

# Storage Services in GCP - Overview

- The different Storage options available in Google Cloud are as follows.

Storage	
Backup and DR Service	Backup and DR SaaS
Cloud Filestore	Managed NFS server
Cloud Storage	Multi-class multi-region object storage
Local SSD	VM locally attached SSDs
Persistent Disk	Block storage for VMs

CATEGORY	PRODUCTS	GOOD FOR
Object storage	<a href="#">Cloud Storage</a> Object storage for companies. Store any type of data, any amount of data, and retrieve it as often as you'd like.  Ultra low-cost archival storage with online access speeds.	<ul style="list-style-type: none"> <li>Stream videos</li> <li>Image and web asset libraries</li> <li>Data lakes Backups</li> <li>Media archives</li> <li>Long-tail content</li> <li>Meet regulation or compliance requirements</li> </ul>
	<a href="#">Persistent disk</a> Block storage service, fully integrated with Google Cloud products like Compute Engine and GKE.	<ul style="list-style-type: none"> <li>Disks for virtual machines</li> <li>Sharing read-only data across multiple virtual machines</li> <li>Rapid, durable backups of running virtual machines</li> <li>Storage for databases</li> </ul>
Block storage	<a href="#">Local SSD</a> Ephemeral locally attached block storage for virtual machines and containers.	<ul style="list-style-type: none"> <li>Flash-optimized databases</li> <li>Hot caching layer for analytics</li> <li>Application scratch disk</li> </ul>

CATEGORY	PRODUCTS	GOOD FOR
<b>Block storage</b>	<a href="#">Hyperdisk</a>  Next generation of block storage delivering higher scale and best in class price/performance.	<ul style="list-style-type: none"> <li>SAP HANA, Oracle, and SQL server</li> <li>Scale out analytics (e.g. Hadoop and Kafka)</li> <li>Performance-critical applications</li> <li>Cost-sensitive apps</li> </ul>
<b>File storage</b>	<a href="#">Filestore</a>  Fully managed service for file migration and storage. Easily mount file shares on Compute Engine VMs.	<ul style="list-style-type: none"> <li>Data analytics</li> <li>Rendering and media processing</li> <li>Application migrations</li> <li>Web content management</li> </ul>
	<a href="#">Parallelstore</a>  High bandwidth, high IOPS, ultra-low latency, managed parallel file service.	<ul style="list-style-type: none"> <li>AI/ML workload scratch space</li> <li>High performance quantitative analysis</li> <li>Complex modeling and simulation</li> </ul>
<b>Backup and disaster recovery</b>	<a href="#">Google Cloud Backup and DR</a>  Managed backup and disaster recovery (DR) service for centralized, application-consistent data protection.	<ul style="list-style-type: none"> <li>Protect Compute Engine VMs, VMware VMs, databases, and file systems</li> <li>Back up on-premises workloads to Google Cloud</li> </ul>

## Which Storage options to select?

