Evaluating Cloud Vendors

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Cloud Vendors: The Big 3... 4... 5... 6?
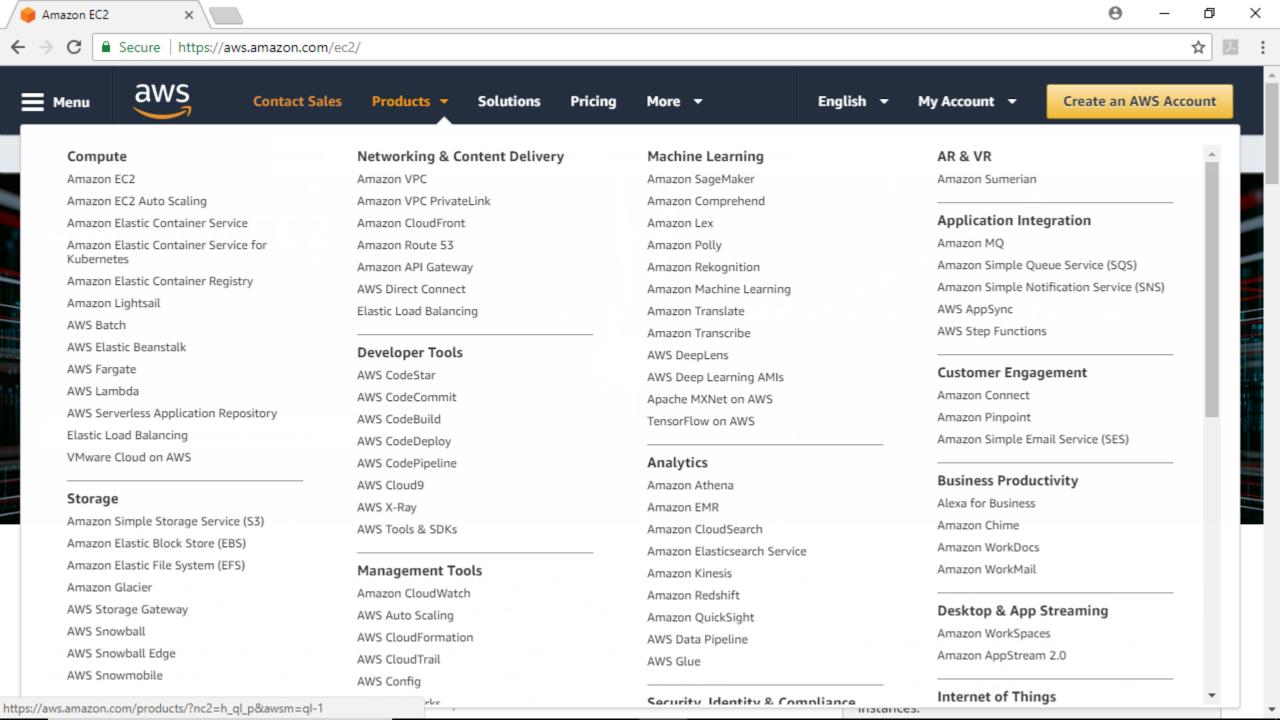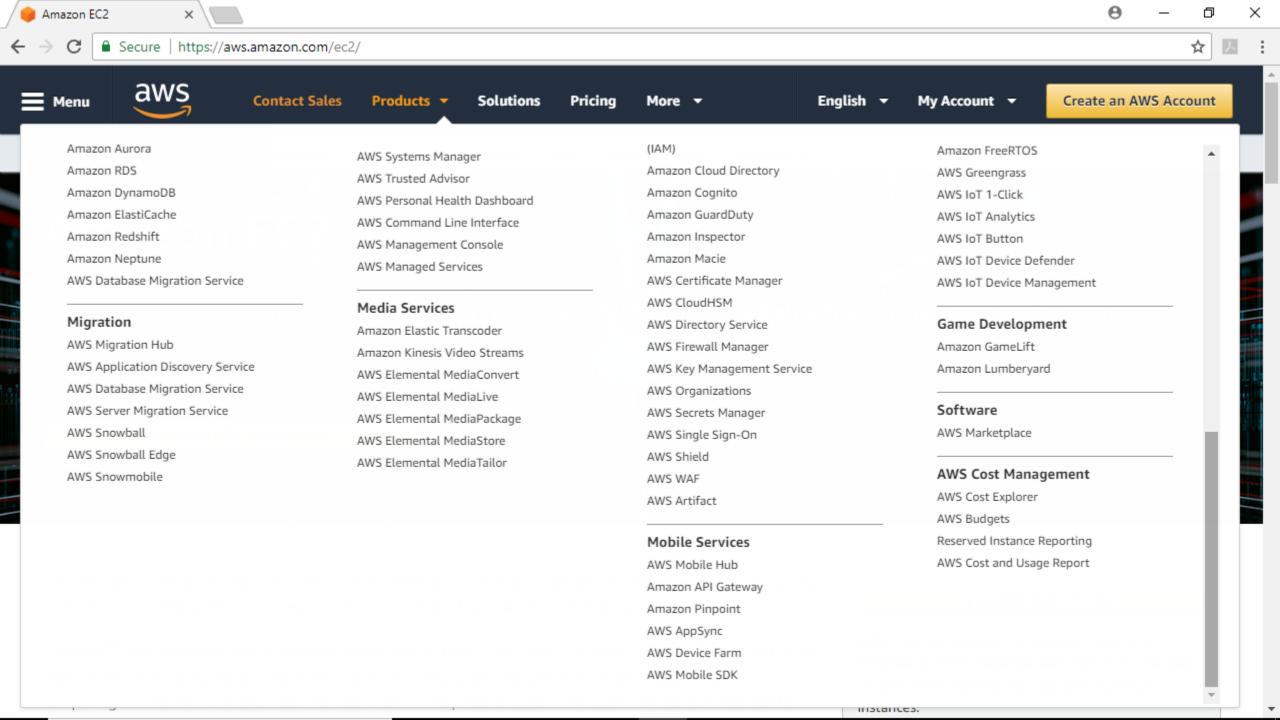
The Big 3

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Amazon EC2 Auto Scaling
Amazon Elastic Container Service
Amazon Elastic Container Service for Kubernetes
Amazon Elastic Container Registry
Amazon Lightsail
AWS Batch
AWS Elastic Beanstalk
AWS Fargate
AWS Lambda
AWS Serverless Application Repository
Elastic Load Balancing
VMware Cloud on AWS

Storage
Amazon Simple Storage Service (S3)
Amazon Elastic Block Store (EBS)
Amazon Elastic File System (EFS)
Amazon Glacier
AWS Storage Gateway
AWS Snowball
AWS Snowball Edge
AWS Snowmobile

Networking & Content Delivery
Amazon VPC
Amazon VPC PrivateLink
Amazon CloudFront
Amazon Route 53
Amazon API Gateway
AWS Direct Connect
Elastic Load Balancing

Developer Tools
AWS CodeStar
AWS CodeCommit
AWS CodeBuild
AWS CodeDeploy
AWS CodePipeline
AWS Cloud9
AWS X-Ray
AWS Tools & SDKs

Management Tools
Amazon CloudWatch
AWS Auto Scaling
AWS CloudFormation
AWS CloudTrail
AWS Config

Machine Learning
Amazon SageMaker
Amazon Comprehend
Amazon Lex
Amazon Polly
Amazon Rekognition
Amazon Machine Learning
Amazon Translate
Amazon Transcribe
AWS DeepLens
AWS Deep Learning AMIs
Apache MXNet on AWS
TensorFlow on AWS

Analytics
Amazon Athena
Amazon EMR
Amazon CloudSearch
Amazon Elasticsearch Service
Amazon Kinesis
Amazon Redshift
Amazon QuickSight
AWS Data Pipeline
AWS Glue

Security, Identity & Compliance

AR & VR
Amazon Sumerian

Application Integration
Amazon MQ
Amazon Simple Queue Service (SQS)
Amazon Simple Notification Service (SNS)
AWS AppSync
AWS Step Functions

Customer Engagement
Amazon Connect
Amazon Pinpoint
Amazon Simple Email Service (SES)

Business Productivity
Alexa for Business
Amazon Chime
Amazon WorkDocs
Amazon WorkMail

Desktop & App Streaming
Amazon WorkSpaces
Amazon AppStream 2.0

Internet of Things

Secure | https://aws.amazon.com/ec2/

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Amazon ElastiCache	AWS Personal Health Dashboard	Amazon GuardDuty	AWS IoT Analytics
Amazon Redshift	AWS Command Line Interface	Amazon Inspector	AWS IoT Button
Amazon Neptune	AWS Management Console	Amazon Macie	AWS IoT Device Defender
AWS Database Migration Service	AWS Managed Services	AWS Certificate Manager	AWS IoT Device Management

Migration

AWS Migration Hub

AWS Application Discovery Service

AWS Database Migration Service

AWS Server Migration Service

AWS Snowball

AWS Snowball Edge

AWS Snowmobile

Media Services

Amazon Elastic Transcoder

Amazon Kinesis Video Streams

AWS Elemental MediaConvert

AWS Elemental MediaLive

AWS Elemental MediaPackage

AWS Elemental MediaStore

AWS Elemental MediaTailor

AWS CloudHSM

AWS Directory Service

AWS Firewall Manager

AWS Key Management Service

AWS Organizations

AWS Secrets Manager

AWS Single Sign-On

AWS Shield

AWS WAF

AWS Artifact

Mobile Services

AWS Mobile Hub

Amazon API Gateway

Amazon Pinpoint

AWS AppSync

AWS Device Farm

AWS Mobile SDK

Game Development

Amazon GameLift

Amazon Lumberyard

Software

AWS Marketplace

AWS Cost Management

AWS Cost Explorer

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Reserved Instance Reporting

AWS Cost and Usage Report

Instances.

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Run VMs on Google's infrastructure

App Engine ❯
PaaS for apps and backends

Kubernetes Engine ❯
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Cloud Functions BETA ❯
Serverless environment to build and
connect cloud services

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Databases** ❯

Cloud Storage ❯
Object storage with global edge-caching

Cloud SQL ❯
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database service

Cloud Bigtable ❯
Fully managed NoSQL database service

Cloud Spanner ❯
Mission-critical, relational database
service

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Cloud AutoML ALPHA ❯
Train high quality custom machine
learning models with minimum effort
and machine learning expertise

Cloud TPU BETA ❯
Access the same accelerators used by
Google to develop world-class machine
learning products

Cloud Machine Learning Engine ❯
Machine Learning on any data, of any
size

Cloud Job Discovery BETA ❯
Power your job site with machine
learning

Beyond the Big 3

Evaluating Requirements and Costs

What is the problem?

What is the anticipated scale?

What are the available resources?

What other cloud services may be needed?

Someone forget to shut down those 500 test virtual machines!

Video of itemized bill scrolling here

Requirements
Cloud technology
+   Appropriate staffing
_____
Success!

Thank you!