

# Amazon AWS I – Cloud Practitioner

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Term: Spring 2025

## Activity 1: Lab 2 - Build your VPC and Launch a Web Server

Paste screenshot of the AWS Management Console after completing each task.

### Task 1: Create Your VPC

The top screenshot shows the 'Create VPC' wizard in the AWS Management Console. The 'VPC settings' section on the left includes options for 'Resources to create' (VPC and more), 'Name tag auto-generation' (Auto-generate), 'IPv4 CIDR block' (10.0.0.0/16), and 'IPv6 CIDR block' (No IPv6 CIDR block). The 'Preview' section on the right shows a diagram of the VPC structure with two subnets: 'us-east-1a' (lab-subnet-public1-us-east-1a and lab-subnet-private1-us-east-1a) and two route tables: 'lab-rtb-public' and 'lab-rtb-private1-us-east-1a'. The bottom screenshot shows the 'Details' page for the created VPC 'vpc-0aba63a5952b8aa99 / lab-vpc'. The 'Details' section includes VPC ID, State (Available), Block Public Access (Off), DNS hostnames (Enabled), DNS resolution (Enabled), Main network ACL, IPv6 CIDR (Network border group), Tenancy (default), Default VPC (No), Network Address Usage metrics (Disabled), DHCP option set, IPv4 CIDR (10.0.0.0/16), Route 53 Resolver DNS Firewall rule groups, Main route table, IPv6 pool, and Owner ID.

### Task 2: Create Additional Subnets

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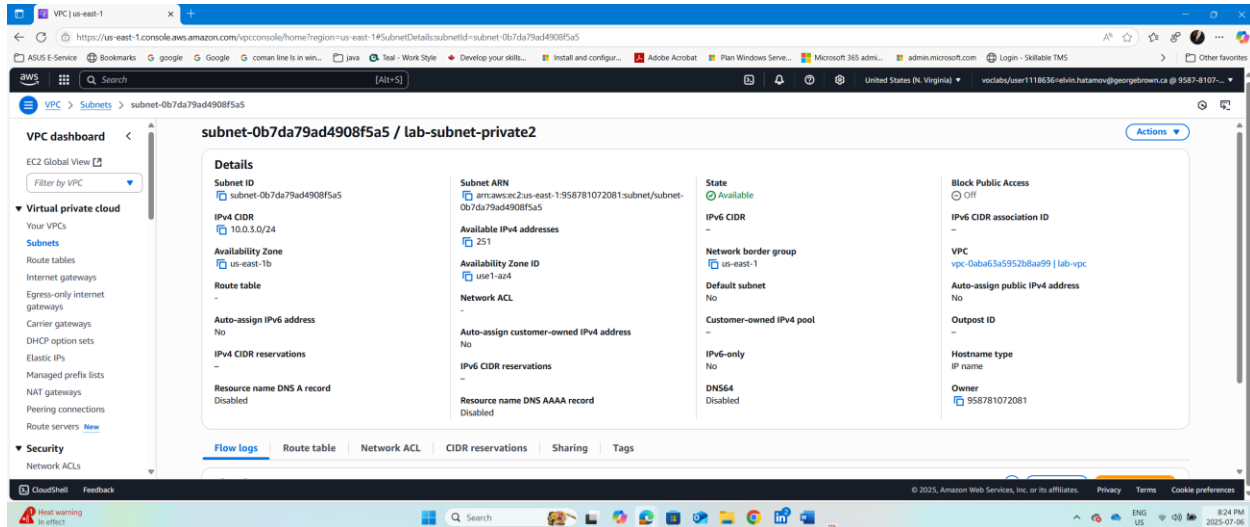
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The screenshot displays the AWS Management Console interface. The top navigation bar shows the user is logged in as 'vocalby/user1118636-elvin.hatamov@georgbrown.ca' in the 'United States (N. Virginia)' region. The main content area is divided into two sections. The left sidebar contains the 'VPC dashboard' with links to 'EC2 Global View', 'Virtual private cloud', and 'Security'. The 'Virtual private cloud' section is expanded, showing 'Subnets' as the selected option. The main pane displays a list of subnets under the heading 'Subnets (1) info'. A single subnet, 'lab-subnet-public2', is listed with its ID 'subnet-0ca5470e68188475a' and state 'Available'. Below the list, a 'Select a subnet' dropdown is visible. The bottom section of the screenshot shows the 'Details' page for the selected subnet. It provides comprehensive information about the subnet, including its ID, ARN, state, and various configuration options like 'Block Public Access', 'IPv6 CIDR', 'Network border group', and 'Default subnet'. The 'Details' page is organized into four columns: 'Subnet ID', 'Subnet ARN', 'State', and 'Block Public Access'. The 'Subnet ID' column lists the subnet's ID, ARN, and other identifiers. The 'Subnet ARN' column shows the ARN and the number of available IPv4 addresses. The 'State' column indicates the subnet is 'Available'. The 'Block Public Access' column shows it is 'Off'. The 'Details' page also includes tabs for 'Flow logs', 'Route table', 'Network ACL', 'CIDR reservations', 'Sharing', and 'Tags'.

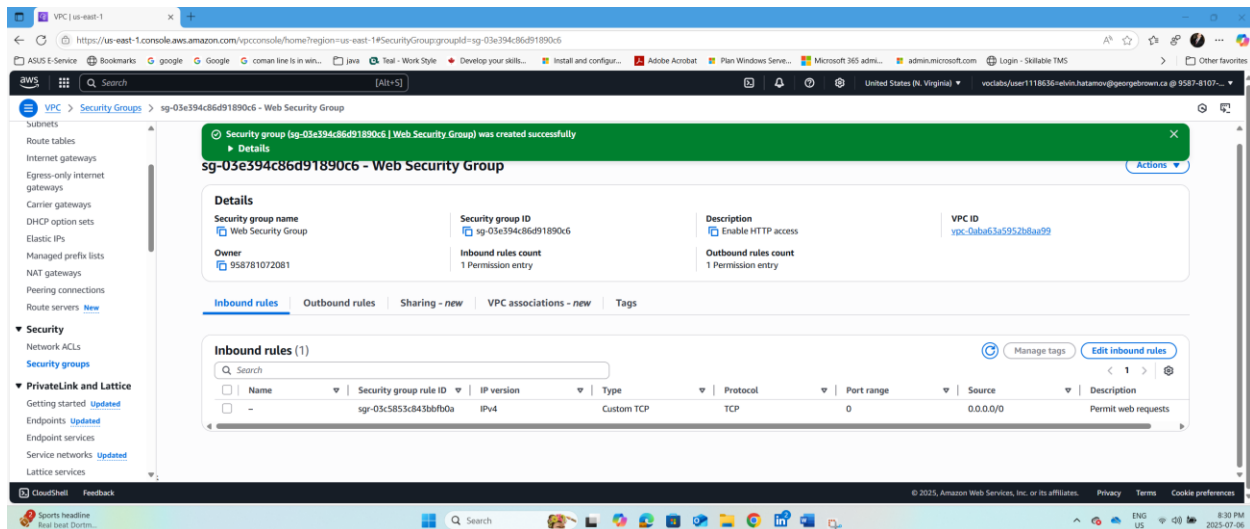
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## Task 3: Create a VPC Security Group



## Task 4: Launch a Web Server Instance

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The screenshot displays the AWS Management Console interface. The top navigation bar shows the AWS logo and the text "Load Test RDS". Below this, a table lists instance details:

Meta-Data	Value
InstanceId	i-098c2b97e8d3e8143
Availability Zone	us-east-1b

Below the table, it states "Current CPU Load: 5%". The bottom section of the screenshot shows the "Instance summary for i-098c2b97e8d3e8143 (Web Server 1)". The summary includes the following details:

- Instance ID:** i-098c2b97e8d3e8143
- IPV6 address:** --
- Hostname type:** IP name: ip-10-0-2-170.ec2.internal
- Answer private resource DNS name:** --
- Auto-assigned IP address:** 34.236.153.181 [Public IP]
- IAM Role:** --
- IMDSv2:** Required
- Operator:** --
- Public IPv4 address:** 34.236.153.181 | [open address](#)
- Instance state:** Running
- Private IP DNS name (IPv4 only):** ip-10-0-2-170.ec2.internal
- Instance type:** t2.micro
- VPC ID:** vpc-0aba63a5952b8aa99 (lab-vpc) | [open address](#)
- Subnet ID:** subnet-0ca5470e68188475a (lab-subnet-public2) | [open address](#)
- Instance ARN:** arn:aws:ec2:us-east-1:958781072081:instance/i-098c2b97e8d3e8143
- Private IPv4 addresses:** 10.0.2.170
- Public DNS:** ec2-34-236-153-181.compute-1.amazonaws.com | [open address](#)
- Elastic IP addresses:** --
- AWS Compute Optimizer finding:** [Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)
- Auto Scaling Group name:** --
- Managed:** false