EC2 -> Elastic compute cloud

Reduce time to boot new server instance to minutes

Quickly scale compute capacity

Pay for capacity you acttually use

Provide developre tool to build failure resilient application and isolate them from common failure scenario

On demand – pay by hour

Reserved – capacity reservation

Spot – provide bid price, spot < bid -> run, spot > bid -> terminate

Dedicated host – physical server, license

DR MC GIFT PX

EBS 5 types, 1 EBS bound to 1 instance

SSD IOPS < 10000 general purpose

SSD IOPS > 10000

HHD thoughtput optimized -> frenquently access ->big data, dataware house

HHD cold -> less frenquently access -> filer server

HHD magnetic -> bootable -> cheap infrequently access

System status check – check underline system like network, power, software

Instance status check – traffice to system OS

Rule in security group happen imediately

All inbound is blocked by default

Inbound rule applys for outbound rule => stateful

Block ip => NACL

Only allow, no deny