HYCU® Google Cloud

HYCU R-Cloud™ for Google Cloud

The most comprehensive data protection solution for Google Cloud infrastructure and services

SOLUTION BRIEF

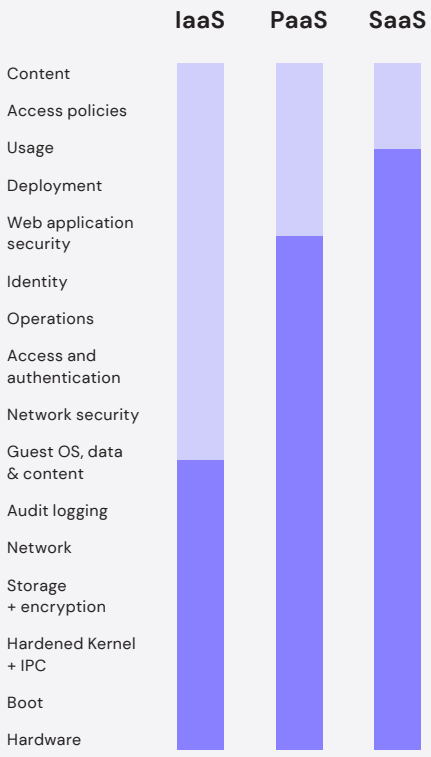
Data protection is your responsibility

Google Cloud follows the Shared Responsibility Model. In plain terms, Google bears responsibility to protect and maintain platform availability and you are responsible for protecting and recovering your data.

Why do I need to worry about data loss in the cloud?

Just like your workloads on-premises, your Google instances and services are subject to human error and threats. Ever changing cloud landscape also puts the onus on you to keep up with the right configurations to not expose your data to cyberattacks. Reliance on centralized IAMs may also lead to losing access to your data when you need them most. Customers of all sizes face:

- Accidental deletions
- Misconfigurations
- Insider threats
- Data Corruption
- Supply Chain Incidents

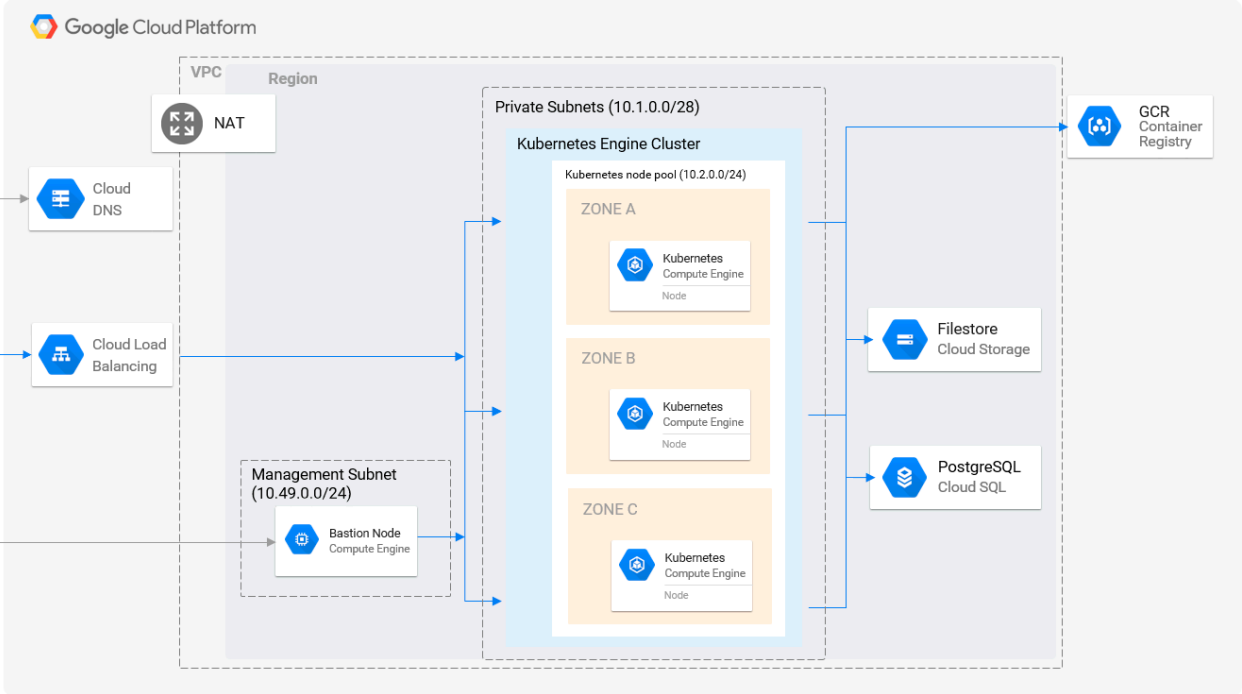


You can learn more about your shared responsibility in Google here

Ensure you are protecting your entire application

Dozens of services work together to power your applications, each with critical configuration. This requires an application-centric data protection instead of just VM backups. When choosing a backup strategy, ensure you are protecting:

- Compute services
- Serverless
- Databases
- Storage buckets
- Critical configurations



Decision Point: Native tooling or a data protection platform

Google provides some native backup capabilities made up of snapshots, recycle bins, and APIs across select services. These solutions are often disparate and lack operational consistency for centralized management. These capabilities are also limited to VMs and Databases hosted on Google Cloud and doesn't extend to on-premises or multi-cloud environments. If your organization requires any of the following, it is critical to evaluate third party backup options to meet your data protection needs:

- Granular recovery of data – from files and tables to Docker images
- Rapid mobility – cross-regional recovery, cloning, and data movement
- Centralized backup management of Google services and external applications
- Application-centric protection and recovery
- Hybrid cloud or multi-cloud protection and mobility

HYCU R-Cloud™
Data Protection as a Service for Google Cloud

HYCU is the industry-leader in multi-cloud and SaaS data protection. Purpose-built for Google Cloud, HYCU R-Cloud™ offers enterprise-class data protection for your applications running in Google Cloud.

The Most Comprehensive Coverage of Your Google Data Estate

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Critical Google Cloud applications and services

- Google Compute Engine (GCE)
- Google Kubernetes Engine (GKE)
- Google Cloud Storage (GCS)
- Google CloudSQL
- Google AlloyDB
- Google BigQuery
- Google Bigtable
- Google Cloud Run
- Google Artifact Registry
- Google Cloud Functions
- Google Firestore
- Google Cloud VMware Engine (GCVE)
- SAP Hana on Google Cloud
- Google Workspace

SaaS applications used to build, deploy, and run your Google Apps

Microsoft Entra ID | okta | GitHub | GitLab | Bitbucket

Terraform | Jira | Jira Product Discovery | monday | Trello

Confluence | miro | Notion

And many more applications!

Our Strengths

Google Cloud TECHNOLOGY Partner of the Year Infrastructure — Backup/DR 2024

Google Cloud

Industry leading data protection for Google Cloud

Gartner

Recognized as a Visionary in the Gartner Magic Quadrant for Enterprise Backup and Recovery

GIGAOM

Leader in the GigaOM Cloud Native Data Protection Report

G2

Leading in SaaS Backup, File Recovery, DRaaS, Server Backup, and Database Backup

HYCU R-Cloud™

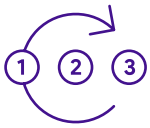
See, manage, and protect your application lifecycle in Google Cloud

Backup & Recovery

Cloud-native, application-consistent backup and flexible recovery. HYCU delivers this via 1-click simplicity, tight platform integration and awareness, with built-in compliance for Google Cloud workloads.

Operational Recovery and Granular Restore

Avoid costly, lengthy bulk recovery and restore specific items across protected services. Restore individual files from an instance of S3 bucket, compute engines, database tables, Docker Images, and more.

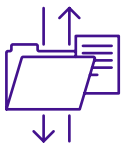


Disaster Recovery

Seamless failover to Google Cloud and cross-regional recover in Google Cloud without the need for high-cost compute and storage. Rapidly failover workloads in one click without the need of additional backup infrastructure.

Ransomware & Supply Chain Protection

Always keep control and access of your backups by following the 3-2-1 rule with logically separated copies of your protected services in Google Cloud Storage or in another public cloud. HYCU offers a managed backup service, without the risk of offloading control of your backups to another vendor.



Data Mobility

Easily lift and shift production workloads in an application-consistent manner from on-premises to Google Cloud, from a different public cloud to Google Cloud, or within Google Cloud regions and projects. HYCU enables migrations effortlessly using both built-in self-service, on-demand and staged capabilities.

Protect Your Entire Data Estate

Your Google applications rely on third-party services to build and run apps, applications like GitHub, Terraform, Jira and CircleCI are as critical to protect. A stateless infrastructure still contains state in your IaC and Git repositories. HYCU R-Cloud offers protection of more than 80 cloud services and SaaS applications from one single view.

What's different about HYCU

Total Coverage – Unified Protection

- **Protect more Google Cloud services** than any other backup provider or native tooling.
- **Use Google Cloud Storage** to store critical backups across DevOps, ITSM, Enterprise IT, and Departmental SaaS.
- **Unify backups, disaster recovery, and dev/test activities** with recovery and cloning across multiple regions.

Save Time, Cost, and Resources

- **One-click operations** to automate backups, migrate, and recover data.
- **Increase cost savings with optimal cloud utilization** with HYCU's native Google Cloud design, certified with auto-discovery of any current and future regions and zones.
- **Cost-efficient disaster recovery** with seamless failovers, eliminating the cost of compute and high-performance storage.

Complete Data Residency & Backup Control

- **Meet data residency and governance requirements** by running HYCU and storing data according to geographic requirements.
- **Keep control of backups** in your Google Cloud Storage (GCS) accounts or another organization.
- **Compatible with NIS2 and DORA** requirements for backup policies, offsite copies, and resilience testing.

Cloud-First, Application Centric Architecture

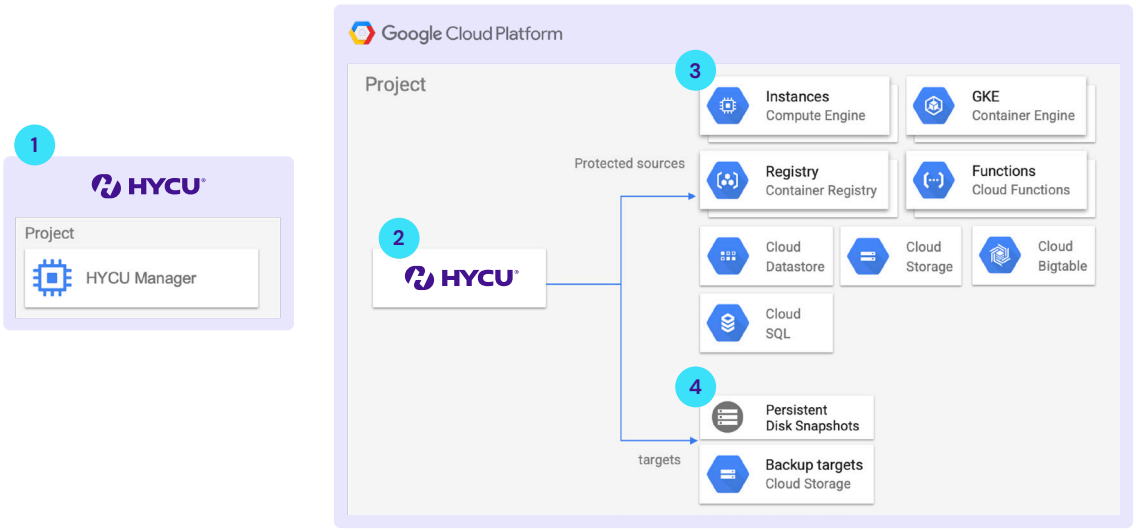
- **Easy to protect** customized applications with HYCU's detailed per-post application framework for application and data-consistent backups.
- **No sizing or agents needed, HYCU works natively with Google APIs.**

Data Mobility

- **1-click** customized applications with HYCU's detailed per-post application framework for application and data-consistent backups.
- **Express ticket to Google Cloud** with HYCU's one-click, agentless migration of on-premises workloads to Google Cloud
- **Accelerate Dev/Test environments** with HYCU's ability to easily clone VMs, disks, Containers and Apps across multiple projects.

How it works

Below is architectural diagram of HYCU R-Cloud protecting native services running on Google Cloud. Diagrams are available for virtual applications on-premises using Google Cloud for backup storage and disaster recovery and the protection of SAP HANA.



1

You can subscribe to HYCU directly or via the Google Marketplace. HYCU leverages dynamic data movers running in your compute and region to meet residency requirements for data processing and storage.

2

Once connected to your Google environment, HYCU auto-discovers all sources.

3

You can assign backup policies where you define backup frequency and data retention periods for each protected source.

4

Define your storage target, in or out of Google Cloud, and assign a backup policy.

What your organization does

- Create an R-Cloud account and connect to your Google Cloud environment
- Choose a storage target
- Assign default backup or create your own backup policies in a few clicks
- Access HYCU and restore data in one click

What HYCU does

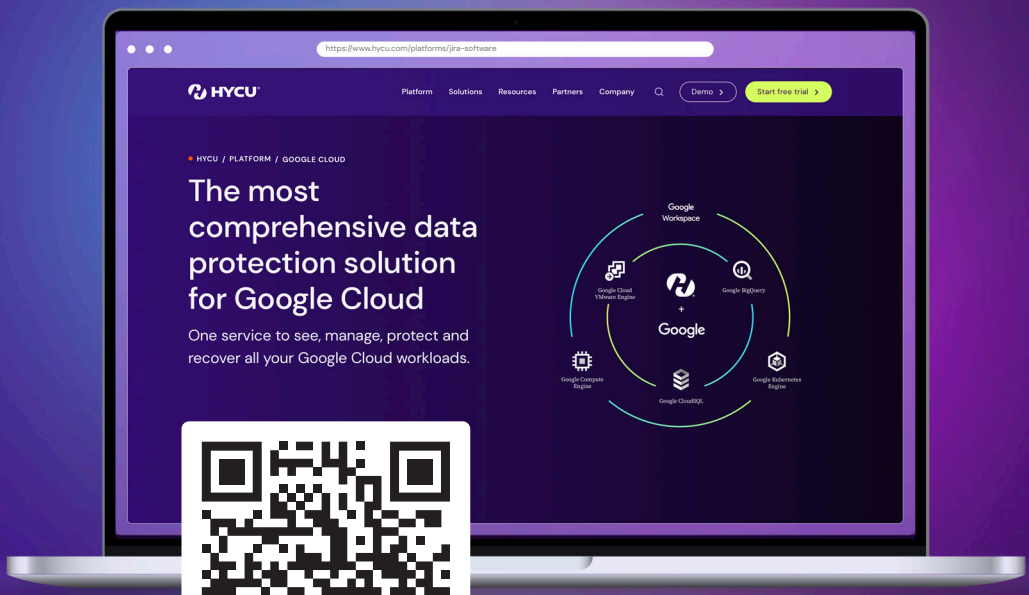
- Automate all backup operations
- Orchestrate storage targets and ensure copies are kept offsite
- Continuously monitor for protection status
- Provide notifications and reporting

HYCU R-Cloud is meant to automate all data protection activities and only be used when data recovery is needed.

Restore Options

Google Service	Recovery Operations Supported
Google Compute Engine	Customers can restore instance to an original location, clone or move instances. Instance and files can also be restored to an instance or to a bucket.
Google Kubernetes Engine	Restore a whole application or specific storage and/or resource objects.
Google Cloud Storage Bucket	Restore files to the original or new bucket.
Google BigQuery	Restore datasheets and tables back to the original location.
Google Cloud SQL	Restore instances or databases to the original or new location.
Google Firestore	Restore collections, namespaces, and databases to the original or a new location.
Google BigTable	Customers can restore to a new instance, override an instance, and restore a specific table.
Google AlloyDB	Restore clusters to the original location.
Google Artifact Registry	Restore to repositories and/or Docker Images to the original location.
Google Cloud Functions	Restore functions to the original location. This includes restore of destination project, permissions, and function prefix.
Google Cloud Run	Protect and restore services and jobs to the original location.
SAP Hana on Google Cloud	Restore applications and /or databases to the original location.
Google Cloud VMware Engine	Restore VMs and files running in GCVE.
Google Workspace	Learn about HYCU for Google Workspace and find restore options by clicking here.

Register for a free trial



Get Started