

# Data Archival with Google Cloud

## Access Instantly. Save More.

Rubrik Cloud Data Management helps organizations unlock cost-effective and scalable data archival across hybrid cloud environments. With support for Google Cloud Storage, Rubrik can provide archival flexibility for a variety of applications and surface areas, enabling customers to drastically reduce the cost of long-term data retention. Rubrik's incremental snapshots further reduce the cost of cloud adoption and storage.

With Rubrik and Google Cloud, you can automate data lifecycle management to take full advantage of Nearline and Coldline. And Rubrik offers a global index that catalogues all data, including data stored in Google Cloud. This makes it simpler to rapidly retrieve and recover from archived data.



### EASY TO SETUP

Set data archival policies with just one click. We'll handle the rest.



### INSTANT ACCESS

Access archived data instantly with global search.



### LOWER TCO

Archive to low-cost Google Cloud storage solutions.

## MANAGE

- **Unified Console:** Manage your data through a HTML5-based and responsive interface. Gain visibility into protected and unprotected VMs, physical databases and applications, snapshots, SLA policies, storage usage, ingest throughput, and more.
- **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.
- **Cloud Data Archival:** Archive your data to Google Cloud Storage services. Ensure instant accessibility of archived data with Rubrik's real-time predictive search.
- **Public Cloud Security:** Secure data in-transit and at-rest. Rubrik encrypts all data that is archived before it leaves the Rubrik appliance. Rubrik leverages client-side encryption libraries provided by both AWS Java SDK and Azure Java SDK.
- **Compliance and Capacity Reporting:** Track SLA compliance and system capacity utilization and growth.

## SAVE

- **Deduplication:** Reduce transfer and storage costs by sending deduplicated data for archival on-site, off-site, or in the cloud.
- **Granular Transfer Out:** Pinpoint specific files to export or archive with our search functionality, saving time and money.

## ACCESS

- **Global Real-time Search:** Instantly search for files across all snapshots stored on-premises or in the cloud with predictive search that delivers suggested search results as you type.
- **Granular Recovery:** Recover your archived data at a snapshot or file-level. If your local data is destroyed, Rubrik will reconstruct it from your archived data.

## CHOOSE YOUR ARCHITECTURE AND STORAGE SOLUTION



**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.



**Microsoft SQL Server:** Deliver near-zero RTOs by mounting any SQL replica directly on Rubrik. Deliver incremental forever and point-in-time recovery for your SQL databases with intelligent log management.



**Oracle, Linux, Windows, UNIX, and NAS:** Easily manage your physical workloads with policy-driven management. Unlock operational simplicity with automatic updates across all connectors on physical databases, servers, and hosts.



**Remote and Branch Offices:** Extend backup and recovery to remote offices with Rubrik Edge, a software appliance. Backup locally, replicate to a central data center, and archive to the cloud with an easy interface at your edge locations.



**Archive to Google Cloud Storage:** Migrate data from virtual, physical, and edge applications to Google Cloud. Tier older archival data to different storage classes, including Nearline and Coldline, saving on TCO.

“Rubrik’s seamless integration with GCP will help us reduce our on-premises workloads, decrease overhead, and spend more time on strategic initiatives.”



**Jorge Barrera**  
Director of Technology Operations  
and Infrastructure  
High 5 Games

“Together, Rubrik and GCP provide an onramp to the cloud that will help us reduce overhead and focus on innovation. Both companies are fast-moving market disruptors and can help each other stay cutting-edge. We chose Rubrik because the solution was fundamental to our cloud strategy.”



**Oleg Simonov**  
Head of Technology  
High 5 Games

## 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.

## 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, 5.5, 5.6, vCloud Director
- **Storage Protocols:** NFS, iSCSI, and internal/external local storage devices supported by AHV, ESXi, and Hyper-V
- **Cloud Instances:** AWS Elastic Cloud Compute (EC2) instances
- **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, Debian Linux 8+, SUSE 11/12, and Ubuntu 14.04/16.04
- 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 R2/2012/2012 R2/2016

- Physical/Virtualized IBM AIX 7.1, 7.2
- Physical/Virtualized Oracle Solaris 11.1, 11.2
- 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:** Google Cloud Platform Nearline, Coldline, Multi-Regional and Regional; Amazon Web Services S3, S3-IA, S3-RRS and Glacier; Microsoft Azure Blob Storage LRS, ZRS and GRS; includes support for Government Cloud Options in AWS and Azure
- **Private Cloud (S3 Object Store):** Basho Riak, Cleversafe, Cloudian, EMC ECS, Hitachi Content Platform, IJ GIO, Red Hat Ceph, Scality
- **NFS:** Any NFS v3 Compliant Target
- **Tape:** All Major Tape Vendors



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Rubrik delivers a single platform to manage and protect data in the cloud, at the edge, and on-premises. Enterprises choose Rubrik’s Cloud Data Management software to simplify backup and recovery, accelerate cloud adoption, and enable automation at scale. Rubrik’s run-anywhere, scale-out architecture is built to empower IT departments today and in the future, reducing total cost of ownership while enabling infrastructure flexibility for a multi-cloud world. For more information, visit [www.rubrik.com](http://www.rubrik.com) and follow [@rubrikInc](https://twitter.com/rubrikInc) on Twitter.

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