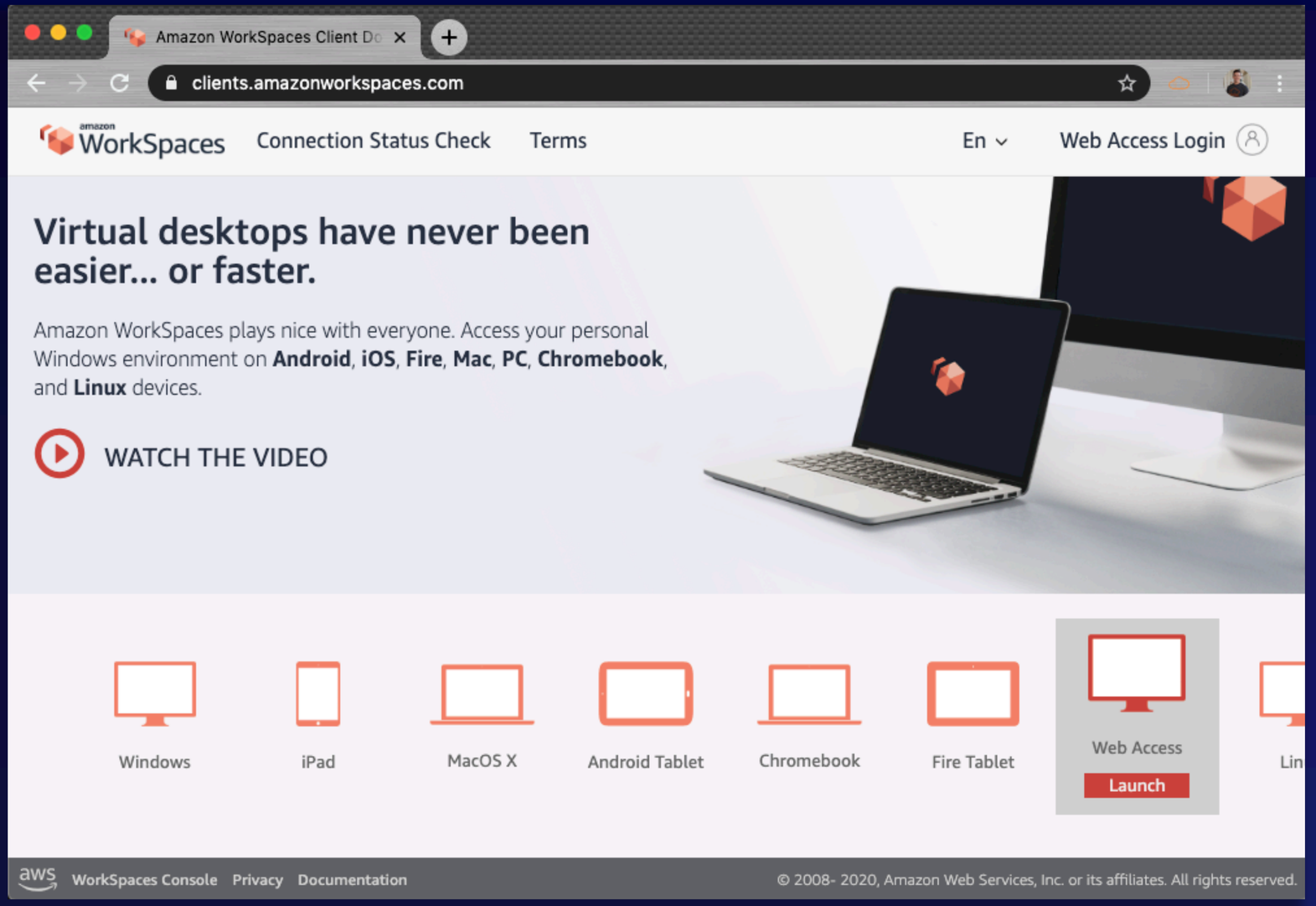
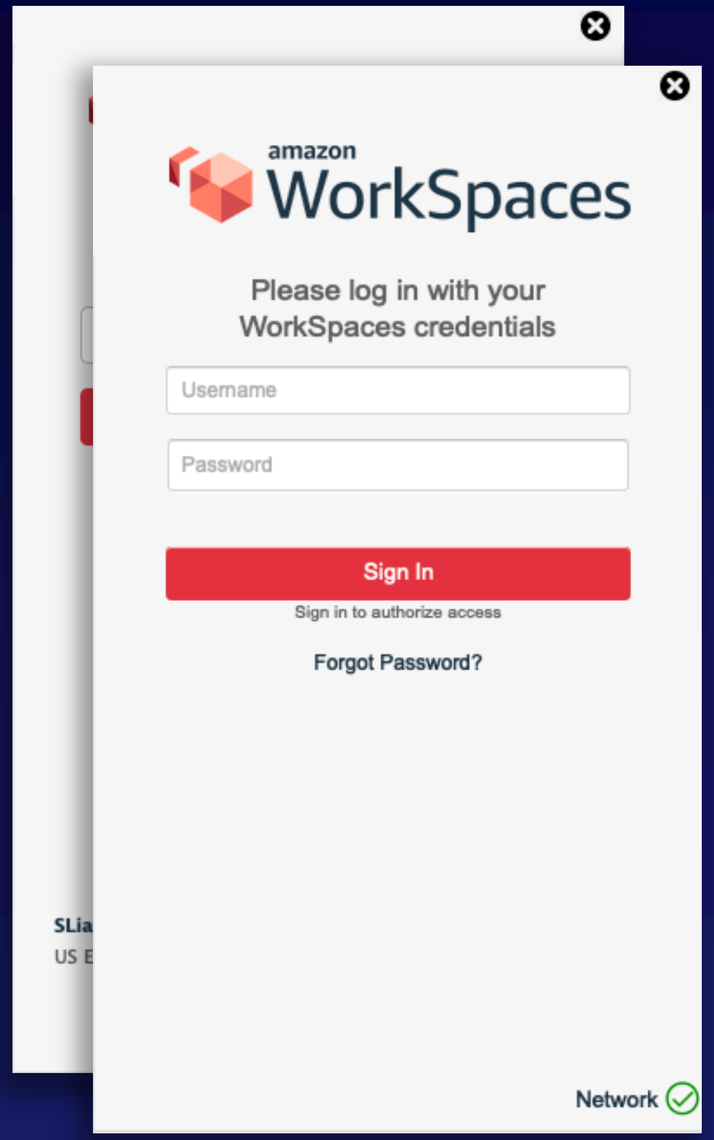
Amazon WorkSpaces

Brock Tubre

TECHNICAL INSTRUCTOR

End Users and WorkSpaces





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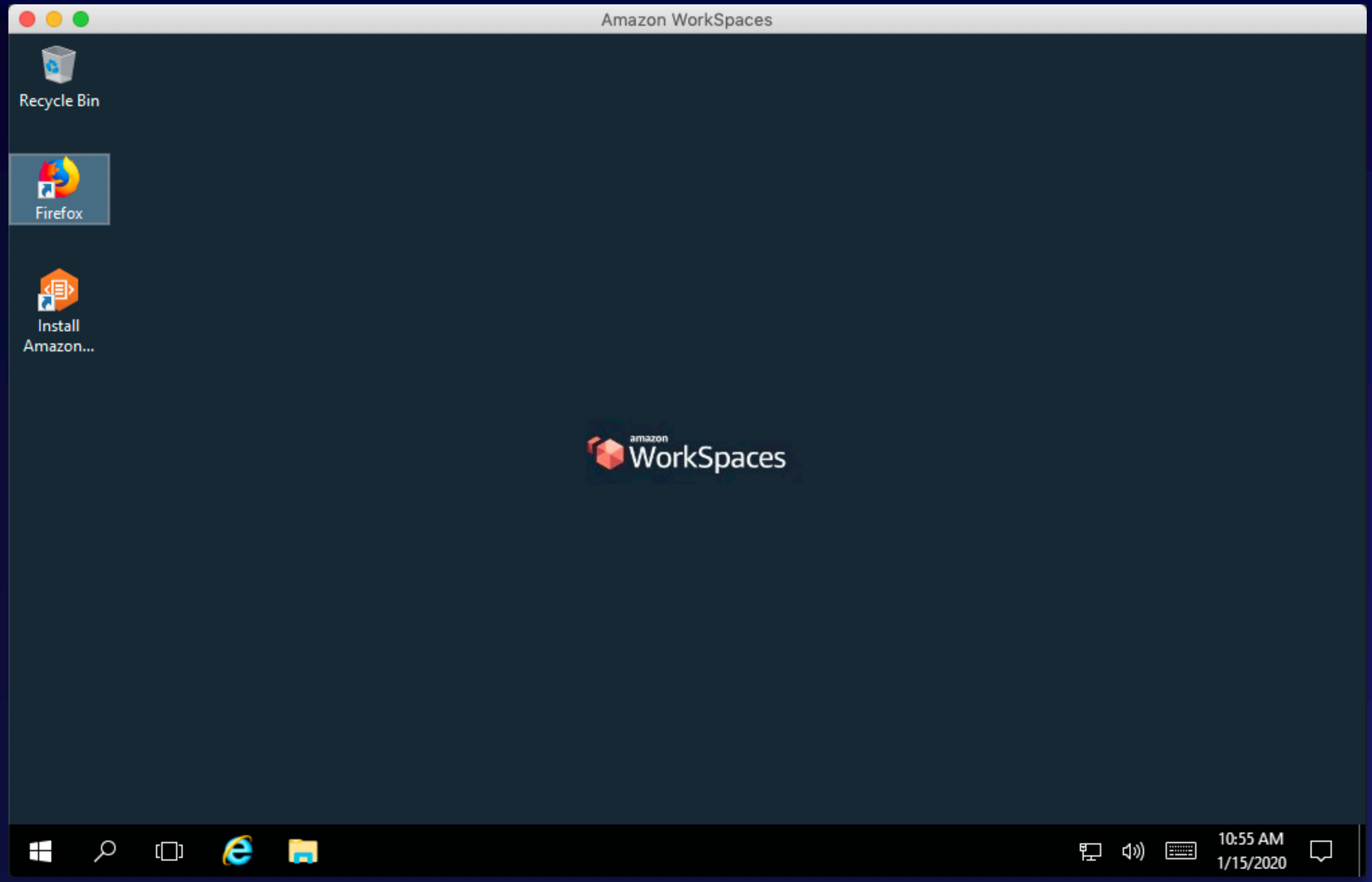
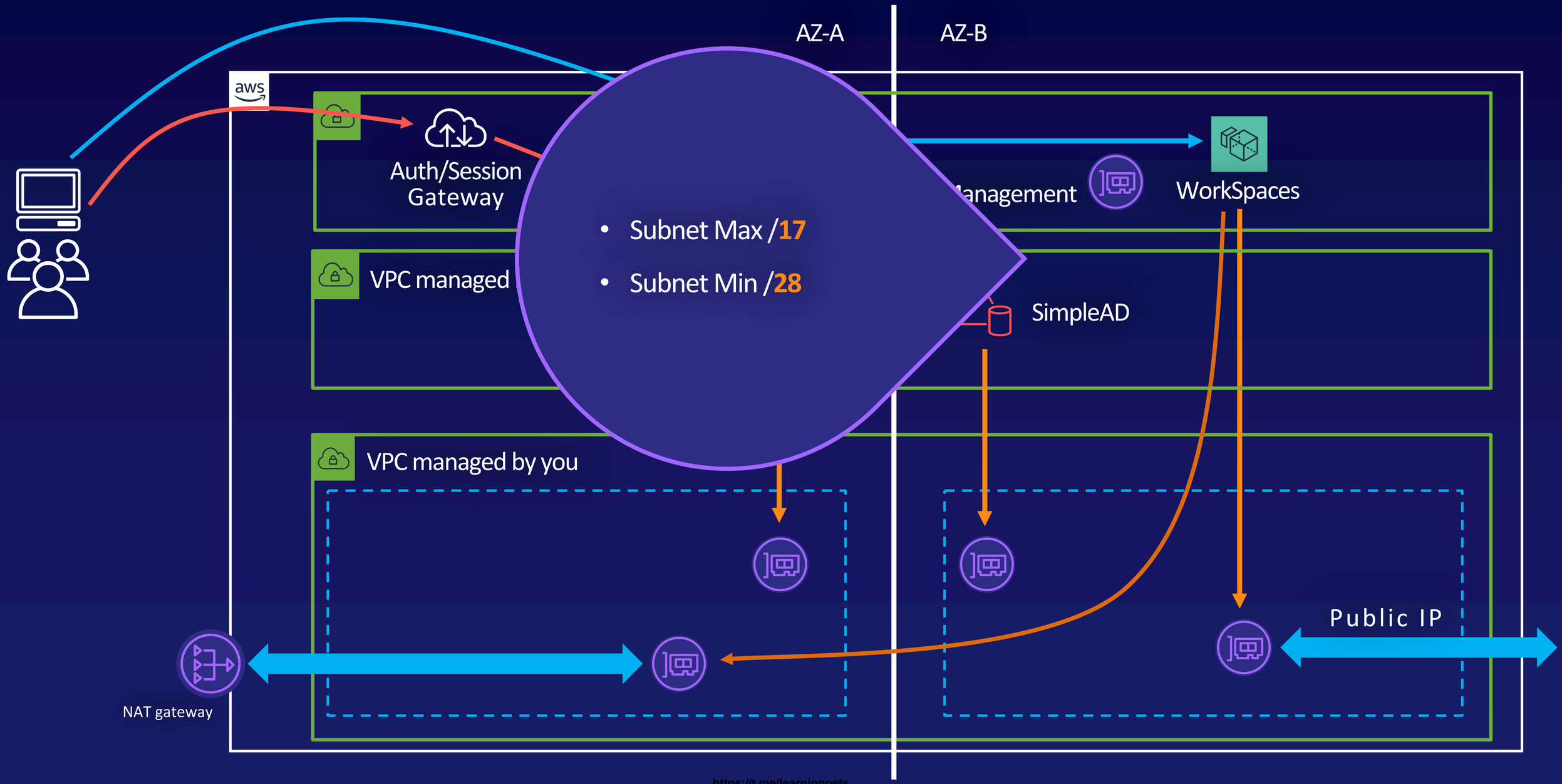


Amazon WorkSpaces Architecture



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3 Exam Tips

1

Reserved IP Addresses

Remember that AWS reserves 5 IP addresses in each subnet and the **directory service will reserve 1 address** in each subnet.

2

Understand Product Specific Limits

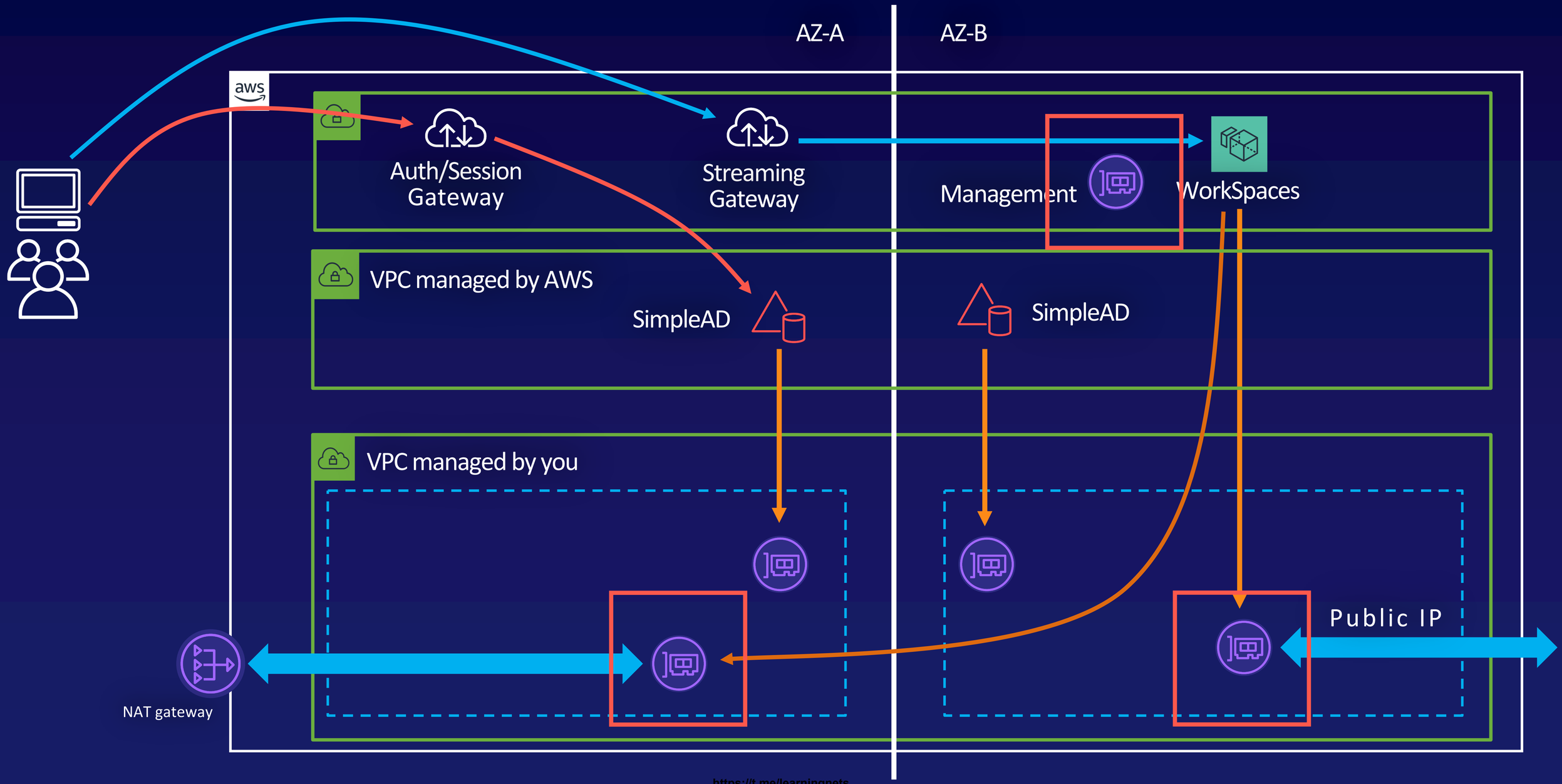
You'll be asked to determine a subnet size or subnet mask needed. Be aware of the product specific limitations.

3

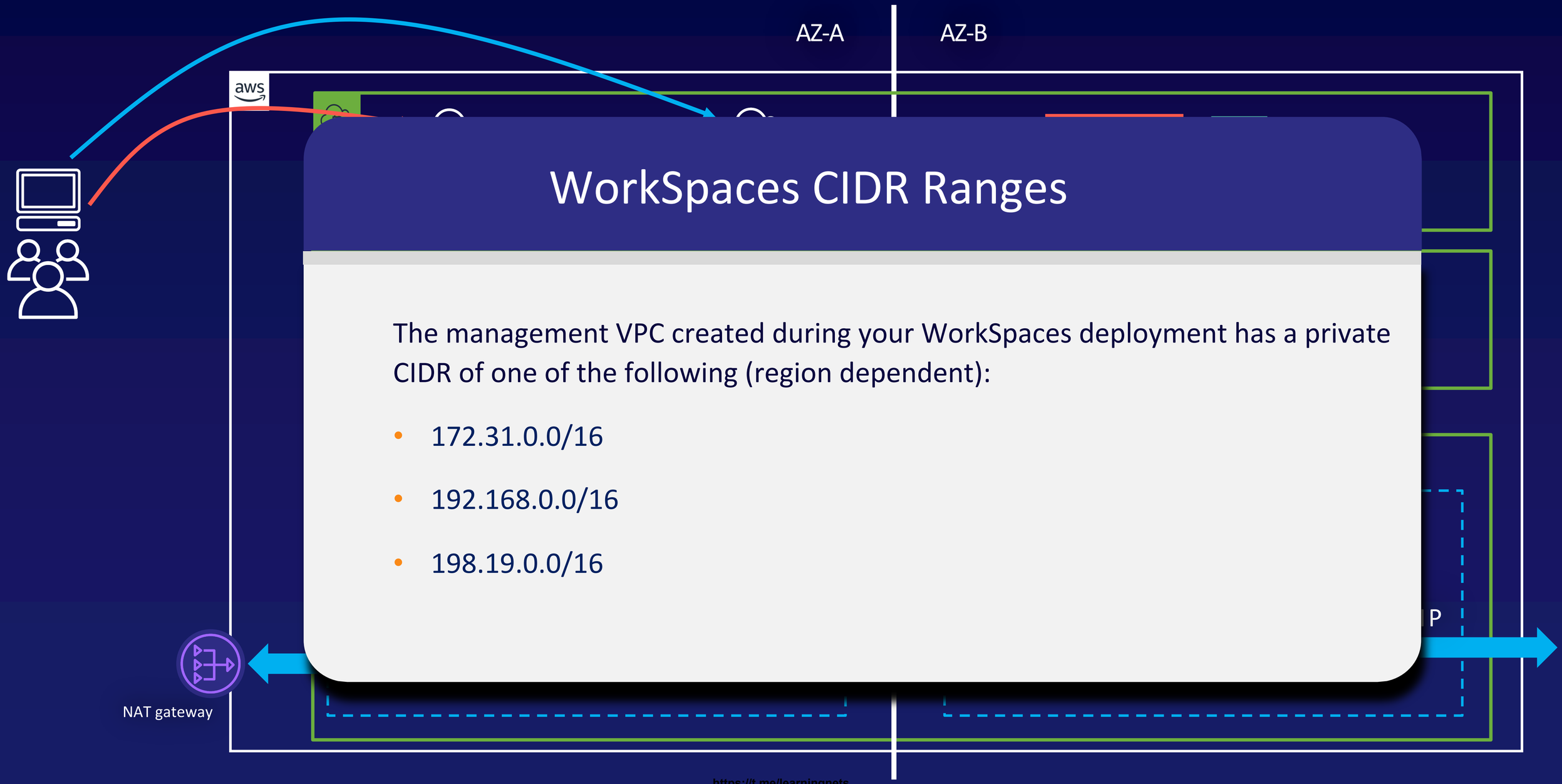
Diagnose WorkSpaces Issues

Be aware of the number of WorkSpaces needed and whether or not you'll be using a public IP address or using NAT.

Amazon WorkSpaces Architecture



Amazon WorkSpaces Architecture

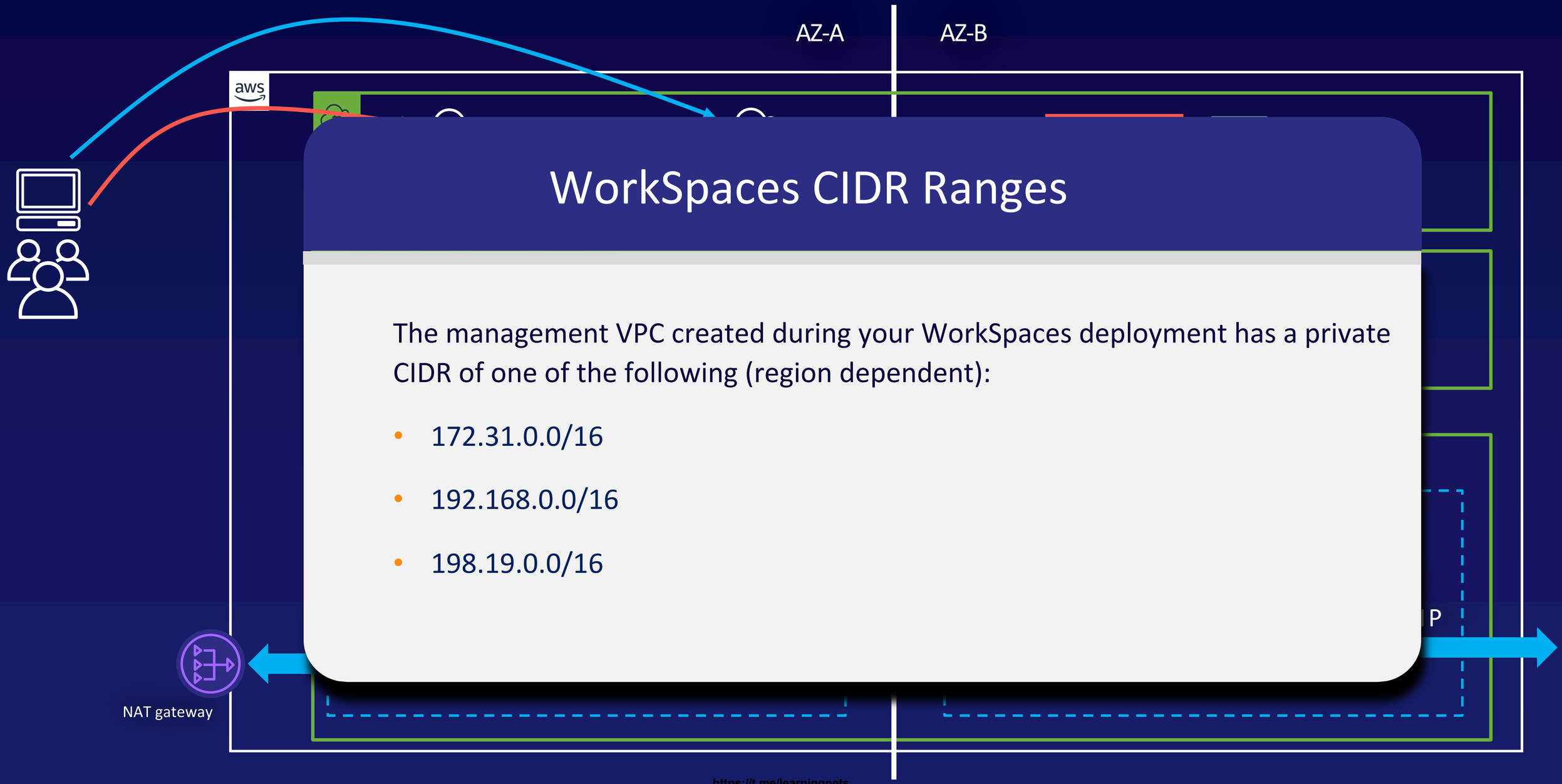


WorkSpaces CIDR Ranges

The management VPC created during your WorkSpaces deployment has a private CIDR of one of the following (region dependent):

- 172.31.0.0/16
- 192.168.0.0/16
- 198.19.0.0/16

Amazon WorkSpaces Architecture



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Requirements for Amazon WorkSpaces

1

Client Application

You'll need a supported client device.

2

You'll Need A VPC

To deploy WorkSpaces, a minimum of two subnets with a multi-AZ setup is required. Each WorkSpace will have a network interface in one of the subnets.

3

Directory Service

You can use AWS Directory Service or Active Directory to manage users. On-premise Active Directory can also be used.

4

Security Groups

Network access to and from WorkSpaces can be controlled using security groups.

Directory Services

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Simple AD	**Small** – 500 users, 2,000 objects. **Large** – 5,000 users, 20,000 objects.

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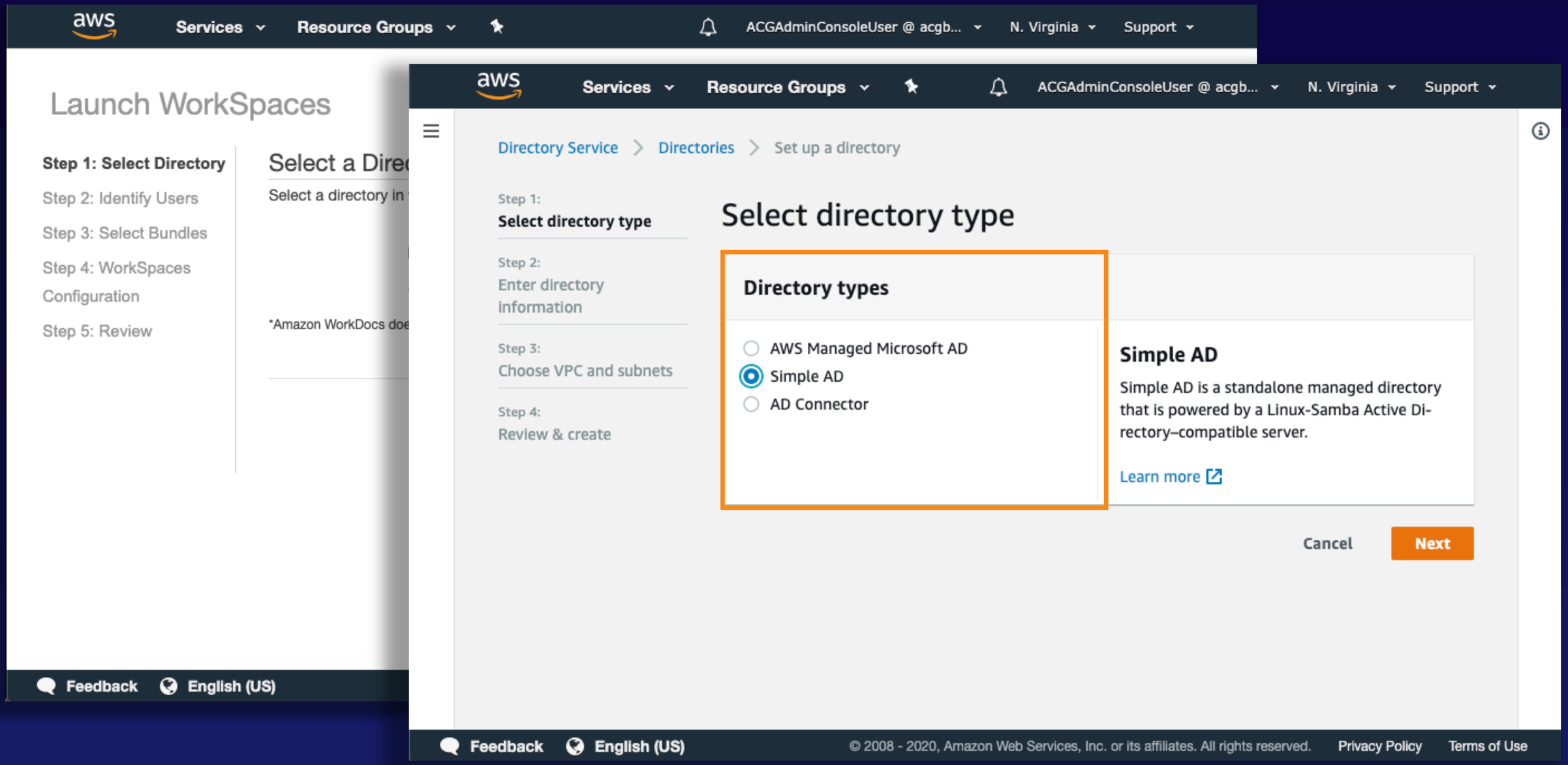
AWS Managed Microsoft AD	Easily use your Active Directory aware workloads to use managed Microsoft Active Directory.
Simple AD	**Small** – 500 users, 2,000 objects. **Large** – 5,000 users, 20,000 objects.
AD Connector	A proxy for redirecting requests to existing Microsoft Active Directory without caching information.

Launching a WorkSpace



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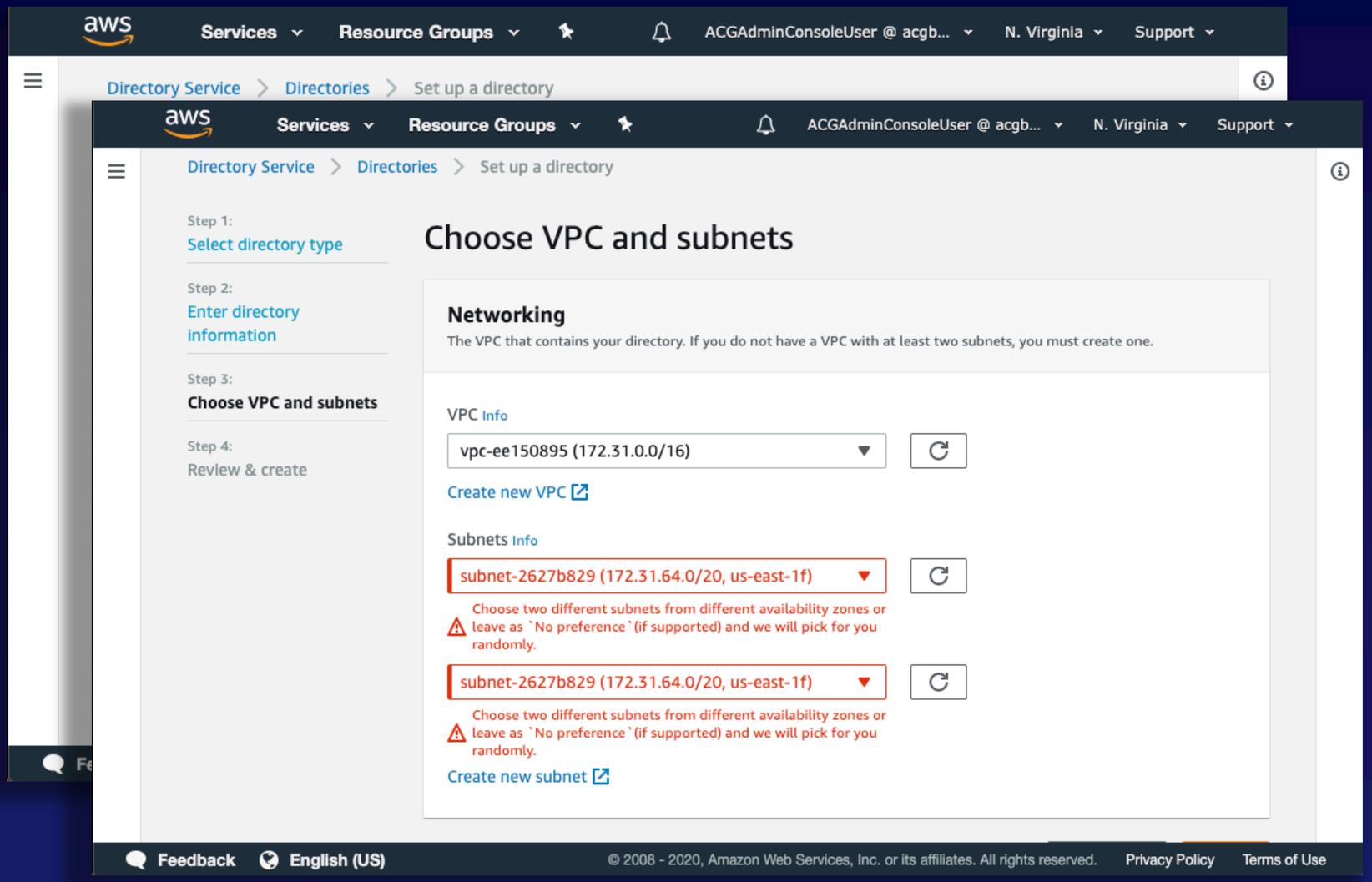
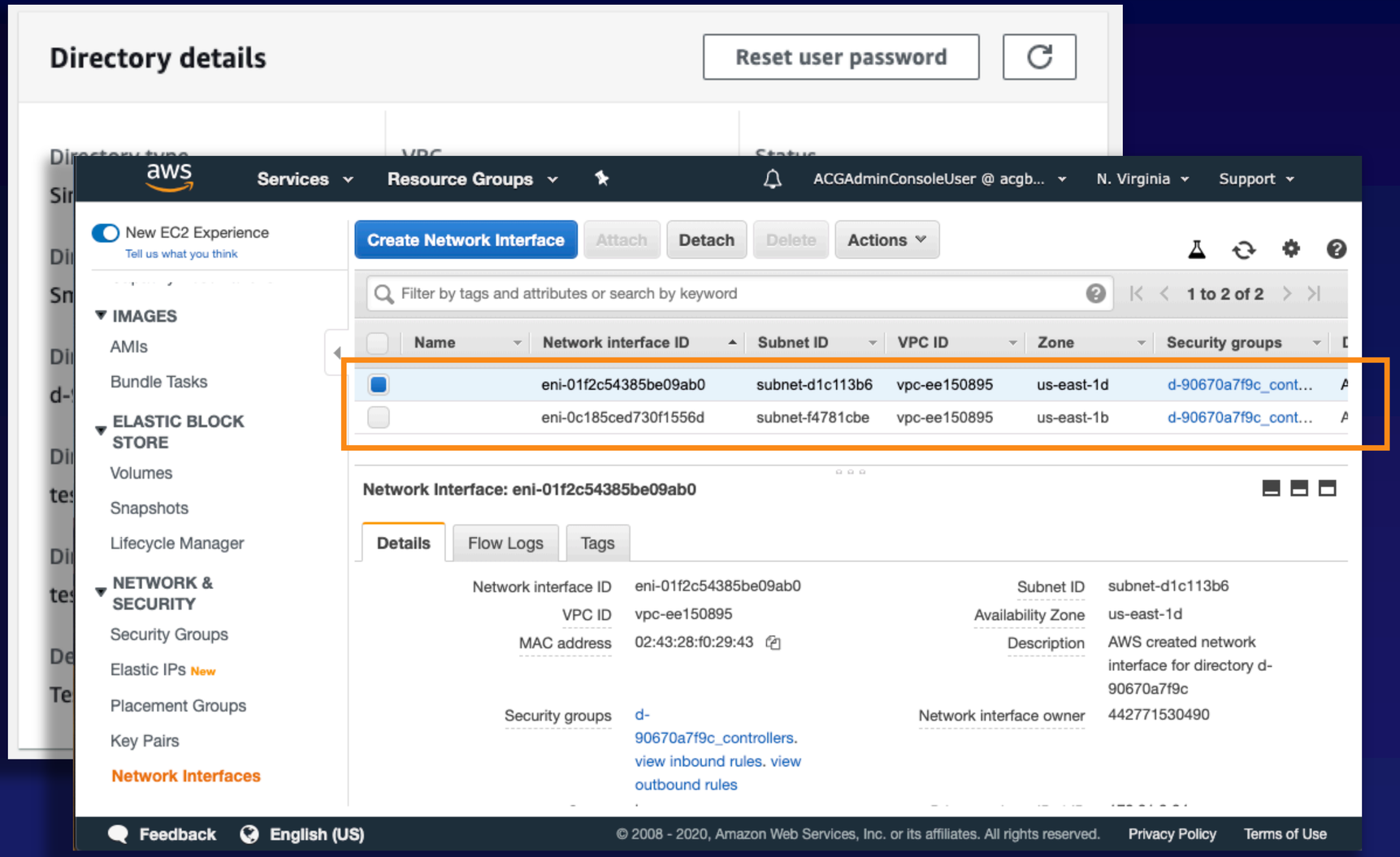


- Directory Service is associated with **two** subnets – in **two** AZs.
- Multiple directories can be associated with each subnet pair.

Launching a WorkSpace



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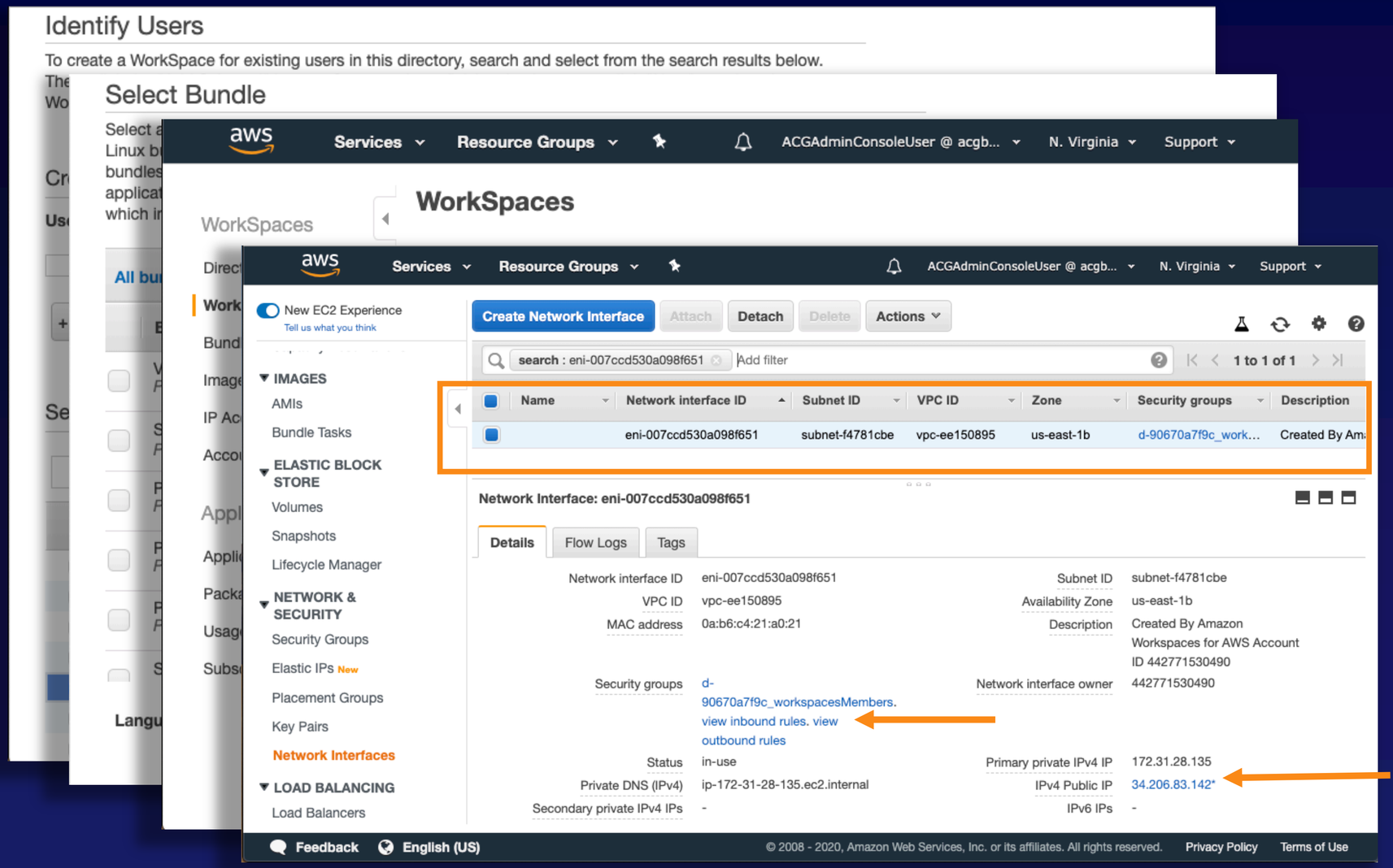
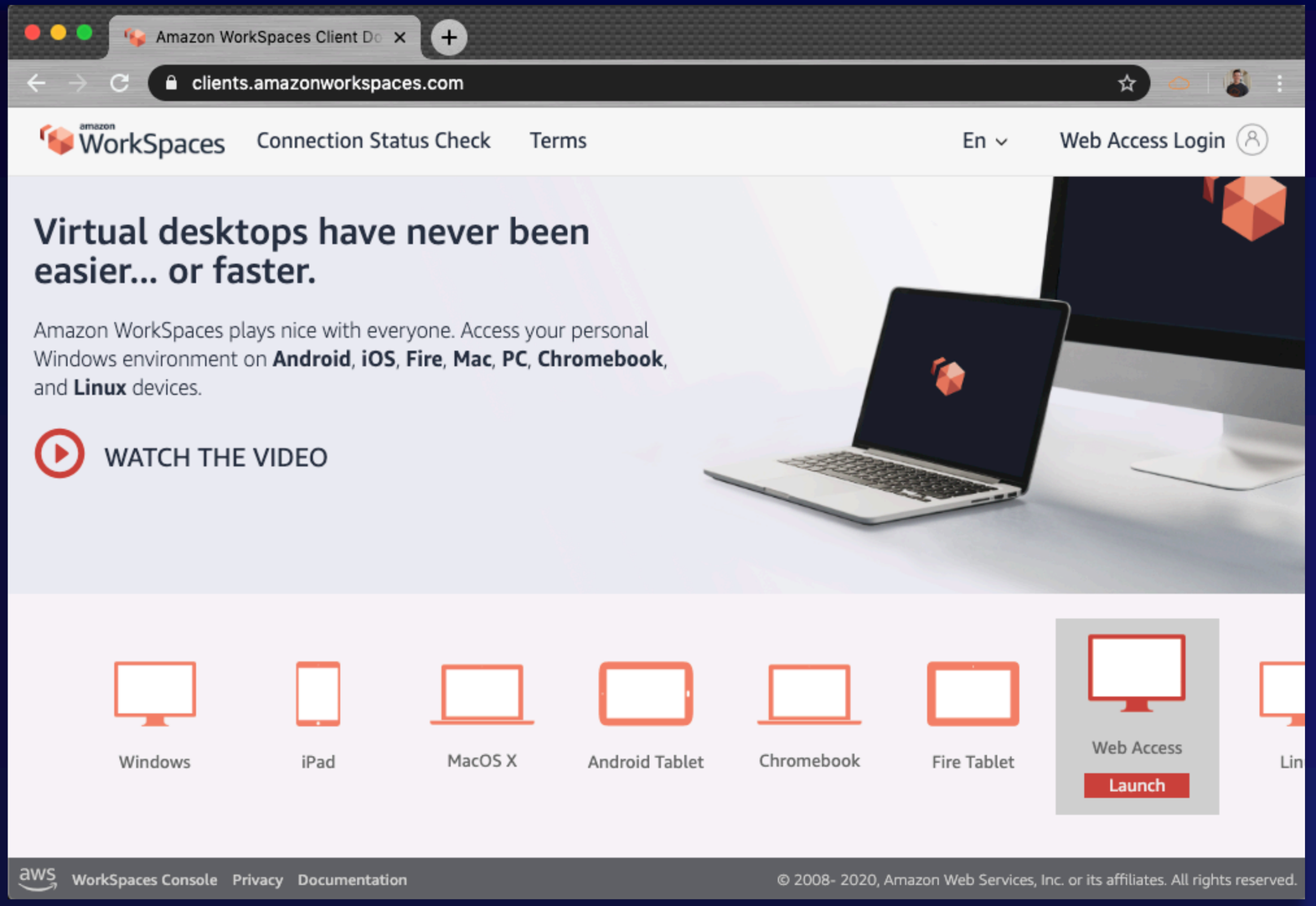
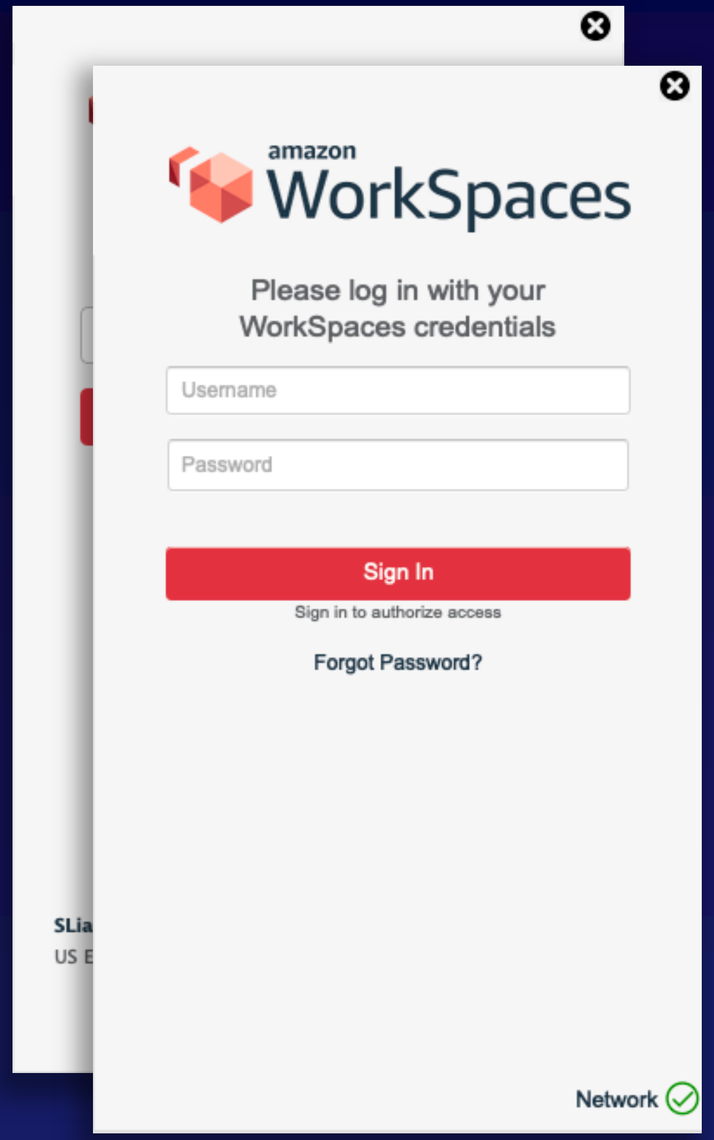


- A WorkSpace is linked to **one** directory.
- One IP address per subnet.
- A WorkSpace is in one subnet/AZ.

End Users WorkSpace





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