

* EC2 - Solutions Architect Level *

Elastic IP is a public IPv4 that you own as long as you want and you can attach it to one EC2 instance at a time.

Spot fleet is a set of Spot Instances and optionally On-demand instances. It allows you to automatically request spot instances with the lowest price.

Cluster Placement Groups place your EC2 instances next to each other which gives you high-performance computing and networking.

- Spread Placement Group place your EC2 instances on different physical hardware across different AZ.

Elastic Network Interface (ENI) are bounded

to a specific AZ. You can not attach an ENI to an EC2 instance in a different AZ.
To enable EC2 Hibernate, the EC2 instance Root Volume Type must be an EBS volume and must be encrypted to ensure the protection of sensitive content.