

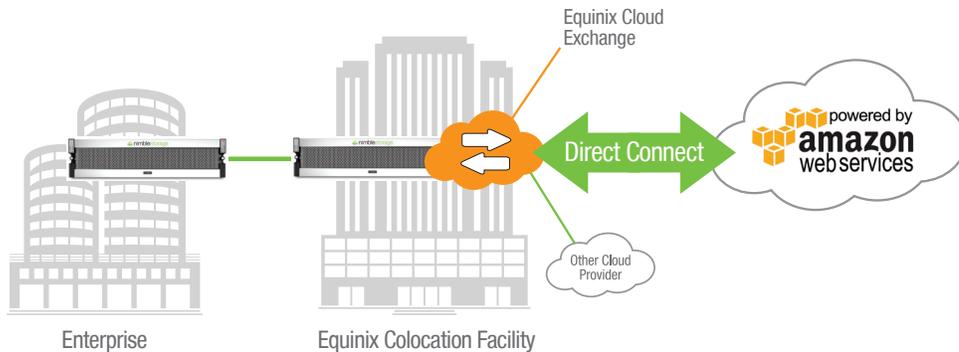
# Nimble Cloud-Connected Storage for Amazon Web Services

Get the best of both worlds with private storage to secure your data and the flexibility of public cloud for compute.

CIOs are constantly being challenged to develop and execute on a cloud strategy with the charter to reduce costs, be more agile, gain insights through data, support lines of business, and do all this without compromising the crown jewels: their company’s data. The benefits of cloud computing are undisputed. But when it comes to data, there are technical, logistical, as well as compliance and governance challenges. These relate to the:

- Cost and time it takes to move large amounts of data to and from the cloud
- Security of the data
- Ability to achieve enterprise levels of reliability, durability and performance
- Ability to guarantee the ownership and maintain control of the data for regulatory compliance

Nimble Cloud-Connected Storage for Amazon Web Services combines the Nimble Storage Adaptive Flash platform and AWS EC2 cloud computing services using AWS Direct Connect and/or Equinix Cloud Exchange connectivity solutions. The storage is located in Equinix colocation facilities at close proximity to AWS data centers to deliver fast, low-latency performance.



Cloud-Connected Storage connects your Nimble array directly to Amazon Web Services.

## Direct Connectivity to AWS

EC2 instances connect directly to block storage volumes running on Nimble arrays. This provides access to secure, feature rich and high performance storage over a fast and low-latency connection. Equinix Cloud Exchange provides further flexibility with EC2 and Nimble storage connectivity by providing self-service on-demand provisioning and switchable virtual connections in the colocation facility.

## Efficient Data Movement

The most efficient way to move data to the cloud is not to move it at all! Instead of moving data to and from the cloud over slow and insecure Internet connections, the cloud connects directly to your storage. For hybrid clouds where you do need to move data from your on-premise storage to your cloud-connected storage Nimble’s efficient data replication ensures all data is compressed and only changed data is sent to minimize bandwidth requirements.

## Solution Highlights

Provide secure private storage for your Amazon cloud compute environment.

- Direct connectivity to AWS
- Efficient data movement

## Use Cases

- Disaster recovery
- Development/test
- Seamless hybrid cloud
- Enterprise applications
- Application cloud bursting
- Big data analytics

## Benefits

- **Data Sovereignty and Ownership:** Own and control your data when using public cloud
- **Use Hybrid Cloud without Data Migration:** Avoid large data transfers between your on-premise storage or private cloud and public cloud
- **Data Durability and Reliability:** Proven 99.999% uptime and reliability combined with triple-parity RAID that improves data durability by 1,000x
- **Improve Performance:** Leverage low latency connections and Adaptive Flash accelerated performance
- **Storage On Demand:** Option to pay and consume private storage in the same way as you pay for cloud services

## Solution Components

- Nimble Storage Adaptive Flash platform
- Nimble Storage efficient data replication
- Nimble Storage snapshots
- Nimble Storage zero-copy clones
- AWS EC2
- AWS Direct Connect
- Equinix Cloud Exchange
- Equinix Co-location services

## Get More Done in the Cloud Using Nimble Cloud-Connected Storage

Cloud-connected storage opens up new possibilities and use cases that are not possible in purely private or public cloud implementations:

### Lower Disaster Recovery Costs

Pay for disaster recovery only when you need it instead of keeping fully operational secondary servers up at all times. Leverage the elastic compute of EC2 to quickly enable your DR site for drills and actual failures and turn them off when you are done. All the while Nimble's efficient data replication ensures your DR data is up-to-date and secure.

### Improve Development and Test Environments

If your production environment is on-premise, it is difficult to leverage the cloud for dev/test since you need to move data back and forth between the cloud. With Nimble Cloud-Connected Storage, instant snapshots are made of your production environment and zero-copy clones of that data are immediately available for EC2 instances that can be spun up quickly for dev/test.

### Secure Private Storage for Enterprise Applications in the Cloud

Stop debating which applications can move to the cloud due to concerns about security, privacy performance, and reliability. With Nimble Cloud-Connected Storage, you will always control your data while taking advantage of EC2 cloud compute.

Other use cases such as big data analytics and application cloud bursting can leverage Nimble Cloud-Connected Storage to gain agility and improve performance while maintaining sovereignty and ownership of your data.

## Benefits

### Data Sovereignty and Ownership

Breakdown one of the top barriers in cloud adoption. You always own and control your data when you use Nimble Cloud-Connected Storage allowing you to address data security as well as corporate compliance or governance requirements.

### Use Hybrid Cloud without Data Migration

Nimble's efficient data replication allows you to gain efficiency, reduce data transfer times, and reduce network costs by avoiding large data migrations to and from your on-premise storage or private cloud to the public cloud.

### Data Durability and Reliability

Even when the cloud experiences problems, your data is always safe with Nimble. Our storage arrays have proven 99.999% uptime and reliability over thousands of systems deployed in production. With triple-parity RAID protection, data durability is improved by over 1,000x compared to traditional RAID6 protection.

### Improve Performance

Overall performance gains are achieved with low-latency connectivity provided by Amazon Direct Connect and Equinix Cloud Exchange combined with Nimble's Adaptive Flash platform that accelerates performance and optimizes capacity.

### Storage On Demand

Cloud pay-as-you-go models changed the way IT consumes and pays for computing resources. Now with Nimble's Storage On Demand pay-for-what-you-use pricing model, you can pay for and consume private storage in the same way.



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