

Lab 2

Task 1: Create Your VPC

aws Services Search [Alt+S]

VPC > Your VPCs > Create VPC > Create VPC resources

Create VPC workflow

Success

Details

- ✓ Create VPC: [vpc-000f74bd1d46d4b45](#)
- ✓ Enable DNS hostnames
- ✓ Enable DNS resolution
- ✓ Verifying VPC creation: [vpc-000f74bd1d46d4b45](#)
- ✓ Create subnet: [subnet-027595fc829c013e2](#)
- ✓ Create subnet: [subnet-094dda273af887784](#)
- ✓ Create internet gateway: [igw-08c47d828df6696d1](#)
- ✓ Attach internet gateway to the VPC
- ✓ Create route table: [rtb-066260b4b1de02512](#)
- ✓ Create route
- ✓ Associate route table
- ✓ Allocate elastic IP: [eipalloc-05e234489f9993943](#)
- ✓ Create NAT gateway: [nat-061a0f0e5a978cf93](#)
- ✓ Wait for NAT Gateways to activate
- ✓ Create route table: [rtb-01790d0eed67dfd4f](#)
- ✓ Create route
- ✓ Associate route table
- ✓ Verifying route table creation

[View VPC](#)

Task 2: Create Additional Subnets

☑ You have successfully created 1 subnet: [subnet-0c42791f2b8e3a930](#)

Subnets (1) Info

Filter subnets

Subnet ID: [subnet-0c42791f2b8e3a930](#) Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4 addresses	Avail
<input type="checkbox"/>	lab-subnet-public2	subnet-0c42791f2b8e3a930	Available	vpc-000f74bd1d46d4b45 lab...	10.0.2.0/24	–	251	us-e...

☑ You have successfully created 1 subnet: [subnet-0ec1c34005df738e5](#)

Subnets (1) Info

Filter subnets

Subnet ID: [subnet-0ec1c34005df738e5](#) Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4 addresses	Avail
<input type="checkbox"/>	lab-subnet-private2	subnet-0ec1c34005df738e5	Available	vpc-000f74bd1d46d4b45 lab...	10.0.3.0/24	–	251	us-e...

☑ You have successfully updated subnet associations for [rtb-01790d0eed67dfd4f](#) / [lab-rtb-private1-us-east-1a](#).

Route tables (6) Info

Filter route tables

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input type="checkbox"/>	–	rtb-069d7207d2505c312	–	–	Yes	vpc-0f9d26385f73f2e0c Wor...	754902621597
<input type="checkbox"/>	–	rtb-09b89ad88d15e1943	–	–	Yes	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	lab-rtb-private1-us...	rtb-01790d0eed67dfd4f	2 subnets	–	No	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	Work Public Route ...	rtb-0f1b1264dd7cd2fc0	subnet-0bafba73303a2f...	–	No	vpc-0f9d26385f73f2e0c Wor...	754902621597
<input type="checkbox"/>	lab-rtb-public	rtb-066260b4b1de02512	subnet-027595fc829c0...	–	No	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	–	rtb-0b33786986eaa1b3f	–	–	Yes	vpc-09949185cd04c47d1	754902621597

You have successfully updated subnet associations for rtb-066260b4b1de02512 / lab-rtb-public.

Route tables (6) [Info](#)

Filter route tables

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Owner ID
<input type="checkbox"/>	-	rtb-069d7207d2505c312	-	-	Yes	vpc-0f9d26385f73f2e0c Wor...	754902621597
<input type="checkbox"/>	-	rtb-09b89ad88d15e1943	-	-	Yes	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	lab-rtb-private1-us...	rtb-01790d0eed67dfd4f	2 subnets	-	No	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	Work Public Route ...	rtb-0f1b1264dd7cd2fc0	subnet-0bafba73303a2f...	-	No	vpc-0f9d26385f73f2e0c Wor...	754902621597
<input type="checkbox"/>	lab-rtb-public	rtb-066260b4b1de02512	2 subnets	-	No	vpc-000f74bd1d46d4b45 lab...	754902621597
<input type="checkbox"/>	-	rtb-0b33786986eaa1b3f	-	-	Yes	vpc-09949185cd04c47d1	754902621597

Task 3: Create a VPC Security Group

Security group (sg-0db8d8e950859e762 | Web Security Group) was created successfully

Details

VPC > Security Groups > sg-0db8d8e950859e762 - Web Security Group

sg-0db8d8e950859e762 - Web Security Group

Details

Security group name Web Security Group	Security group ID sg-0db8d8e950859e762	Description Enable HTTP access	VPC ID vpc-000f74bd1d46d4b45
Owner 754902621597	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

Inbound rules | Outbound rules | Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (1/1)

Filter security group rules

<input checked="" type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
<input checked="" type="checkbox"/>	-	sg-0ef044270b649b2...	IPv4	HTTP	TCP	80	0.0.0.0/0	Permit web requests

Task 4: Launch a Web Server Instance

EC2 > Instances > Launch an Instance

Success

Successfully initiated launch of instance (i-039e5662705ca3c9b)

Launch log

Next Steps

Instances (2) [Info](#)

Find instance by attribute or tag (case-sensitive)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IF
<input type="checkbox"/>	Web Server 1	i-039e5662705ca3c9b	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-44-202-129-149.co...	44.202.129.149	-	-
<input type="checkbox"/>	Bastion Host	i-028e36cb1f6bce2e	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-3-238-188-83.com...	3.238.188.83	-	-

Technical Essentials

Not secure | ec2-44-202-129-149.compute-1.amazonaws.com

Dashboard | AWS Canvas | synthwave radio...

aws Load Test RDS

Meta-Data	Value
InstanceId	
Availability Zone	

Current CPU Load: 1%

End Lab



Region: us-east-1

Lab ID: arn:aws:cloudformation:us-east-

1:754902621597:stack/c79767a166591913991872t1w754902621597/a3aba5b0-e25b-11ed-a8ca-125e315dc717

Creation Time: 2023-04-23T21:51:13-0700

You may close this message box now. Lab resources are terminating ...