AWS Products - Key Services
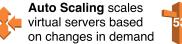
Compute and Networking Services

EC2 Provides virtual server in AWS cloud
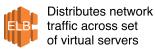
VPC Provides isolated virtual network in AWS cloud

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 archivial storage

Security and Identity Services

Manage user access to AWS resources through policies

Manage user access to AWS through your Microsoft Active Dir

Databases Services

RDS 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

MachineLearning 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

OpsWork 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