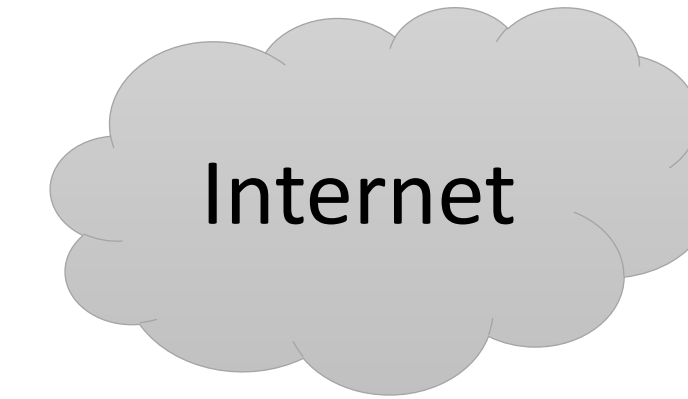
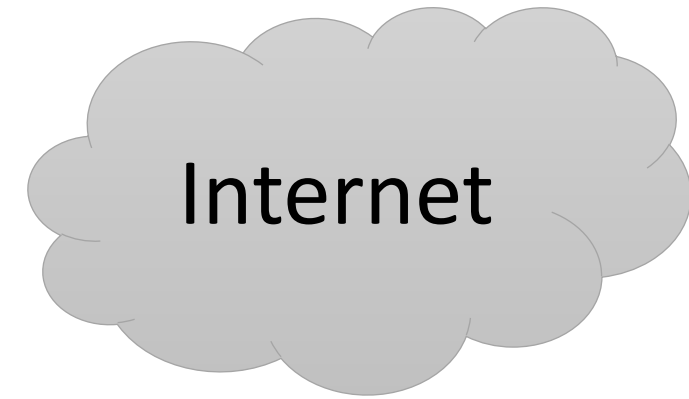


AWS Immersion Day LAB 0

DEPLOY AVIATRIX IN YOUR LAB ACCOUNT

Brad Hedlund
Principal Solutions Architect,
Aviatrix Systems

Lab 0 Before



In this Immersion Day we will be using two AWS regions (us-east-1 and us-west-2)

Right now, your lab account has nothing.
No instances. No VPCs

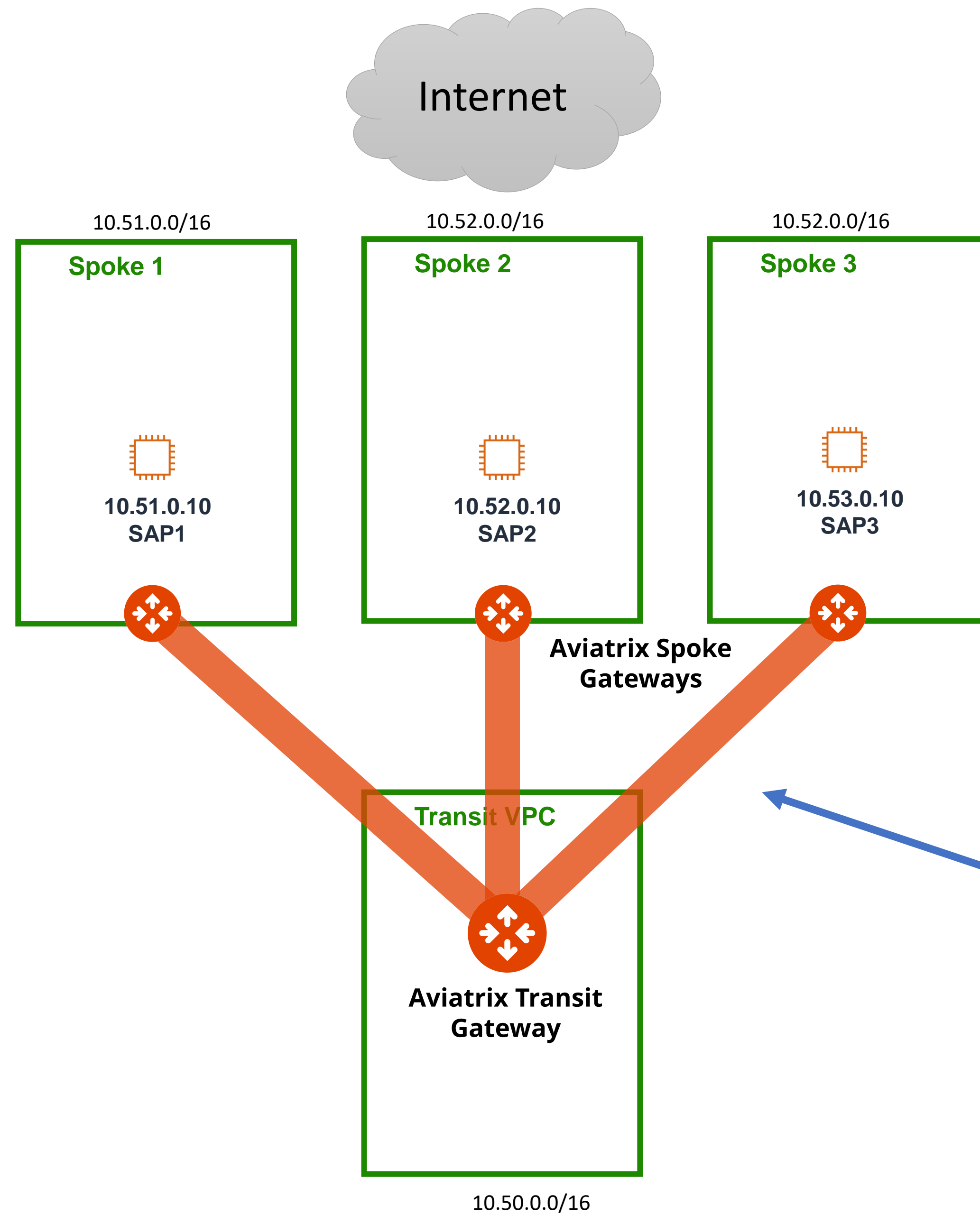
AWS us-west-2

AWS us-east-1

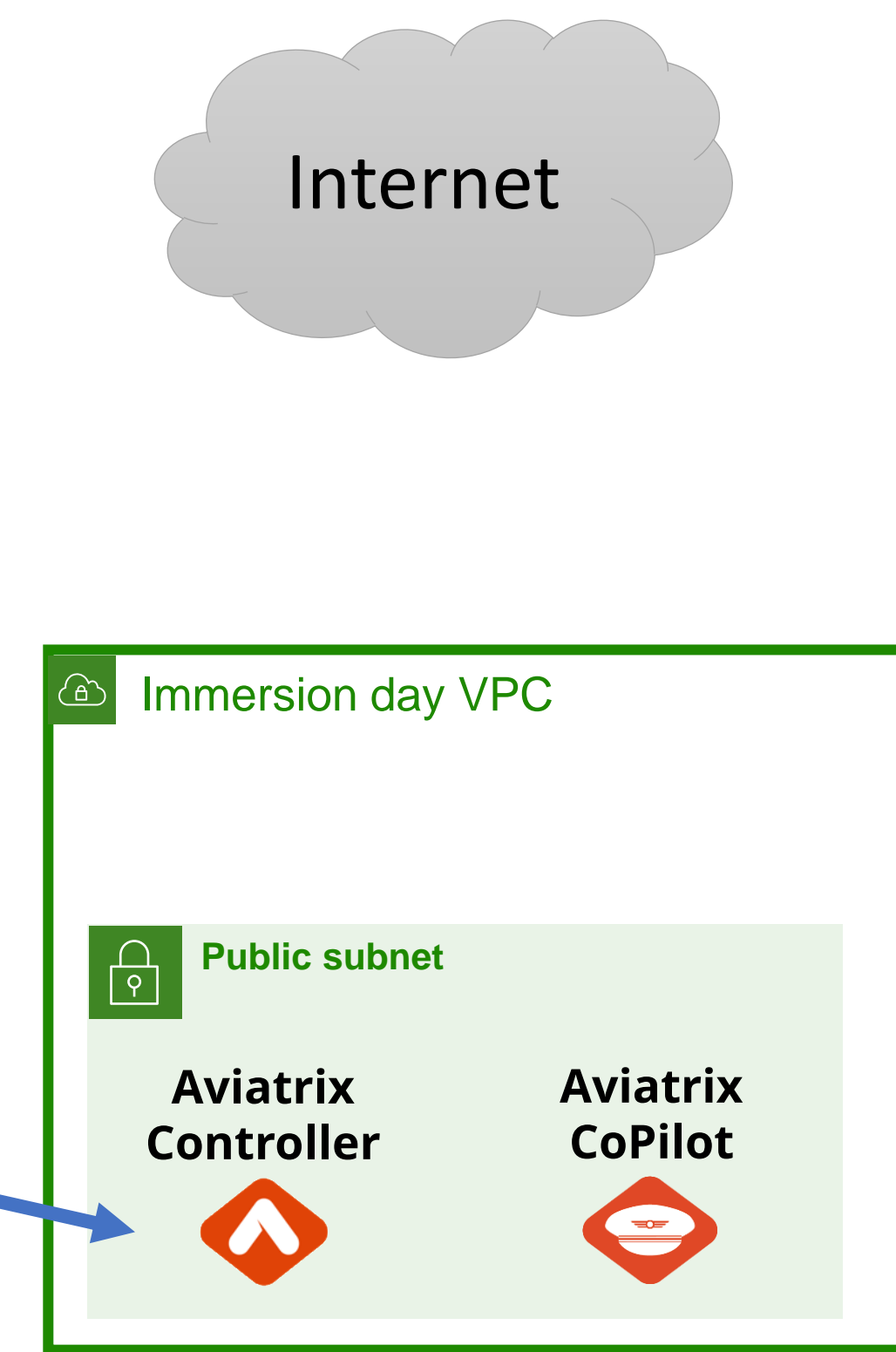
Lab 0 After

In this Lab you will deploy Aviatrix Controller and Copilot in us-east-1 using AWS CloudFormation.

The Aviatrix Controller will then deploy VPCs and Aviatrix Gateways in us-west-2 using Terraform.



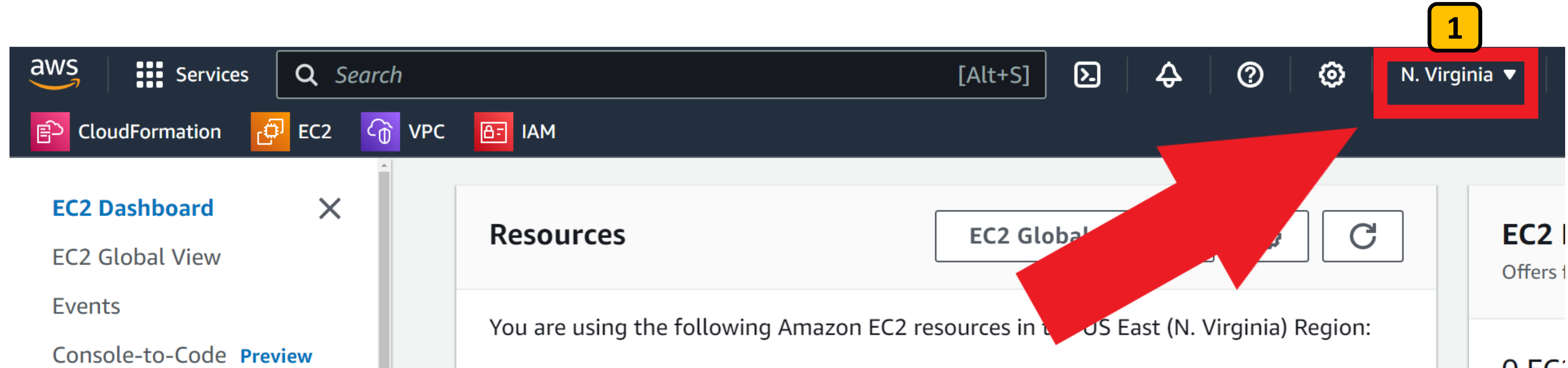
AWS us-west-2



AWS us-east-1

Lab 0: Step 0.1

Switch to US-EAST-1 region



Make sure your AWS Console is in the
us-east-1 **N. Virginia** region. 1

Lab 0: Step 0.2

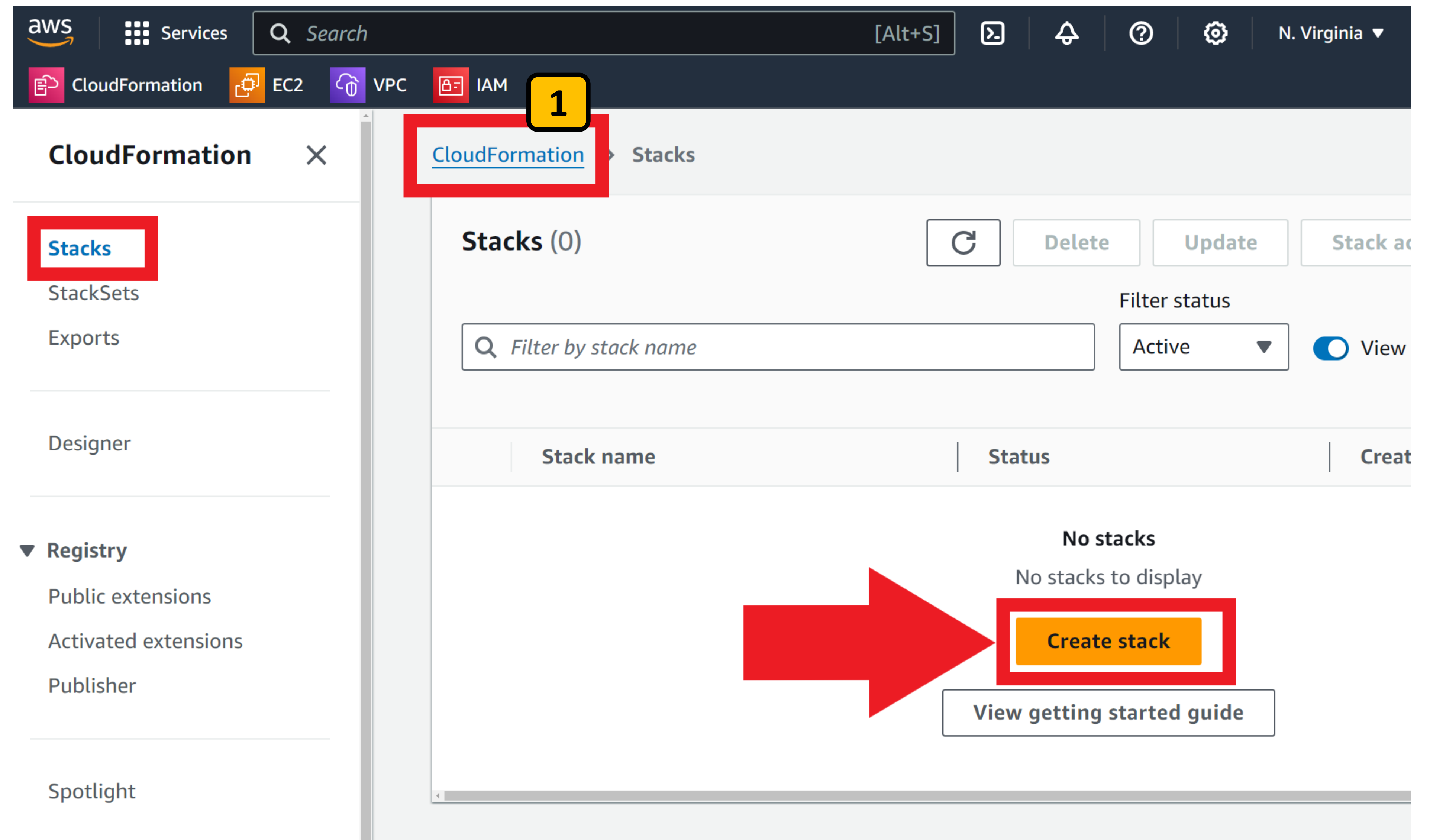
Create the stack

Make sure your AWS Console is in the us-east-1 **N. Virginia** region.

From the AWS Console go to the **CloudFormation** service. **1**

Select **Stacks** **2**

Select **Create stack** **3**



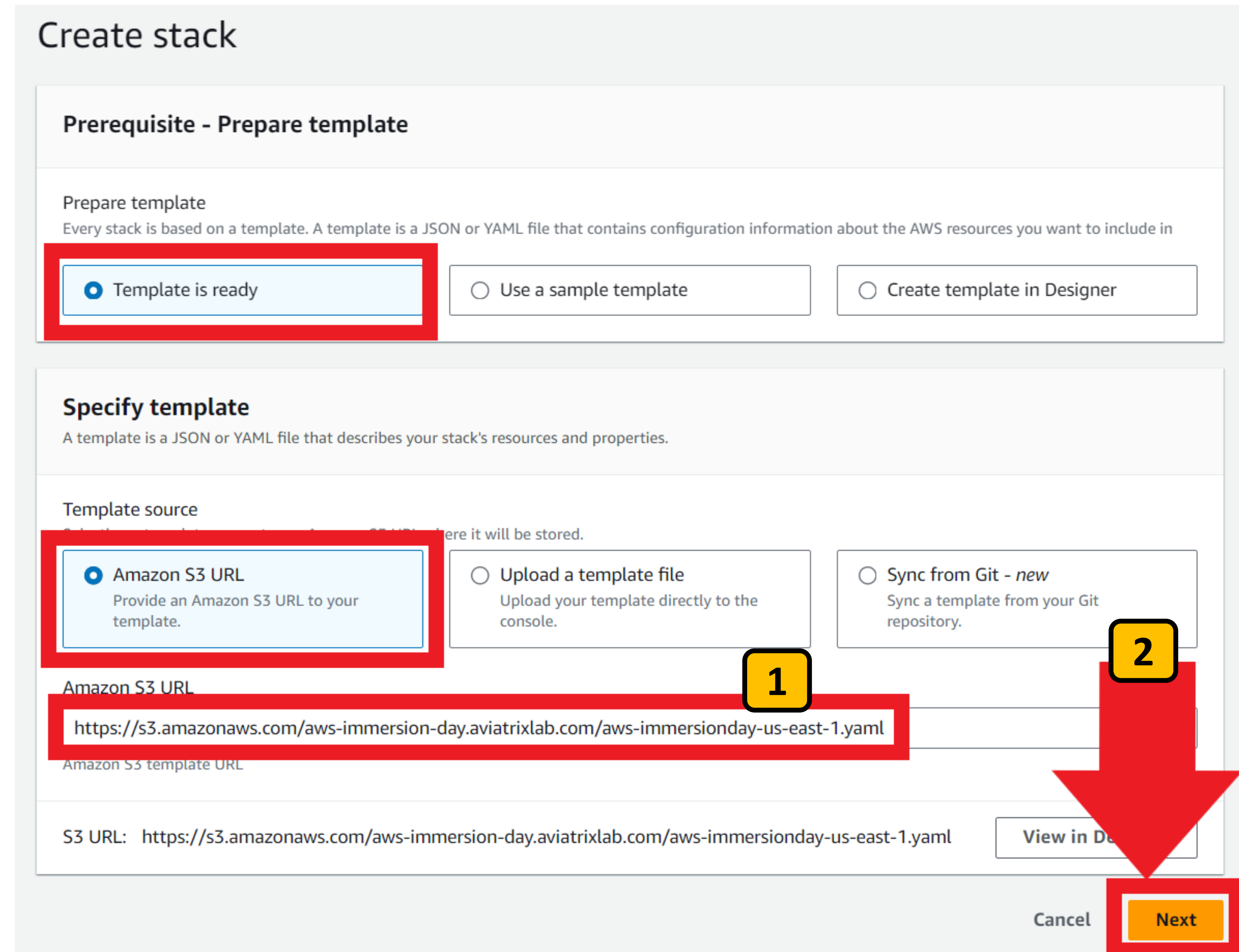
Lab 0: Step 0.3

Provide the stack URL

Keep the default settings of **Template is ready**, and **Amazon S3 URL**.

Enter the URL below in the Amazon S3 URL input field. **1**

Select **Next** **2**



Create stack

Prerequisite - Prepare template

Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in

☒ Template is ready ☐ Use a sample template ☐ Create template in Designer

Specify template
A template is a JSON or YAML file that describes your stack's resources and properties.

Template source
Select a source for the template. The template will be stored in the specified location.

☒ Amazon S3 URL
Provide an Amazon S3 URL to your template.

☐ Upload a template file
Upload your template directly to the console.

☐ Sync from Git - new
Sync a template from your Git repository.

Amazon S3 URL **1**
https://s3.amazonaws.com/aws-immersion-day.aviatrixlab.com/aws-immersionday-us-east-1.yaml
Amazon S3 template URL

S3 URL: https://s3.amazonaws.com/aws-immersion-day.aviatrixlab.com/aws-immersionday-us-east-1.yaml View in Designer

Cancel **Next** **2**

1

<https://s3.amazonaws.com/aws-immersion-day.aviatrixlab.com/aws-immersionday-us-east-1.yaml>

Lab 0: Step 0.4

Name the stack

Name the stack
immersion-day 1

Select **Next** 2

Specify stack details

Provide a stack name

Stack name

immersion-day

(A-Z and a-z), numbers (0-9), and dashes (-).

Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

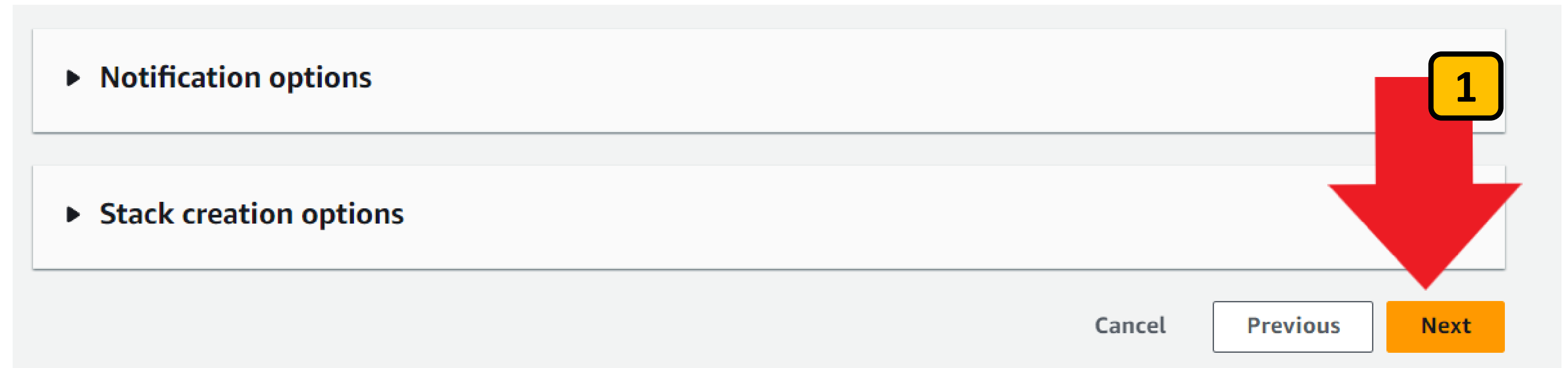
No parameters

There are no parameters defined in your template

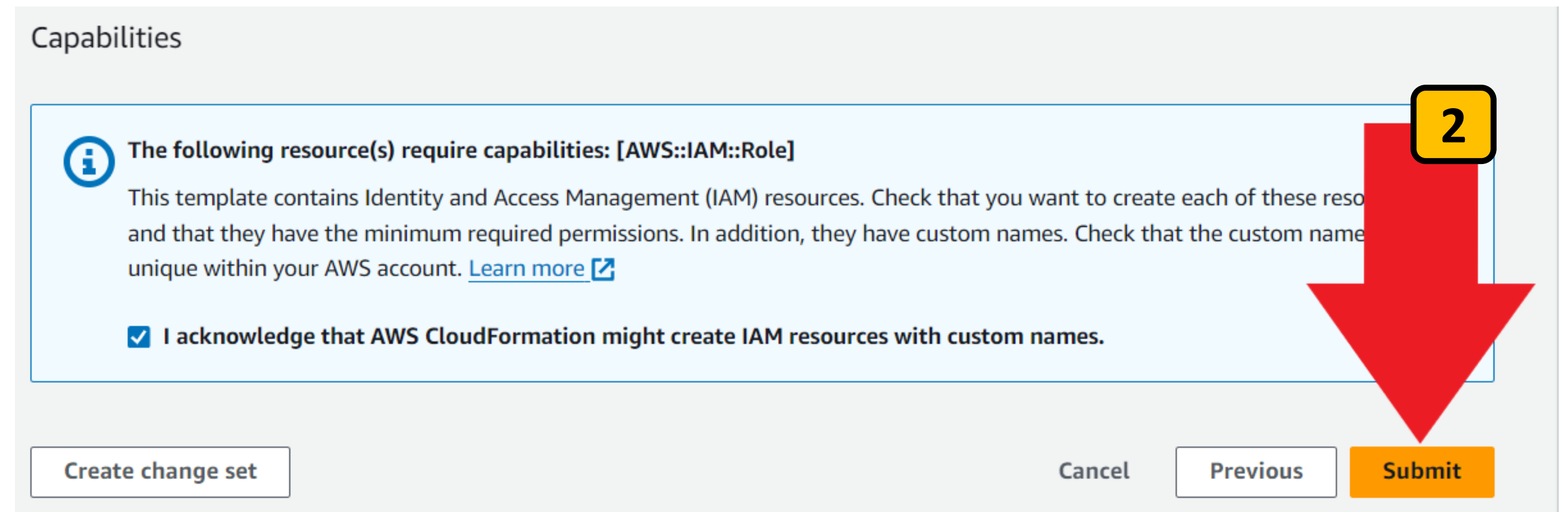
Cancel Previous **Next** 2

Lab 0: Step 0.5

On the next Stack Options page just scroll down and click **Next** 1



On the next Stack Review page just scroll down, select the I acknowledge checkbox and click **Submit** 2



Lab 0: Step 0.4

Observe the stack deployment

On the next page you'll see your stack deploying if you select the **Events** tab

The deployment will take about 30 minutes to complete.

immersion-day

⚙️

✕

Delete

Update

Stack actions ▾

Create stack ▾

<

Stack info

Events

Resources

Outputs

Parameters

Template

Change s

>

Events (52)

Detect root cause

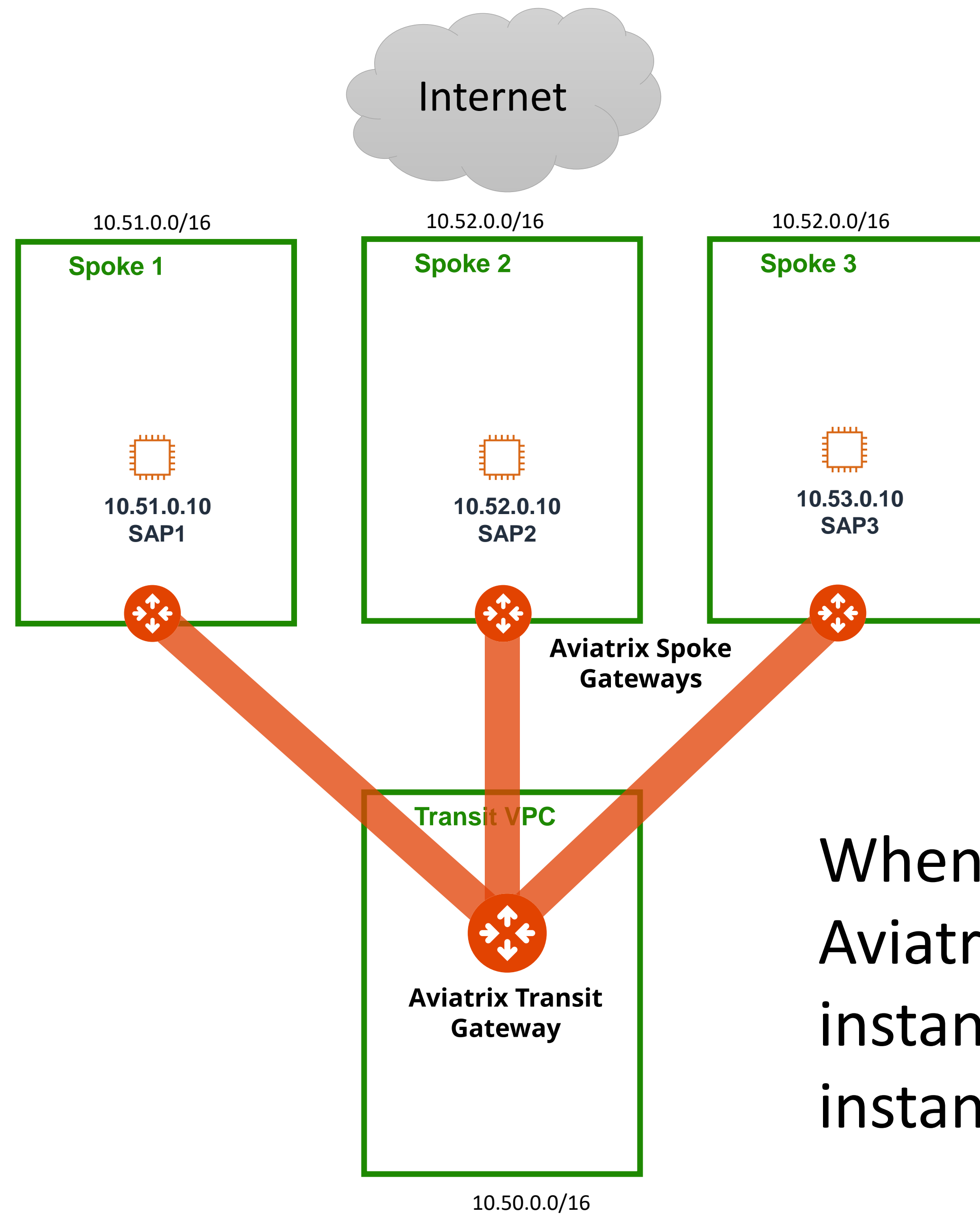
↺

🔍 Search events

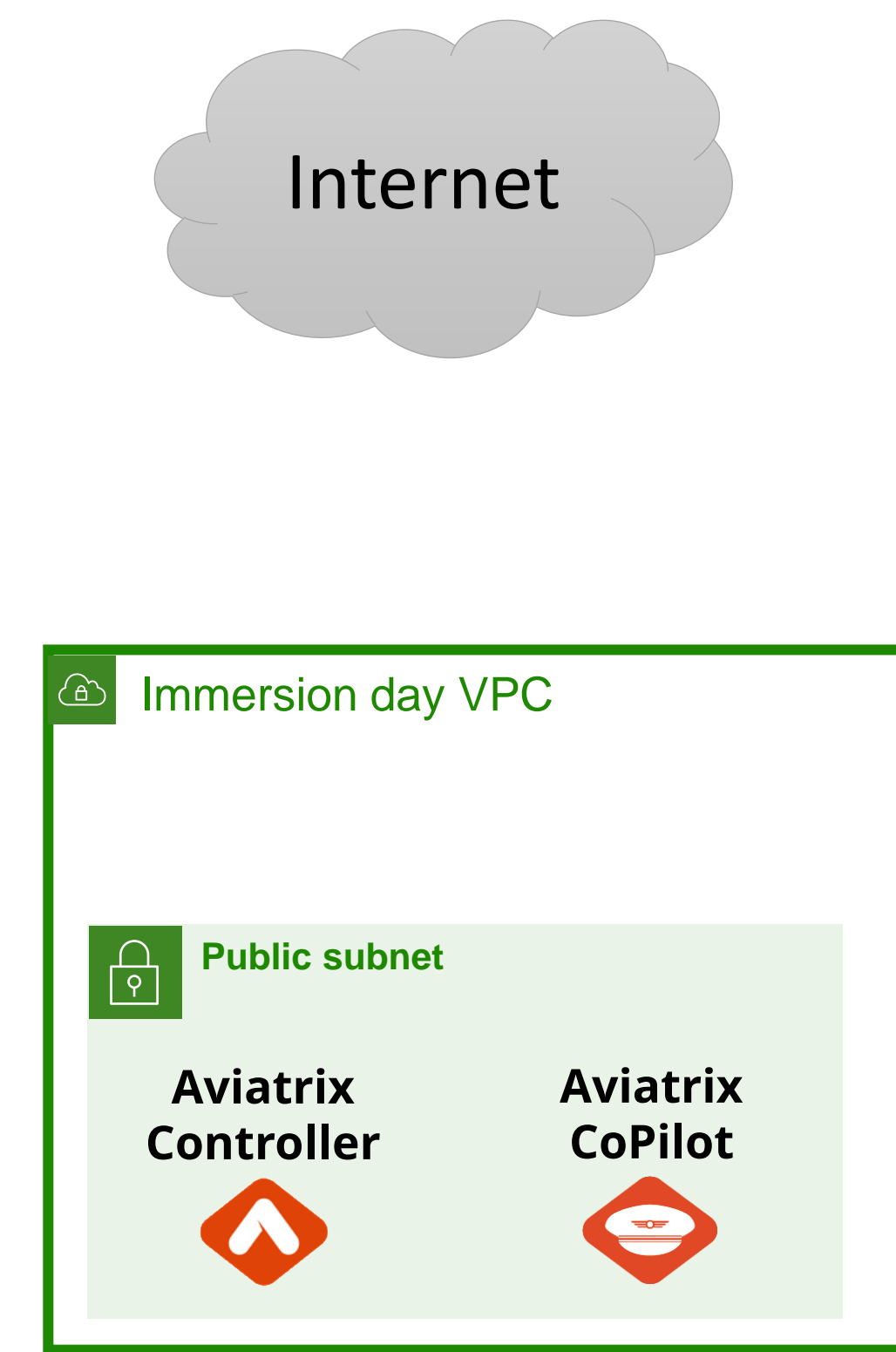
⚙️

Timestamp ▾	Logical ID	Status	Status reason
2023-12-12 17:54:27 UTC-0600	AviatrixController	📘 CREATE_IN_PROGRESS	Resource creation Initiated
2023-12-12 17:54:25 UTC-0600	AviatrixController	📘 CREATE_IN_PROGRESS	-
2023-12-12 17:54:24 UTC-0600	AviatrixCopilotEIP	✅ CREATE_COMPLETE	-
2023-12-12 17:54:07 UTC-0600	AviatrixCopilotEIP	📘 CREATE_IN_PROGRESS	Resource creation Initiated
2023-12-12 17:54:06 UTC-0600	AviatrixCopilotEIP	📘 CREATE_IN_PROGRESS	-
2023-12-12 17:54:04 UTC-0600	AviatrixCopilot	✅ CREATE_COMPLETE	-
2023-12-12 17:53:49 UTC-0600	CreateAviatrixAssumeRolePolicy	✅ CREATE_COMPLETE	-

Lab 0 Done



AWS us-west-2



AWS us-east-1

When the deployment is done, you'll see the Aviatrix Controller and CoPilot as EC2 instances in us-east-1, and you'll see VPCs and instances, Aviatrix Gateways in us-west-2.