Introduction to Amazon Virtual Private Cloud (VPC)

Amazon Web Services

Amazon VPC

Amazon VPC stands for Virtual Private Cloud which lets you configure an isolated network within the Amazon Web Services platform. This logically segregated network is yours to control as it enables you to define the core configurations of your virtual network and build a virtual data centre. You can choose your own IP Address range, create subnets and configure route tables. You can enable workloads in your VPC to access the Internet and your corporate LAN via network gateways.

Amazon VPC

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Amazon VPC

You can design your VPC to suit a variety of configuration types. For example, you can create a public only subnet in which you can host web servers with access to the Internet, or place critical back-end servers such as databases in a private subnet of the VPC with no direct Internet access. Should the servers in the private VPC need Internet access, you can configure a NAT services to enable Internet access via a NAT server while protecting those servers with private IP addresses.

Amazon VPC

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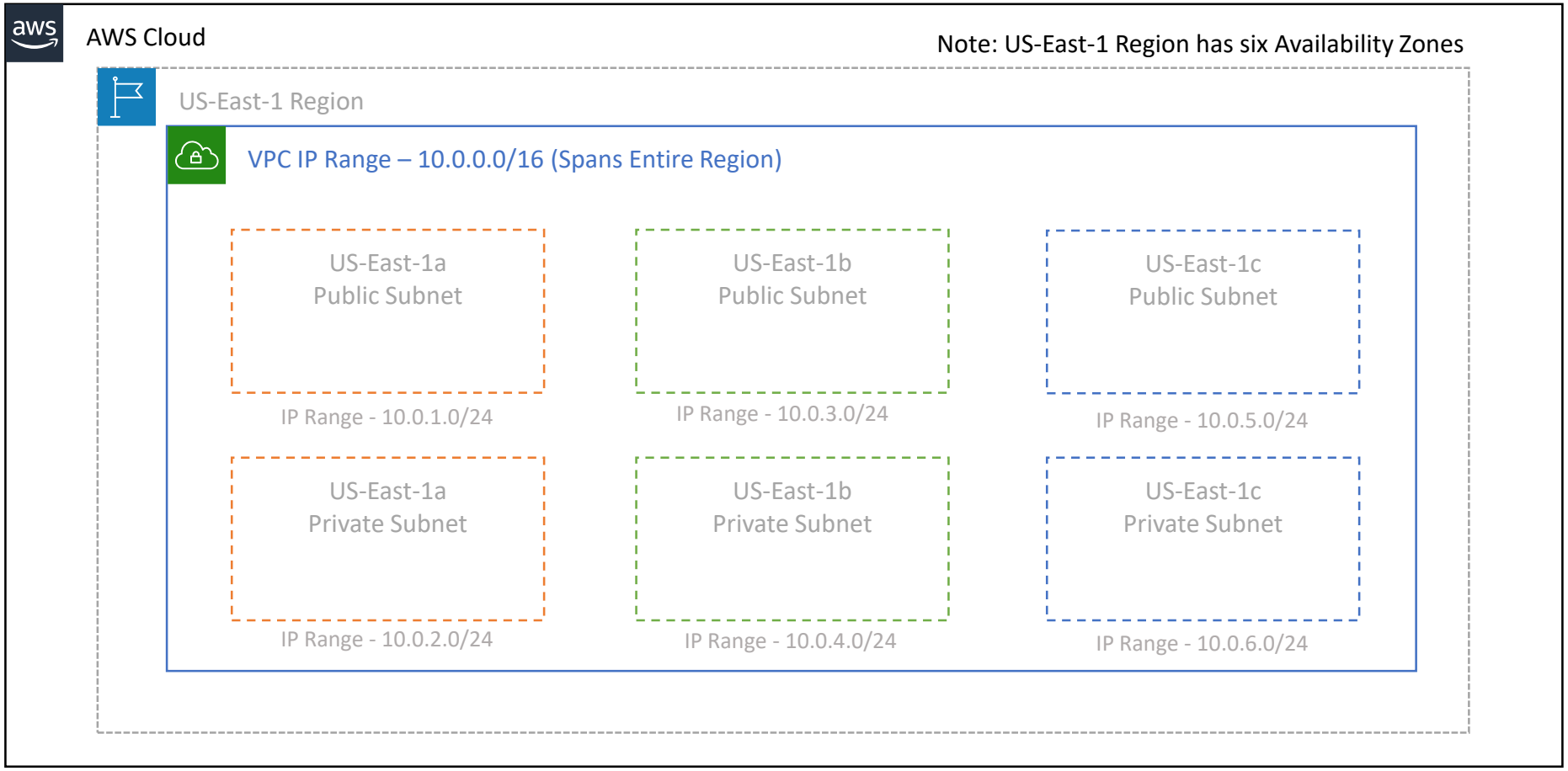

Private IP Ranges

10.0.0.0 - 10.255.255.255 (10/8 prefix)
172.16.0.0 - 172.31.255.255 (172.16/12 prefix)
192.168.0.0 - 192.168.255.255 (192.168/16 prefix

Amazon VPC

4 Types of VPCs

- VPC with a single public subnet
- VPC with a Public and Private Subnet (NAT)
- VPC with a Public and Private Subnet and Hardware VPN Access
- VPC with a Private Subnet and Hardware VPN Access

Next Video

Amazon Default VPCs