# Cloud Software: HP Converged Cloud

* HP Public Cloud is a [public cloud](http://en.wikipedia.org/wiki/Public_cloud) service from [Hewlett-Packard](http://en.wikipedia.org/wiki/Hewlett-Packard) (HP).
* HP public cloud built on its cloud infrastructure.
* [OpenStack](http://en.wikipedia.org/wiki/OpenStack) technology provides.
* An open source cloud infrastructure project.
* plans to deliver end-to-end
* converged cloud capabilities
* Manage the cloud deployments across hybrid, private, managed private and public cloud delivery models with HP Public Cloud.
* It offering an open, interoperable, intuitive, and reliable public cloud option.

**Cloud solutions:**

* **Archival as a Service**: The automated movement and retention of unstructured information in the cloud to improve performance, scale, and manageability of applications. Data archiving is often confused with data backups, which are copies of active data which is needed for computing on a frequent basis.
* **Backup as a Service**: It for organizations of all sizes that need to back-up active data regularly to avoid losses, stay compliant and preserve data integrity.
* **Collaboration as a Service:** Enables organizations to manage data and enable file/information sharing with minimal latency.
* **Big Data Processing**: Analyze and index large data volumes in the hundreds of peta bytes in size, as well run distributed queries across multiple data sets and then returned in near real time.
* **Enterprise Application Migration** is an open cloud interface based on standards-based OpenStack APIs to support on-premise server migration. It provides a variety of solution tools from HP solution partners to deploy complex multi-tier applications.

**Cloud products:**

* **HP Cloud Compute:**  solution that can deliver a [virtual server](http://en.wikipedia.org/wiki/Virtual_private_server) on demand. New virtual servers, or compute instances, can be brought online in seconds and can be fully customized to meet a variety of computing needs. It is built on OpenStack's open source operating environment and enhanced with unique HP technology.
* **HP Cloud Object Storage**: Is a public cloud storage solution that delivers secure, scalable capacity on demand. Storage capacity can be obtained online in seconds, allowing a flexible, manageable computing environment.
* **HP Cloud Content Delivery Network** (CDN): Is a web service that delivers data from HP Cloud Object Storage to users all around the world. Using an extensive global network of servers from HP and Akamai Technologies, HP Cloud CDN routes content to local servers closest to customers.
* **HP Cloud Block Storage:** Enables organizations to store data from HP Cloud Compute instances for as long as needed. HP Cloud Block Storage is ideal for applications requiring frequent read/write access such as web applications.
* **HP Cloud Relational Database:**  Web-based service that provides users with on-demand access to a relational database in the cloud.
* **HP Cloud Load Balancers**: Managed load balancing service that allow for the automatic distribution of incoming traffic across compute resources.
* **HP Cloud DNS** is an enterprise-grade domain name system featuring any cast routing.
* **HP Cloud Monitoring** delivers fundamental compute and block storage metrics, providing visibility into resource utilization, application performance, and operational health.
* **HP Cloud Application Platform as a Service** is an application platform for development, deployment, and management of cloud applications using any language on any stack.

### Partner ecosystem:

### HP Public Cloud has created a Cloud Partner Ecosystem that enables partners to provide services that use the HP Public Cloud infrastructure. The Solution Partners program is designed to help Solution Partners enhance their cloud offering and increase exposure to new customers and markets. Solution Partners offer software, applications and cloud services on top of and/or integrated with HP Public Cloud. The program consists of a set of tools, best practices, documentation, and support.

Solution partners such as [platform as a service](http://en.wikipedia.org/wiki/Platform_as_a_service) (PaaS) and [software as a service](http://en.wikipedia.org/wiki/Software_as_a_service) (SaaS) vendors provide cloud-based web services including:

* Applications
* [Database](http://en.wikipedia.org/wiki/Database)
* Development & Testing
* Management
* [Mobile computing](http://en.wikipedia.org/wiki/Mobile_computing)
* [Monitoring](http://en.wikipedia.org/wiki/Network_monitoring)
* [Multimedia](http://en.wikipedia.org/wiki/Multimedia)
* [Platform as a Service](http://en.wikipedia.org/wiki/Platform_as_a_Service)
* Security
* [Storage](http://en.wikipedia.org/wiki/Warehouse)
* Technology

The Public Cloud Program for VARs enables channel partners to expand their cloud portfolio and market reach.

* [Value-added resellers](http://en.wikipedia.org/wiki/Value-added_reseller)
* Channel partners
* Consulting firms
* Content services, e.g., websites, mobile apps, intranet sites
* Deployment, migration, and transformation services
* Digital agencies
* [Systems integrator](http://en.wikipedia.org/wiki/Systems_integrator) (SIs)
* Professional services