availability of critical workloads in hybrid cloud environments. Specifically, the Kyndryl Resiliency Services portfolio of disaster recovery (DR) solutions cover a deep selection of disciplines, including:

- Business continuity consulting services
- Data center services
- Cyber resilience services
- IT infrastructure recovery services

Together, these solutions cover all aspects of recognized IT risk—conflicting process and governance structures, cyber risk such as threat and vulnerability management, and anomaly detection. The solutions also help assess clients' recent pandemic preparedness based on end user performance, data storage and data access risks.

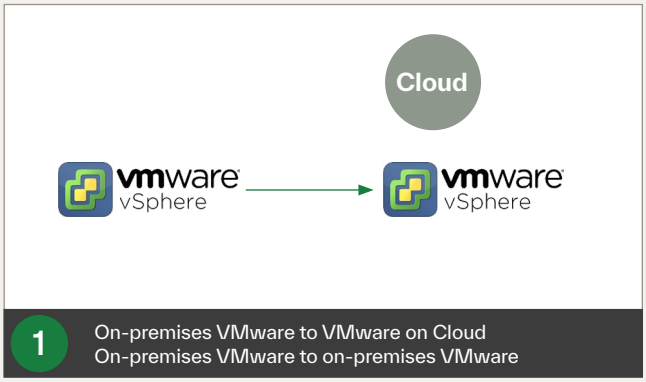
Additionally, the portfolio offers fully managed Hybrid Platform Recovery with DRaaS. Hybrid Platform Recovery with DRaaS is a software-defined, highly secure, Kyndryl-managed IT infrastructure service.

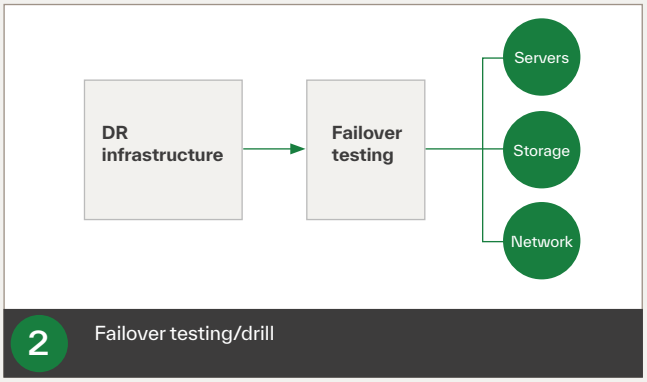
Key features

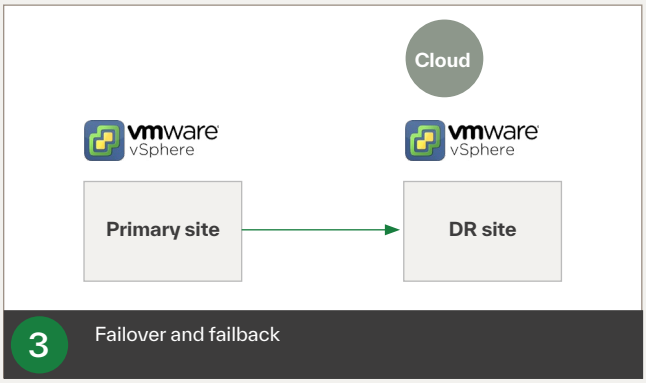
On-demand recovery cloud for planned exercises and declarations

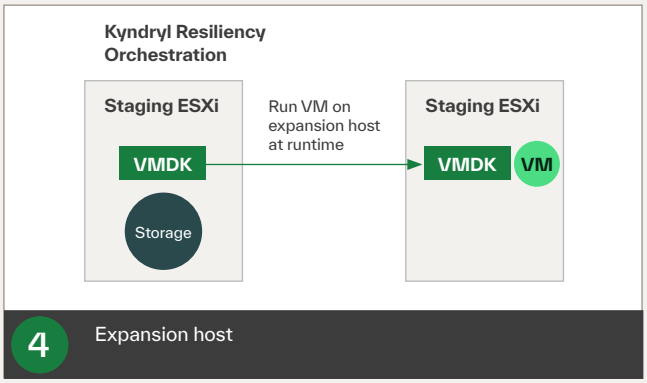
Server image and production data replication to the cloud

Automated failover and fall back between on-premises, hybrid and public clouds









Kyndryl Resiliency Orchestration for faster, cost-efficient recovery
Kyndryl Resiliency Orchestration has an in-built continuous block-level replication capability

Hybrid Platform Recovery with DRaaS as a differentiator

Powered by enterprise-class automation and orchestration, Hybrid Platform Recovery with DRaaS protects enterprise applications running in hybrid environments. It provides continuous data protection for hypervisor-based, host and agent-based databases as well as storage replication, making it ideal for organizations with high expectations for rapid recovery in hybrid IT, multi-platform and multicloud environment.

Fully managed Hybrid Platform Recovery with DRaaS contracts include one exercise per year by default, with the flexibility to purchase more as needed. Another option is to add on Kyndryl Resiliency Orchestration, which assists in the coordination of recovery across physical and virtual environments.

IBM's Orchestrated Cyber Recovery as a Service capability
IBM's solution for Cyber Incident Recovery enables quick recovery in the event of a cyber incident. With features like air-gapped protection, immutable storage, and anomaly detection, it is a purpose-built platform for cyber recovery. It helps clients mitigate cyber risks and avoid the high cost of a data breach. The solution is orchestrated using IBM's Resiliency Orchestration software that also includes a new anomaly detection capability that uses rule-based heuristic identification augmented by artificial intelligence (AI).

Key capabilities of Hybrid Platform Recovery with DRaaS

- **Multi-deployment model** that supports DR for on-premises, hybrid and multicloud deployments
- **Intelligent orchestration and automation** to dramatically improve recovery speed with support of business process, application, systems and database-level failover and recoveries, as well as workflows to automate complex processes
- **Mitigate the impact** of cyber disruption with an orchestrated resilience approach that helps identify risks, protect applications and data, and rapidly recover IT
- **Fully managed and leverages industry leading data movers** and replication software personnel are leading the design and build
- **Comprehensive coverage** that provides DR for physical, virtual and cloud-based workloads (x86, IBM System p®, System i® and System Z®) as well as multiple hypervisors and operating systems including Windows, Linux, AIX®, and others)
- **Data protection and quick recovery**, recovery time objective (seconds to minutes) and recovery point objective (near-zero)

Hybrid Platform Recovery with DRaaS enables simplified, rapid and reliable recovery of business-critical applications and data for hybrid cloud environments.

The business benefits of Hybrid Platform Recovery with DRaaS

Hybrid Platform Recovery with DRaaS differentiates itself from competing solutions with its support of heterogeneous environments. Kyndryl microservices ensure greater flexibility for clients who want to avoid changing their existing infrastructure—and enables Kyndryl to automate and provide the protection required.

Another area of differentiation is that, compared to competitors, Kyndryl provides an end-to-end solution that supports:

- Client requirements for a predictable recovery outcome
- Increased levels of application and IT availability
- Continuity of service across hybrid multicloud environments

Be it public or private cloud, co-location or traditional client-owned on-premise environments, the benefits of Hybrid Platform Recovery with DRaaS are consistent:

Speed: DR automation that can reduce testing and recovery time from days or hours down to minutes—resulting in faster recovery time objectives (RTO) and recovery point objectives (RPO).

Scale: A single management console to provision, monitor, validate, test and report, scale across multiple data centers, and support heterogeneous environments.

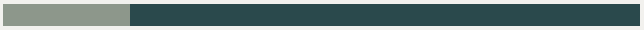
Simplicity: An application-aware approach reduces the need for extensive expertise and makes it easier to deploy and manage multi-tier recovery.

High value: Offers recovery for enterprise applications that span multiple technologies, helping to meet audit and compliance management requirements.

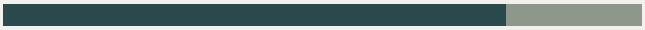
Reliability: Backed by automation and Kyndryl Resiliency for 24×7 service and support.

Hybrid Platform Recovery with DRaaS by the numbers[1]

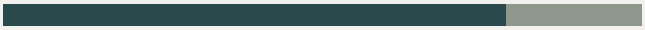
507% three-year ROI



80% lower cost of business risk, lost productivity and revenue



80% less unplanned downtime



43% improvement in RPO

24% more efficient business continuity teams

Why Kyndryl?

Kyndryl has deep expertise in designing, running and managing the most modern, efficient and reliable technology infrastructure that the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in our business, and working side-by-side with our customers to unlock potential.

Kyndryl DRaaS advantage

- Expertise across the resiliency lifecycle
- Automated recovery of physical, virtual and cloud workloads
- RPO and RTO of near-zero, seconds, or as required by your business
- 800+ predefined patterns for faster, efficient implementation and scalability
- IBM Cloud® and Red Hat® for enterprise scalability

Trusted

- Over 9,000 customers are protected with Kyndryl disaster recovery and data management services
- Kyndryl has more than 3.5 exabytes backed up annually and under management

A global reach

- There are more than 300 Kyndryl Resiliency Centers in more than 50 countries around the world
- Kyndryl dedicates over 6,000 professionals worldwide to resiliency

Take the next step

To learn more about Kyndryl Hybrid Platform Recovery with Disaster Recovery as a Service, please contact your Kyndryl representative or visit us at kyndryl.com

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1. The Business Value of IBM’s DRaaS and Resilience Orchestration Services, IDC, March 2020