

# Hybrid Multi-Cloud Replication for Disaster Recovery

## Recover Instantly. Anywhere.

Rubrik provides asynchronous, deduplicated replication for physical and virtualized environments to orchestrate data across data centers and clouds. Use one policy engine to setup backup, replication, and archival schedules on-site or in the cloud. Accumulate more recovery points for all your applications. Instantly recover anywhere at no additional licensing cost. Achieve near-zero RTOs from any VM or SQL replica without rehydration or additional storage provisioning. Deliver point-in-time recoveries for intelligent log management. Replicate in a multi-cloud environment with cloud-to-cloud, cloud to on-prem, and on-prem to cloud replication.



### INSTANT RECOVERY

Recover instantly from any VM or SQL replica without rehydrating data to another endpoint.



### POLICY AUTOMATION

Define backup and replication policies for your physical and virtualized applications, all in one policy engine.



### INCREASED SAVINGS

Save on network costs with global deduplication that scales out to the full fabric.

### REPLICATE

- **Backup-based Replication:** Deliver efficient data operations with WAN-optimized replication that does not impact production workloads.
- **Scale-out Deduplication:** Maximize storage efficiency with global deduplication across one infinitely scalable cluster.
- **Deployment Flexibility:** Configure a multi-way or bi-directional replication topology.
- **Replication for Multi-Clouds:** Deliver replication within a multi-cloud environment (heterogeneous cloud providers or different regions under same cloud provider). Bi-directional replication also available from cloud to an on-premises Rubrik cluster.
- **End-to-End Encryption:** Data is secured with certified hardware or with software-based encryption from the source to target location whether at-rest or in-transit. Secure data whether at-rest or in-transit, on-premises or in the cloud.

### MANAGE

- **Policy-Driven Automation:** Click to assign SLA policies to your VMs, applications, and databases. Just select desired snapshot capture frequency, retention duration, and desired location.
- **Unified Console:** Manage all your data through a HTML5-based and responsive interface.

- **Compliance Reporting and Alerts:** Monitor replication task status, track replication policy compliance, and receive proactive notifications for errors and warnings.
- **Instant Non-Disruptive Testing:** Mount VM or SQL replicas directly on Rubrik for recovery tests without impacting on-going replication or production.

### RECOVER

- **Global Real-Time Search:** Instantly search for files across all snapshots with suggested search results as you type.
- **Instant Off-Site Recovery:** Instantly recover VMs and SQL databases by mounting files directly on Rubrik. Recover instantly from any replica without data restoration to another endpoint.
- **Point-in-Time Recovery for SQL:** Recover the relevant point-in-time snapshot and apply transaction logs to restore back to the desired point for SQL databases.
- **Object-Level Recovery:** Deliver object-level restores for Microsoft environments (such as MS SQL tables, mailbox and emails for MS Exchange, and MS Sharepoint objects and sites) without a database rollback or restore.
- **Disaster Recovery to the Cloud:** Instantiate your on-premises applications in the cloud for cost-effective disaster recovery.

## INSTANT APPLICATION MANAGEMENT. ANY PLATFORM. ANYWHERE.



VMware vSphere, Nutanix AHV, and Microsoft Hyper-V: Manage virtualized environments on your hypervisor of choice with a policy-based SLA engine. Instantly recover VMs by mounting directly onto Rubrik.



Physical Microsoft SQL Servers: Deliver near-zero RTOs by mounting any SQL replica directly on Rubrik. Deliver app-consistent, incremental forever, and point-in-time recovery with intelligent log management.



Oracle, Linux, Windows, and NAS: Easily manage Oracle, Linux, Windows, and NAS with policy-driven, incremental forever data management. Instantly access file versions across clouds with global predictive search.




Remote and Branch Offices: Extend backup and recovery to the edge with Rubrik Edge, a software appliance. Provide complete data protection to remote and branch offices with management simplicity.



Rubrik Software in the Cloud: Manage cloud-native and hybrid applications in the cloud. Power on apps in the cloud for cost-effective DR and test/dev.

"We're using Rubrik to bring our replication times much closer to reality."

 Misha Vyazmensky, CTO,  
ExponentHR

"We have confidence in restoring quickly, in the replication process, and in deduplication operating efficiently."



Todd Shutts, Senior Vice President,  
Balance Innovations

## ENVIRONMENT SUPPORT

### Managed Environments

- **Virtualization:** VMware vSphere 5.1, 5.5, 6.0, 6.5 (VMs can run all operating systems and applications supported by VMware), Microsoft Hyper-V 2008R2+ (via connectors), 2016+ (native support using WMI and RCT), Nutanix AHV 5.1+
- **Storage Protocols:** NFS, iSCSI, and internal/external local storage devices supported by AHV, ESXi, and Hyper-V
- **Network Attached Storage (NAS):** SMB and NFS supported
- **Pure Storage:** All Purity FlashArray OE running 4.0 or higher

### OS & Applications

- Physical/Virtualized Linux RHEL 5/6/7, CentOS 5/6/7, Oracle Linux 5/6/7, and SUSE 11 SP4
- Physical/Virtualized Windows 2008 R2, Windows 2012 and 2012 R2, Windows 2016
- Physical/Virtualized Microsoft SQL Server 2008/2008 R2/2012/2014/2016 running on Windows 2008 R2/2012/2016

- Oracle Database 12c R1 (12.1.0), 11g R2 (11.2.0), and 10g R2 - ASM & RAC Supported
- Application-aware backup and recovery is available through Microsoft VSS integration for Microsoft Windows 2012/2008 R2, Microsoft Exchange Server 2010/2013, Microsoft SharePoint 2013, Microsoft SQL Server 2008/2008 R2/2012/2014, Microsoft Active Directory in Windows Server 2012/2008 R2

### Archival Locations

- **Public Cloud:** Amazon S3/S3-IA/S3-RRS, Microsoft Azure Blob Storage (LRS, ZRS, GRS) - Including Government Cloud Options as well as Cold & Hot
- **Private Cloud (S3 Object Store):** Basho Riak, Cleversafe, Cloudian, EMC ECS, Hitachi Content Platform, IJ GIO, Red Hat Ceph, Scalality
- **NFS:** Any NFS v3 Compliant Target
- **Tape:** All Major Tape Vendors

## DON'T BACKUP. GO FORWARD.

Want to see more? Contact [inquiries@rubrik.com](mailto:inquiries@rubrik.com) for a 15-minute demo. Visit [www.rubrik.com](http://www.rubrik.com) and follow [@rubrikInc](https://twitter.com/rubrikInc) on Twitter.



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Rubrik delivers instant application availability to hybrid cloud enterprises for recovery, search, cloud, and development. By using the market-leading Cloud Data Management platform to provide instant access with self-service, customers mobilize applications, automate protection policies, recover from Ransomware, search and analyze application data at scale on one platform. From days to seconds.

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