

## AWS Products - Key Services

### Compute and Networking Services



**EC2** provides virtual server in AWS cloud



Provides isolated virtual network in AWS cloud



**Auto Scaling** scales virtual servers based on changes in demand



**Route 53** route "traffic to your domain name" to "your resource"



**ELB** distributes network traffic across set of virtual servers



Run your code on v. server from EC2 in response to event



Provides **Docker** containers on virtual server from Amazon **EC2**

### Storage and Content Delivery Services



**S3** scalable storage in AWS Cloud



**CloudFront** is a Global Content Delivery Network (or CDN)



**EBS** Network attached storage volumes for your virtual server



**Glacier:** a low-cost archival storage

### Security and Identity Services



**Identity and Access Management** manage user access to AWS res through policies



**Directory Service** manage user access to AWS through your Microsoft Active Dir

### Databases Services



Provides managed relational databases



**Redshift** is a fast fully managed petabyte-scale driven data warehouse



**DynamoDB** provides managed NoSQL databases



**ElastiCache** provides an in-memory caching service.

### Analytics Services



**EMR** uses Hadoop to manage and process data



**DataPipeline** makes it easy regularly move and process data



**Kinesis** enables real time processing of streaming data at massive scale



**Machine Learning** makes predictions simple through APIs

### Application Services



**AppStream** host your streaming app in the AWS cloud and stream i/o to user devices



**CloudSearch** adds search to your website



**Elastic Transcoder** converts digital media into format req by dev



**SES** sends email from the cloud



**SNS** sends / receives notifications to/from AWS Cloud



**SQS** enable apps components to store data in a queue for other components



**SWF** Coordinates tasks across the components of your application

### Management Tools



**CloudWatch** provides tools for resources and applications monitoring



**CloudFormation** provides provisioning of AWS resources using templates



**CloudTrail** track the usage history for your AWS resources by logging AWS API calls



**Config** view the current and previous conf of AWS resources and monitor changes



**OpsWorks** configure / manage env for your app, in AWS Cloud or your own data center



**Service Catalog** distributes servers / dbs / websites / apps to user through resources