

Considering Compute:

Instances:

1. Amazon EC2:
 - Secure and resizable virtual machines in the cloud
2. Amazon EC2 Spot:
 - Run fault tolerant workloads at 90% off the normal price
3. Amazon EC2 Auto Scaling:
 - Automatically add or remove capacity based on demand
4. Amazon LightSail:
 - An easy-to-use cloud platform to build applications or websites

Containers:

1. Amazon ECS:
 - Run secure, reliable and scalable containers
2. Amazon ECR:
 - Store, manage and deploy container images
3. Amazon EKS:
 - Fully managed Kubernetes Service

Serverless:

1. AWS Lambda:
 - A compute service to run code without server

Edge:

1. AWS Outposts:
 - Runs AWS services on-premises
2. AWS Snow Family:
 - Bring your data into AWS
3. AWS Wavelength:
 - Access AWS services via 5G networks
4. VMware cloud on AWS:
 - Migrate VMWare workloads
5. AWS Local Zones:
 - Run latency sensitive applications closer to end users

Elastic Compute Cloud:

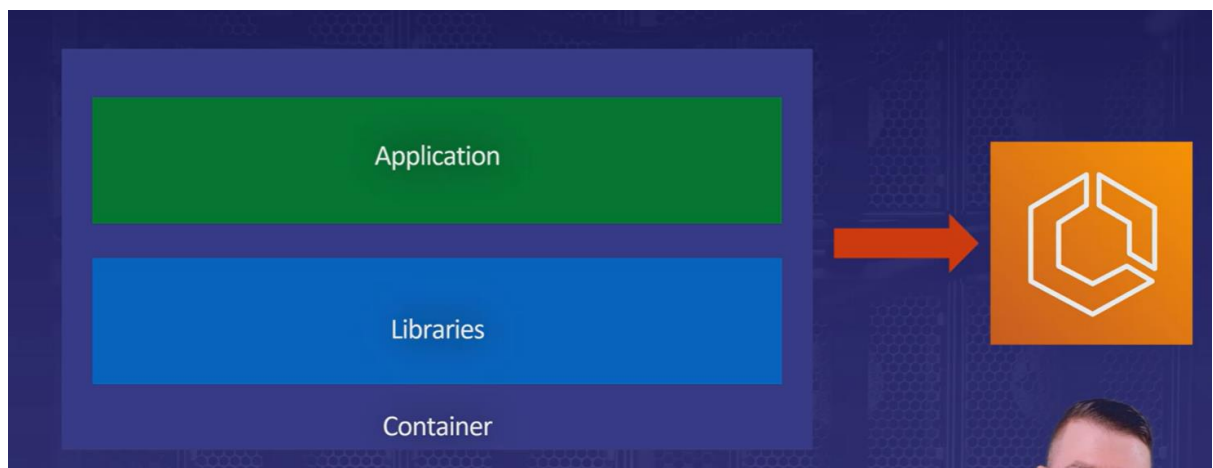
- Rent virtual computers
- Choose from various types with different CPU, RAM and storage.
- Different optimizations are available as well
- Pay by the hour or second

EC2 elasticity:

1. On-demand pricing options

Instance Name	Specifications	Price
t3.nano	2 vCPU's, 0.5 GiB RAM	\$0.0052/hour
t3.xlarge	4 vCPU's, 16 GiB RAM	\$0.1664/hour
c6g.8xlarge	32 vCPU's, 64 GiB RAM	\$1.088/hour
X1e.xlarge	128 vCPU's, 3904 GiB RAM, 2x 1920 GB SSD	\$26.688/hour

Containers:



Lambda:

- Serverless compute service
- Runs your code in response to events
- Runs your code for somewhere



Charged by the millisecond:

- Price depends on RAM use
- 128 MB RAM X 30 million triggers per month
- \$11.63 total