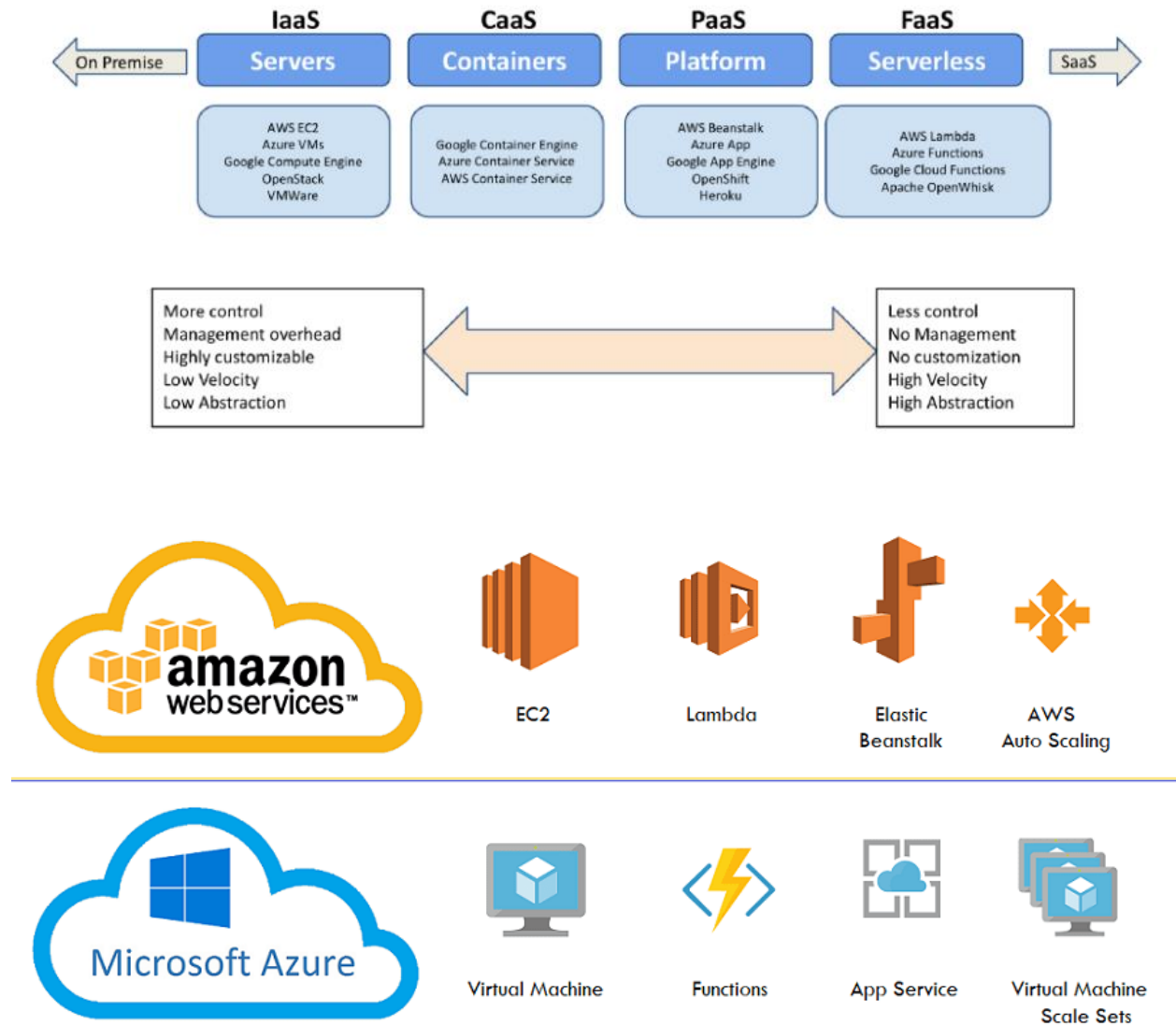
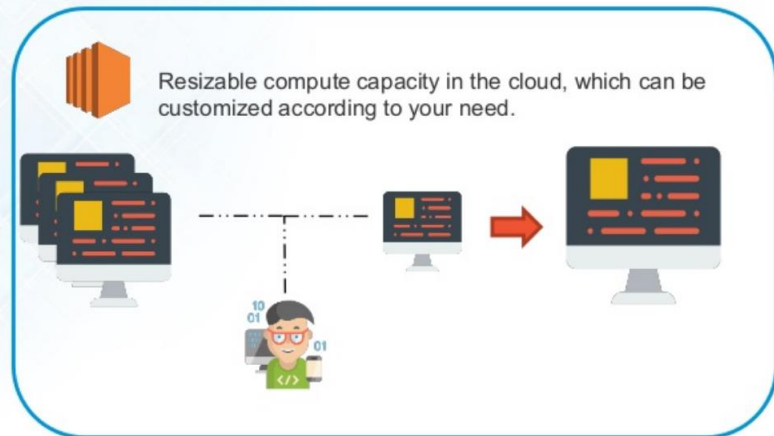
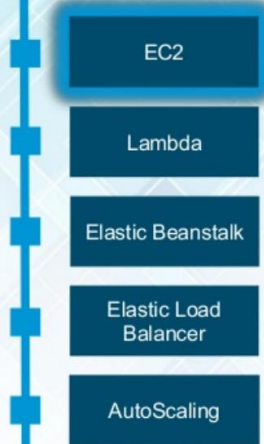


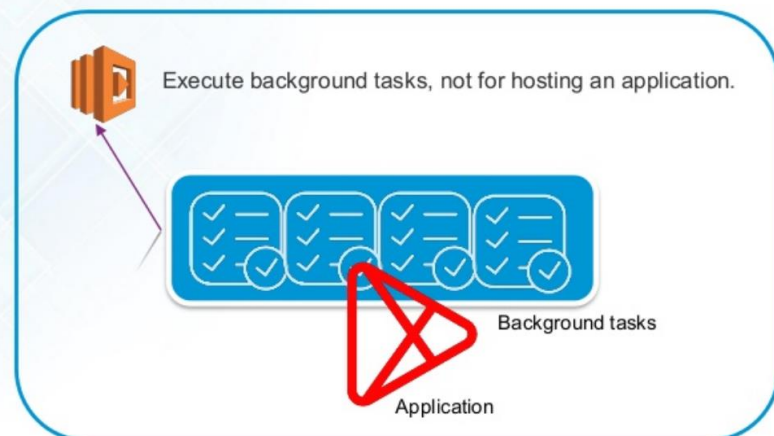
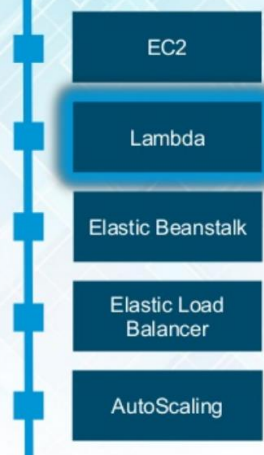
AWS vs AZURE



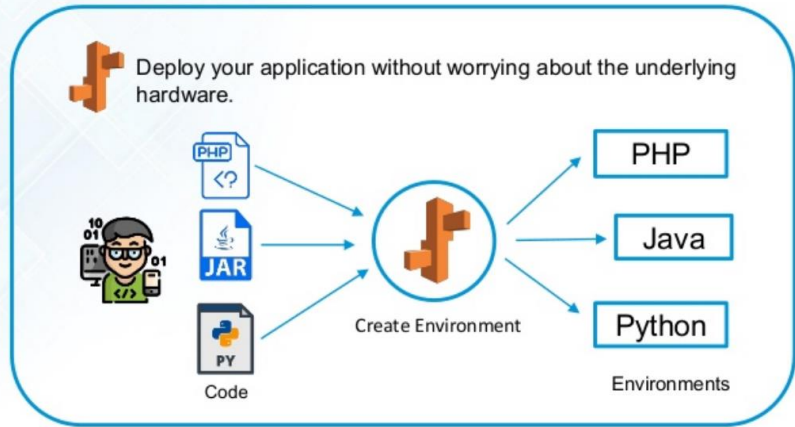
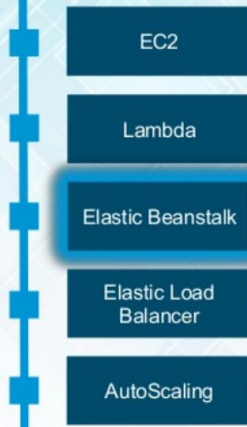
AWS Compute Services



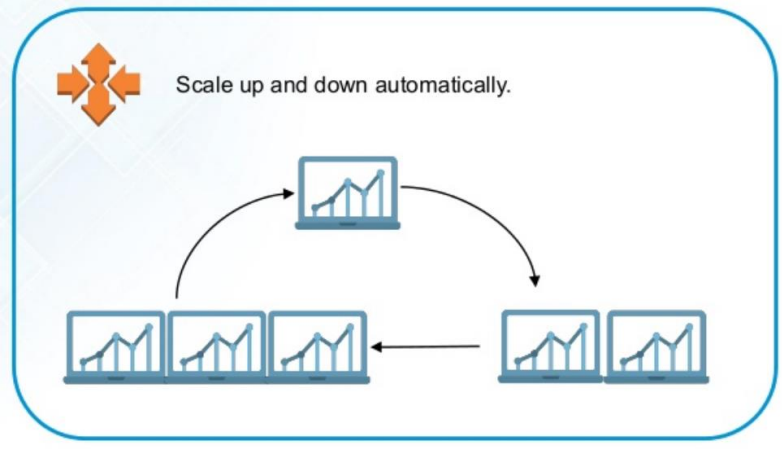
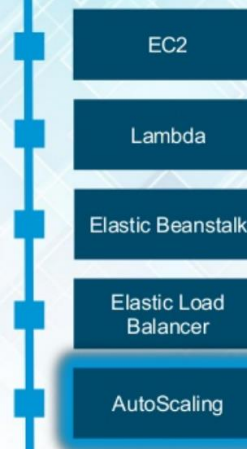
AWS Compute Services



AWS Compute Services



AWS Compute Services





Azure App Service (PaaS)



Azure VM (IaaS)



Amazon EC2 (IaaS)



AWS Elastic Beanstalk (PaaS)

Compute Domain



Virtual
Machine



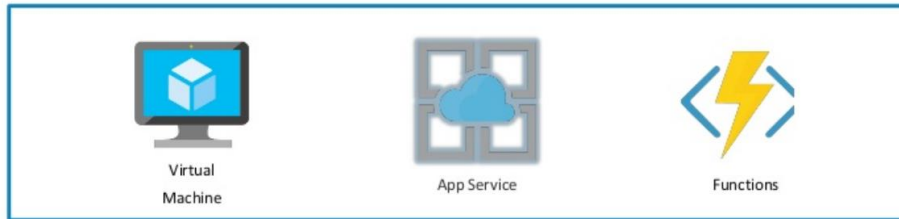
App Service



Functions

Azure Virtual Machine is just like a new machine with a freshly installed operating system.

Compute Domain



App Service is an automated version of Virtual Machine. You simply upload your code, and it deploys the application for you.

Compute Domain



Functions in Azure have server-less architectures and are meant to execute background tasks.

- **Virtual Machine Scale Sets**
 - Create thousands of identical virtual machines in minutes
 - Rely on integrated load balancing and auto-scaling





VPC



Direct Connect



Route 53



Cloud Front



ELB



Virtual
Network



ExpressRoute



Azure DNS

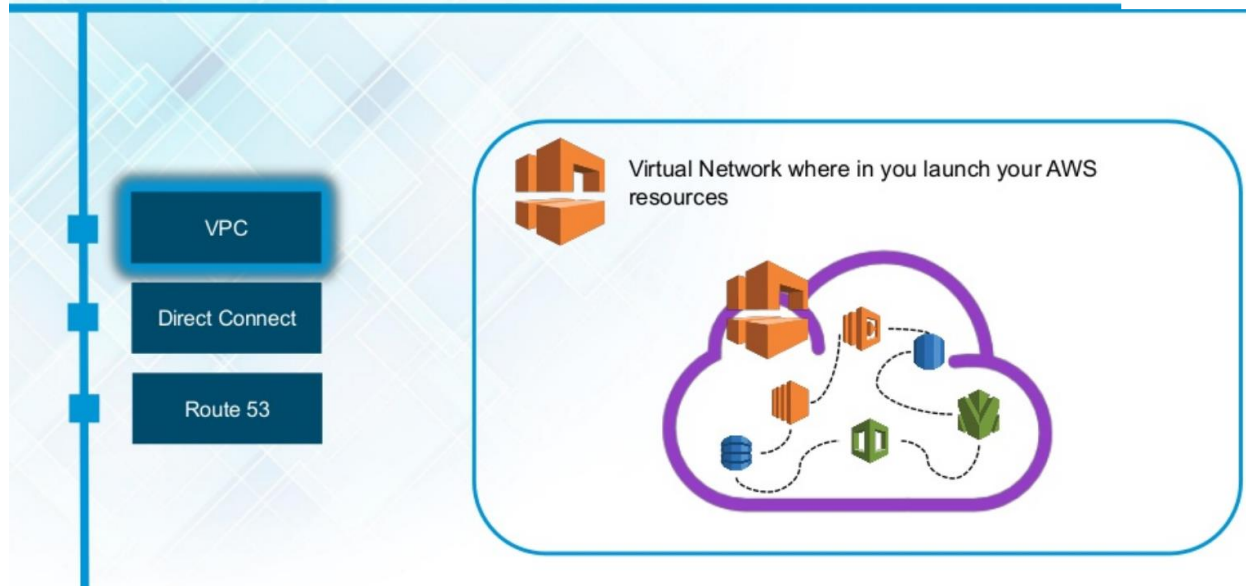


CDN

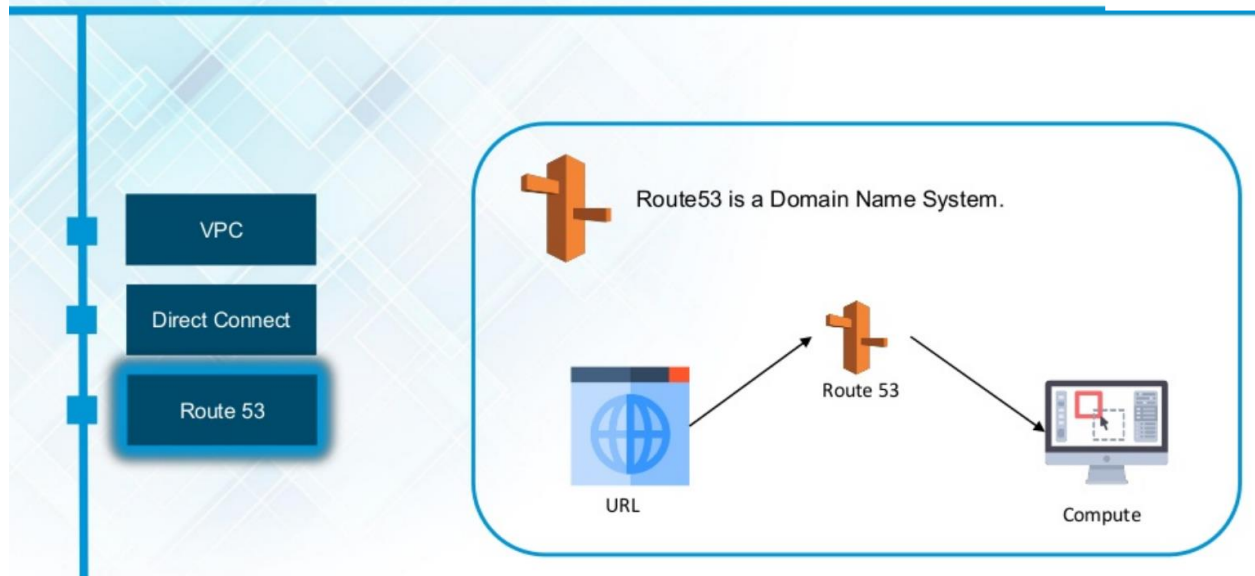


Load Balancer

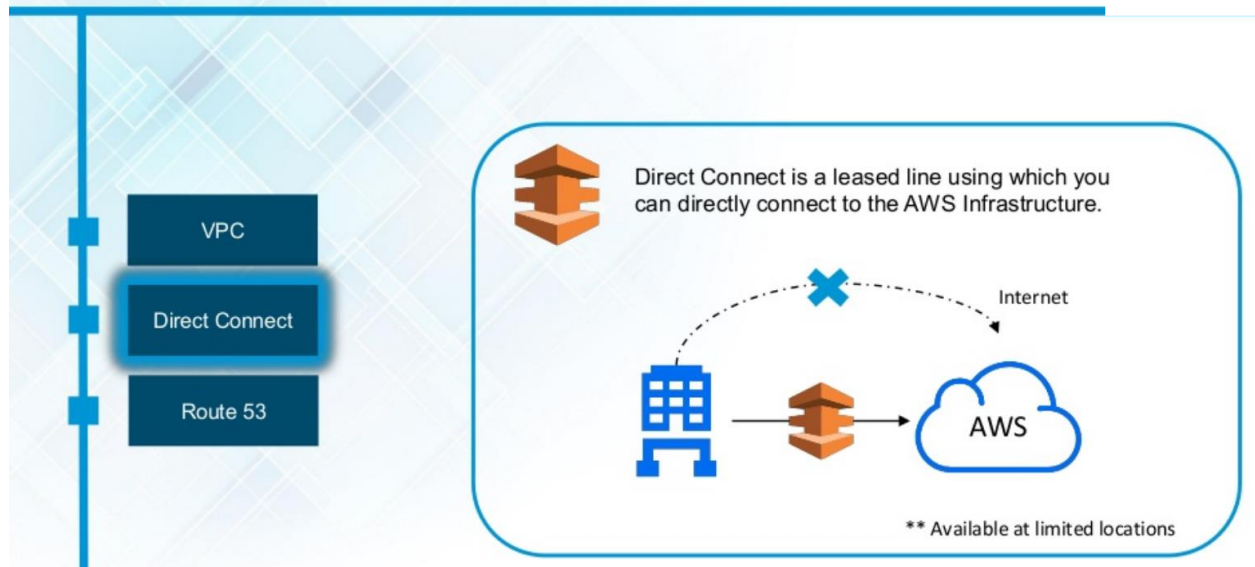
AWS Networking Services

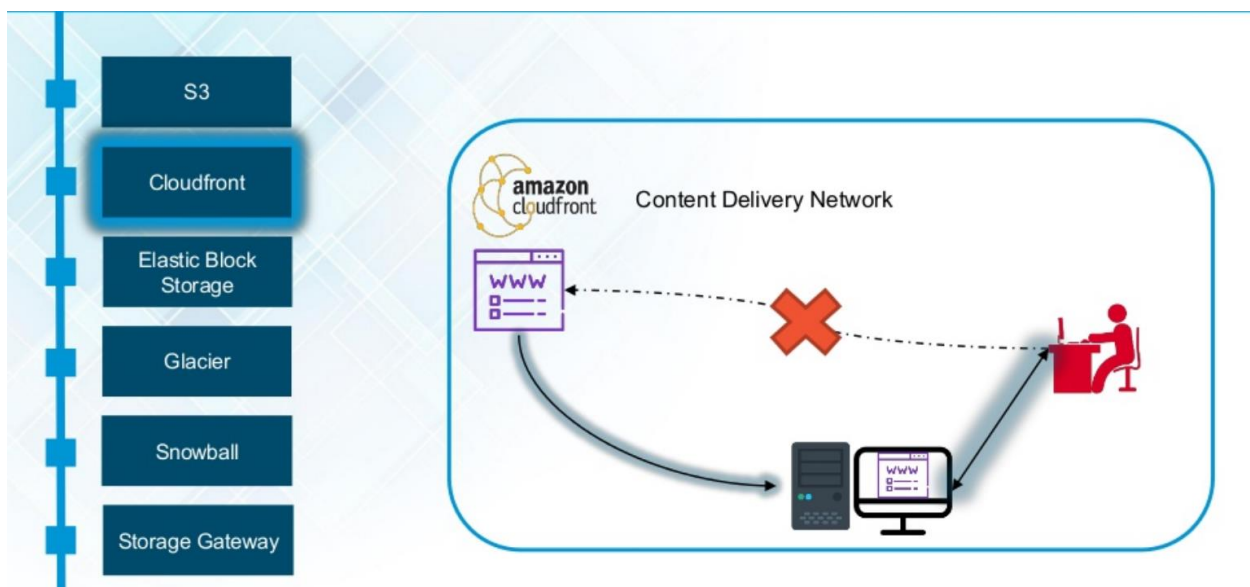
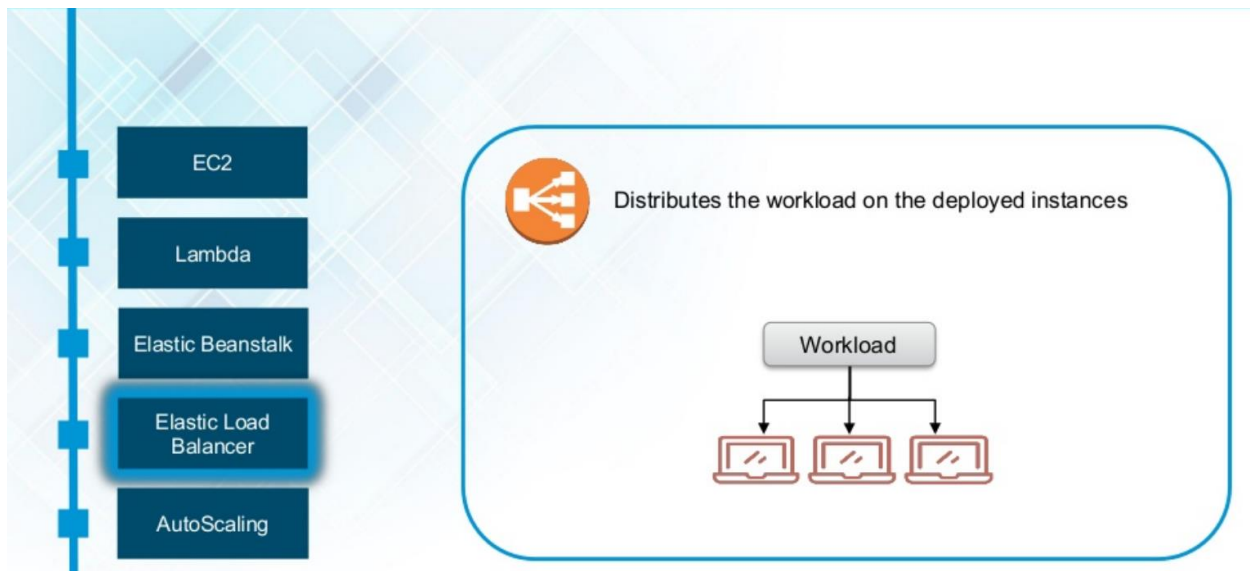


AWS Networking Services



AWS Networking Services







Core Networking Services

- **Virtual Network**
 - Perform Network isolation and segmentation
 - Filter and Route network traffic
- **Load Balancer**
 - Delivers high availability and network performance to your applications
 - Load balance incoming Internet traffic to Virtual Machines
 - Forward external traffic to a specific virtual machine
- **Application Gateway**
 - It is a dedicated virtual appliance providing Application Delivery Controller (ADC) as a service
 - Comprised of multiple worker instances for scalability and high availability



Core Networking Services

- **Azure DNS**
 - DNS is responsible for translating a website or service name to its IP address
 - Azure DNS is a hosting service for DNS domains, providing name resolution using Microsoft Azure infrastructure
- **Content Delivery Network (CDN)**
 - CDN caches static web content at strategically placed locations to provide maximum throughput for delivering content to users
- **VPN Gateway**
 - A type of virtual network gateway that sends encrypted traffic across a public connection
 - Use VPN gateways to send traffic between Azure virtual networks over the Microsoft network



Cloud Networking Services

- **Traffic Manager**

- Allows you to control the distribution of user traffic for service endpoints such as, Azure VMs, Web Apps, and cloud services in different Data centers



- **Express Route**

- Lets you extend your on-premises networks into the Microsoft cloud over a dedicated private connection facilitated by a connectivity provider
- Establish connections to Microsoft cloud services, such as Microsoft Azure, Office 365, and CRM Online



S3



Glacier



Storage
Gateway



Import/Export
Snowball



Blob
Storage



Backup

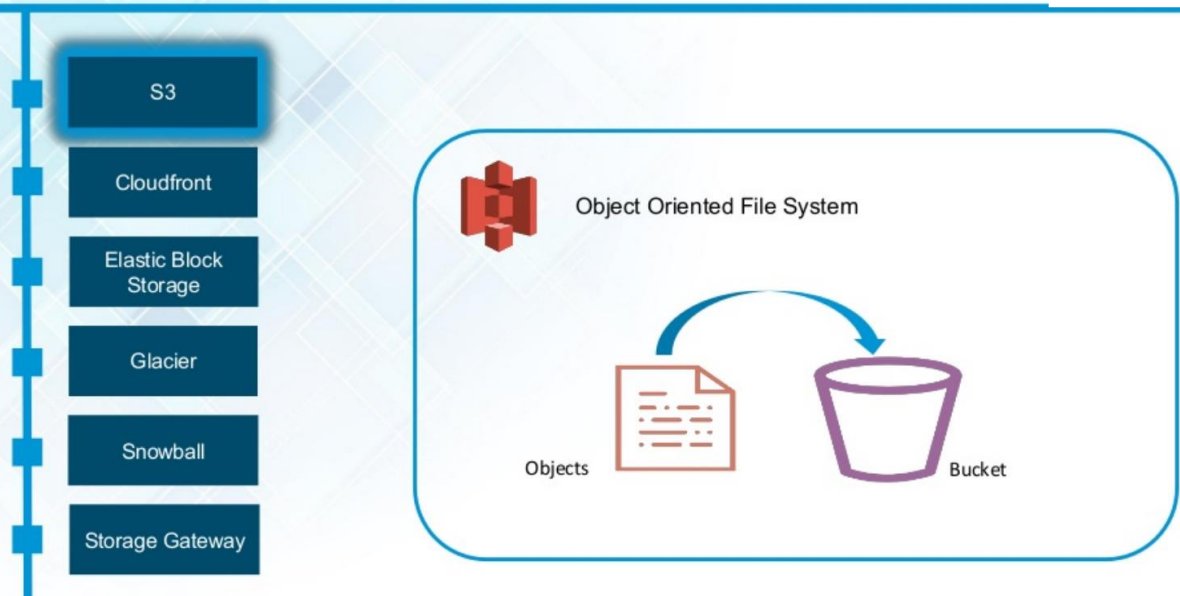


StorSimple

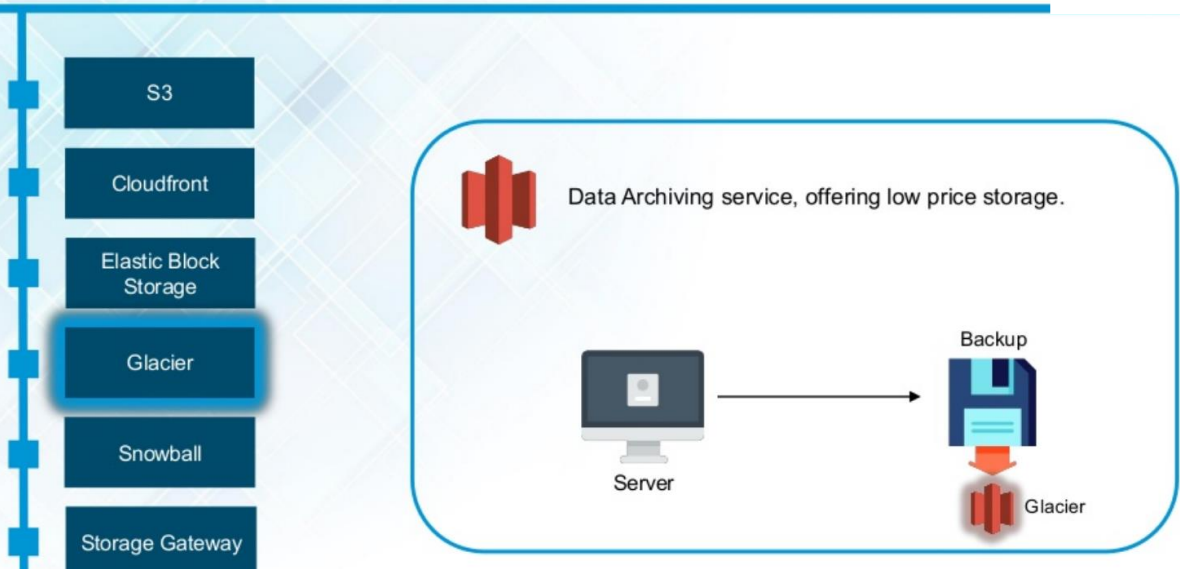


Azure
Data Box

AWS Storage Services



AWS Storage Services

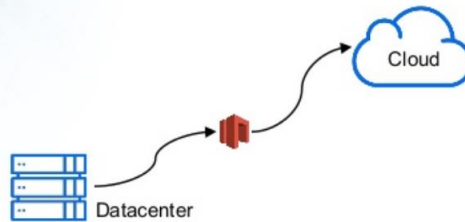


AWS Storage Services

- S3
- Cloudfront
- Elastic Block Storage
- Glacier
- Snowball
- Storage Gateway**



Provide seamless integration between your on premise servers and the AWS Infrastructure.



AWS Storage Services

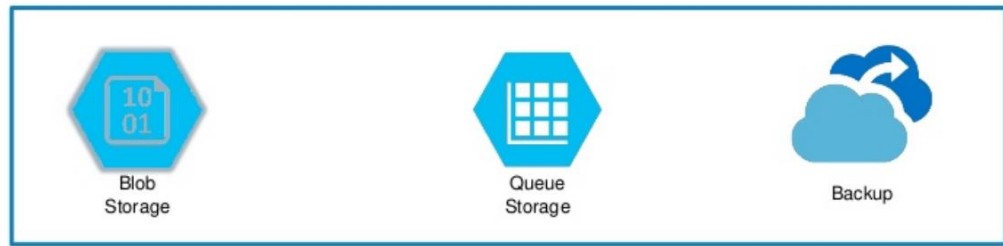
- S3
- Cloudfront
- Elastic Block Storage
- Glacier
- Snowball**
- Storage Gateway



Physical transfer of data to AWS Infrastructure.

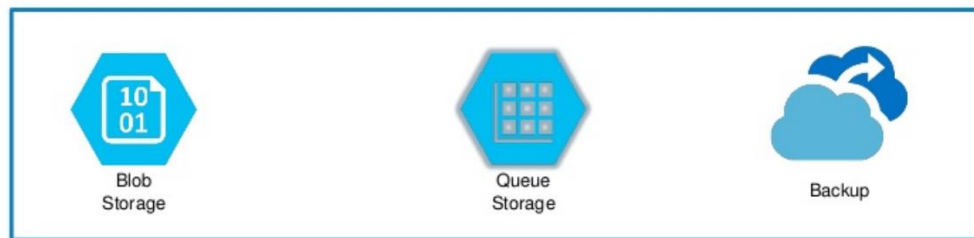


Storage Domain



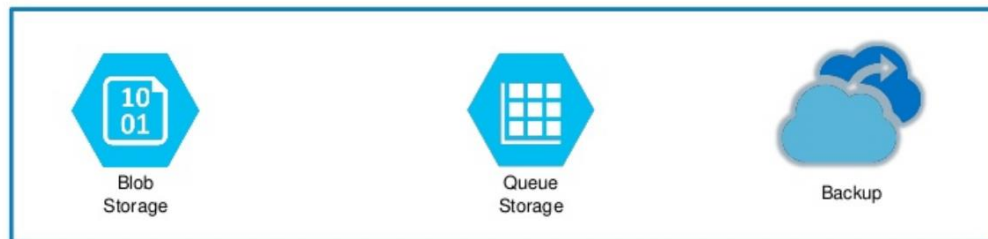
Blob Storage is an all-in-one storage which can store any type of file.

Storage Domain



Queue storage is used for queueing tasks which can read sequentially and can thus be used for synchronization.

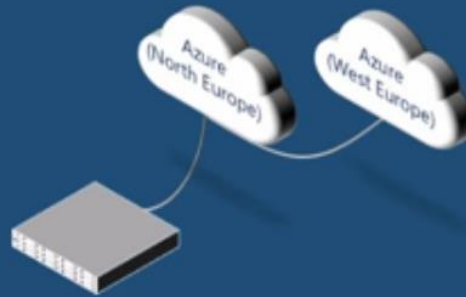
Storage Domain



With the backup service, you can store all your infrequently accessed data at a minimum price.

Microsoft Azure StorSimple

Manage data growth
Simplify data protection and disaster recovery
Increase business agility
Reduce storage costs by 40-60%



Azure data box solution is available with 3 options:

- Data Box Disk
- Data Box
- Data Box Heavy

Data Box Disk

The Data Box service is allowed only for EA, CSP, Microsoft Partner Network, Sponsorship Offer Types.

40_{TB}

Total capacity per order

Select

- ✓ 35 TB usable capacity
- ✓ Up to 5 disks per order
- ✓ Supports Azure Blobs, Files, Managed Disks
- ✓ Copy data to 1 storage account
- ✓ USB 3.1/SATA interface

Data Box

The Data Box service is allowed only for EA, CSP, Microsoft Partner Network, Sponsorship Offer Types.

100_{TB}

Total capacity per order

Select

- ✓ 80 TB usable capacity
- ✓ 10 day use at no extra cost
- ✓ Supports Azure Blobs, Files, Managed Disks
- ✓ Copy data across 10 storage accounts
- ✓ 1x1/10 Gbps RJ45, 2x10 Gbps SFP+ interface

Data Box Heavy

The Data Box service is allowed only for EA, CSP, Microsoft Partner Network, Sponsorship Offer Types.

1000_{TB}

Total capacity per order

Select

- ✓ 800 TB usable capacity
- ✓ 20 day use at no extra cost
- ✓ Supports Azure Blobs, Files, Managed Disks
- ✓ Copy data across 10 storage accounts
- ✓ 4x1 Gbps, 4x40 Gbps interface



RDS



DynamoDB



RedShift



ElastiCache



SQL
Database



Azure
Cosmos DB



SQL
Data Warehouse

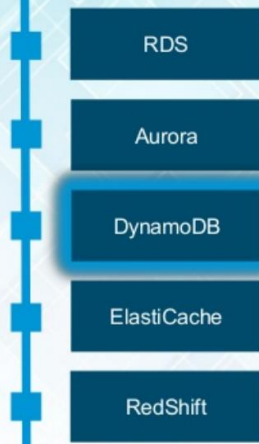


Redis
Cache

AWS Database Services



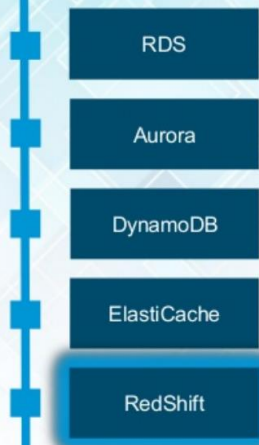
AWS Database Services



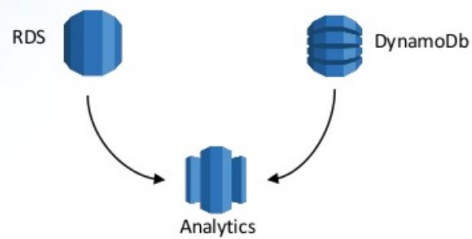
Non Relational Database Management Service.



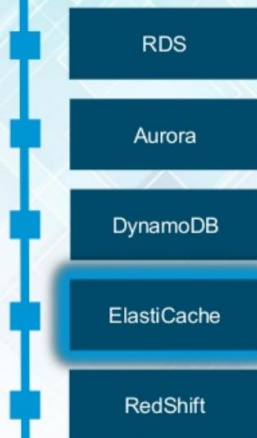
AWS Database Services



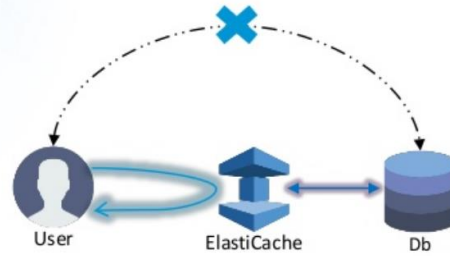
fully managed petabyte-scale data warehouse service



AWS Database Services



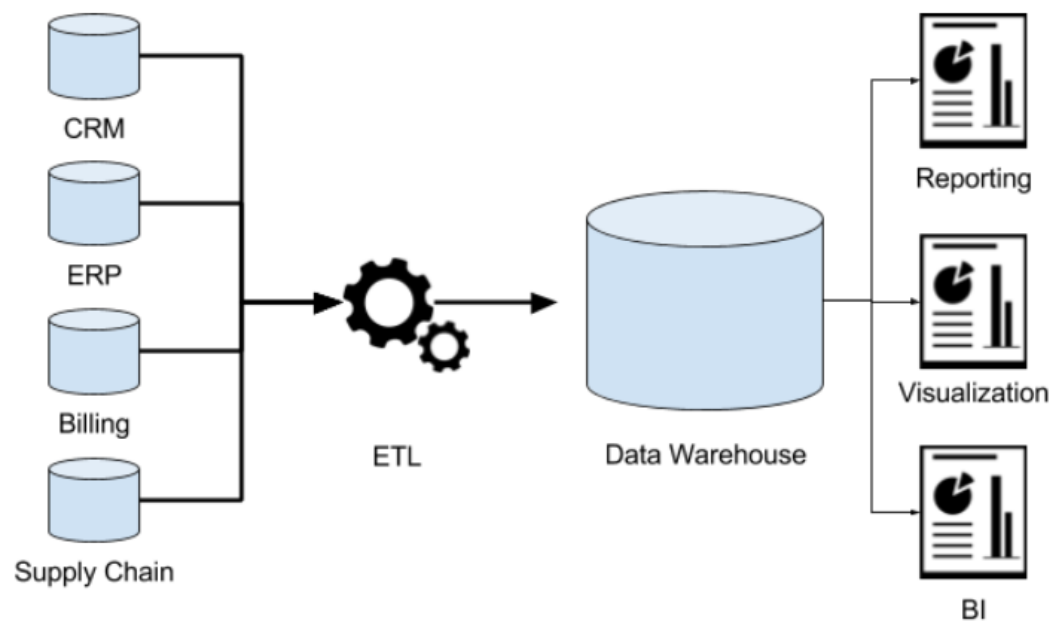
set up, manage and scale a distributed cache-in environment in the cloud.



SQL Database Services

- **SQL Database**
 - SQL Database is a relational database service in the Microsoft cloud based on the market-leading Microsoft SQL Server engine
- **DocumentDB**
 - DocumentDB is a fully managed NoSQL database service built for fast and predictable performance, high availability, elastic scaling, global distribution, and ease of development
- **Redis Cache**
 - Managed by Microsoft. It is a secure and dedicated Redis cache, which is an advanced key-value store, where keys can contain data structures such as strings, hashes, lists, sets, and sorted sets





A data warehouse contains data from many operational sources. It is used to analyze data.