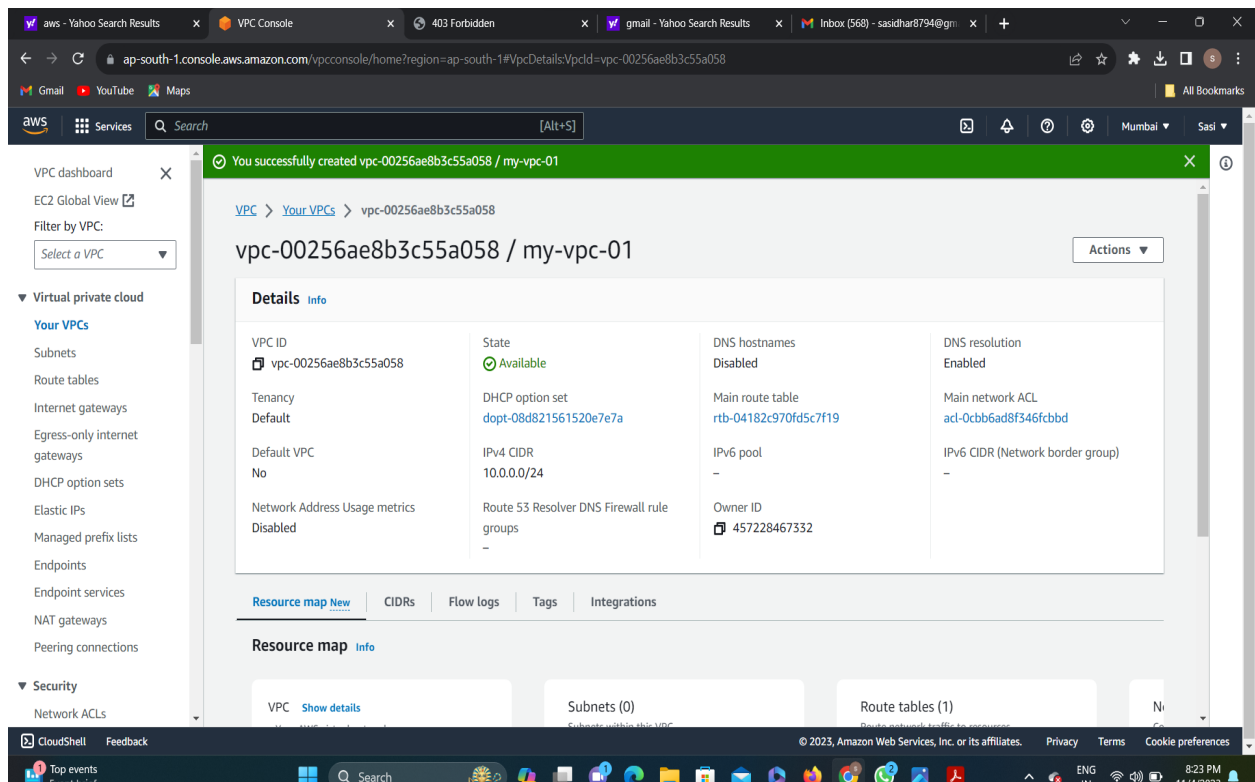


Production Network:

1. Design and build a 4-tier architecture.
2. Create 5 subnets out of which 4 should be private named app1, app2, dbcache and db and one should be public, named web.
3. Launch instances in all subnets and name them as per the subnet that they have been launched in.
4. Allow dbcache instance and app1 subnet to send internet requests.
5. Manage security groups and NACLs.



aws - Yahoo Search Results x Subnets | VPC Management Console x (2/10) AWS - VPC (Virtual Private Cloud) x creation of multiple subnets - Y x

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VPC dashboard x EC2 Global View x

Filter by VPC: Select a VPC

Virtual private cloud

- Your VPCs
- Subnets**
- Route tables
- Internet gateways
- Egress-only internet gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs

Subnets (5) Info

Find resources by attribute or tag

<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	-	subnet-055bb2e0fcb9c830c	Available	vpc-0ac2e6eace54b0c95 myvp...	172.31.0.0/20
<input type="checkbox"/>	private-app1	subnet-0f0e1b8b5e3c7e0c5	Available	vpc-04f8b38f73512739f my-v...	10.0.0.0/28
<input type="checkbox"/>	private-app2	subnet-0adbfb8f09f0d7019c	Available	vpc-04f8b38f73512739f my-v...	10.0.0.16/28
<input type="checkbox"/>	private-dbcache	subnet-08abe0e684ccdbb67	Available	vpc-04f8b38f73512739f my-v...	10.0.0.32/28
<input type="checkbox"/>	private-db	subnet-038942404c20de3e9	Available	vpc-04f8b38f73512739f my-v...	10.0.0.48/28

Select a subnet

CloudShell Feedback

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Search

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ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#subnets

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aws Services Search [Alt+S]

VPC dashboard x EC2 Global View x

Filter by VPC: Select a VPC

Virtual private cloud

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- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs

Subnets (1/5) Info

Find resources by attribute or tag

<input checked="" type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input checked="" type="checkbox"/>	public-Web	subnet-055bb2e0fcb9c830c	Available	vpc-0ac2e6eace54b0c95 myvp...	172.31.0.0/20
<input type="checkbox"/>	private-app1	subnet-0f0e1b8b5e3c7e0c5	Available	vpc-04f8b38f73512739f my-v...	10.0.0.0/28
<input type="checkbox"/>	private-app2	subnet-0adbfb8f09f0d7019c	Available	vpc-04f8b38f73512739f my-v...	10.0.0.16/28
<input type="checkbox"/>	private-dbcache	subnet-08abe0e684ccdbb67	Available	vpc-04f8b38f73512739f my-v...	10.0.0.32/28
<input type="checkbox"/>	private-db	subnet-038942404c20de3e9	Available	vpc-04f8b38f73512739f my-v...	10.0.0.48/28

subnet-055bb2e0fcb9c830c / public-Web

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

Details

Subnet ID	Subnet ARN	State	IPv4 CIDR
subnet-055bb2e0fcb9c830c	arn:aws:ec2:ap-south-1:457228467332:subnet/subnet-055bb2e0fcb9c830c	Available	172.31.0.0/20
Available IPv4 addresses	Availability Zone	Availability Zone ID	
4096	ap-south-1b	apc1-337	

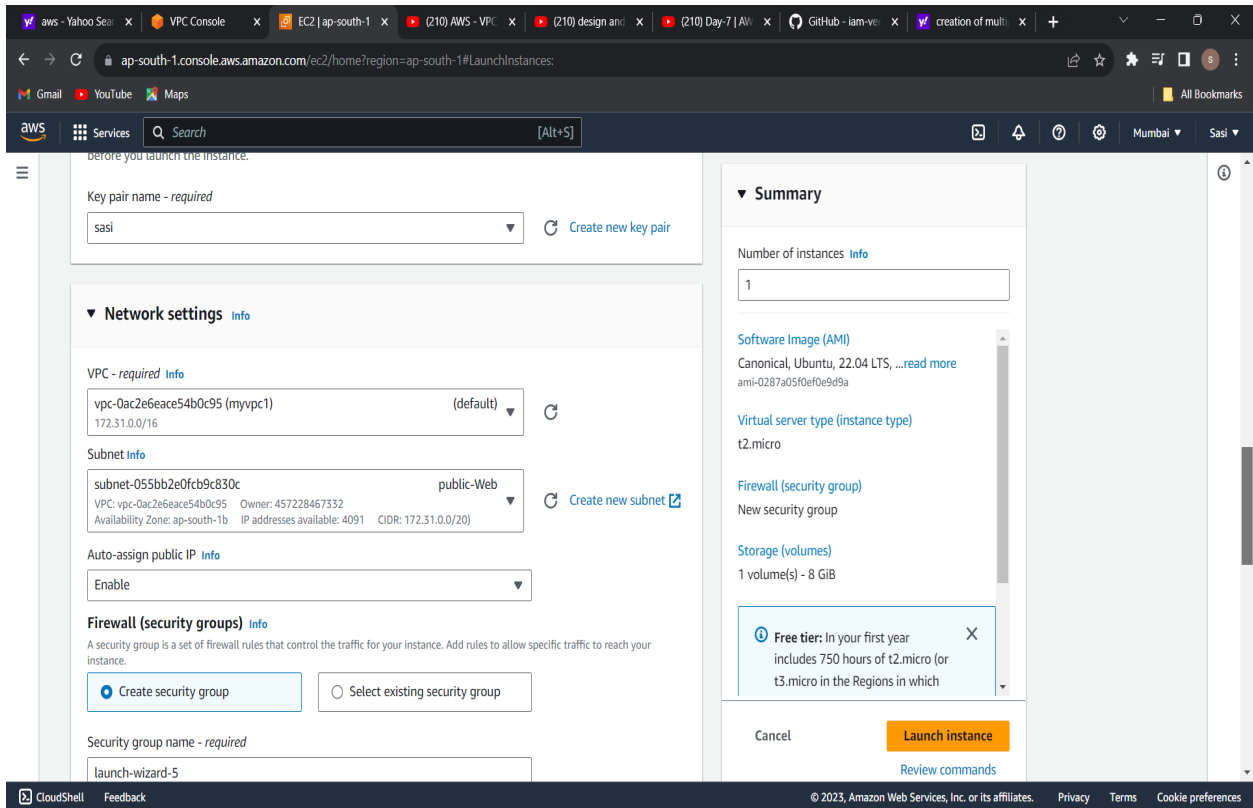
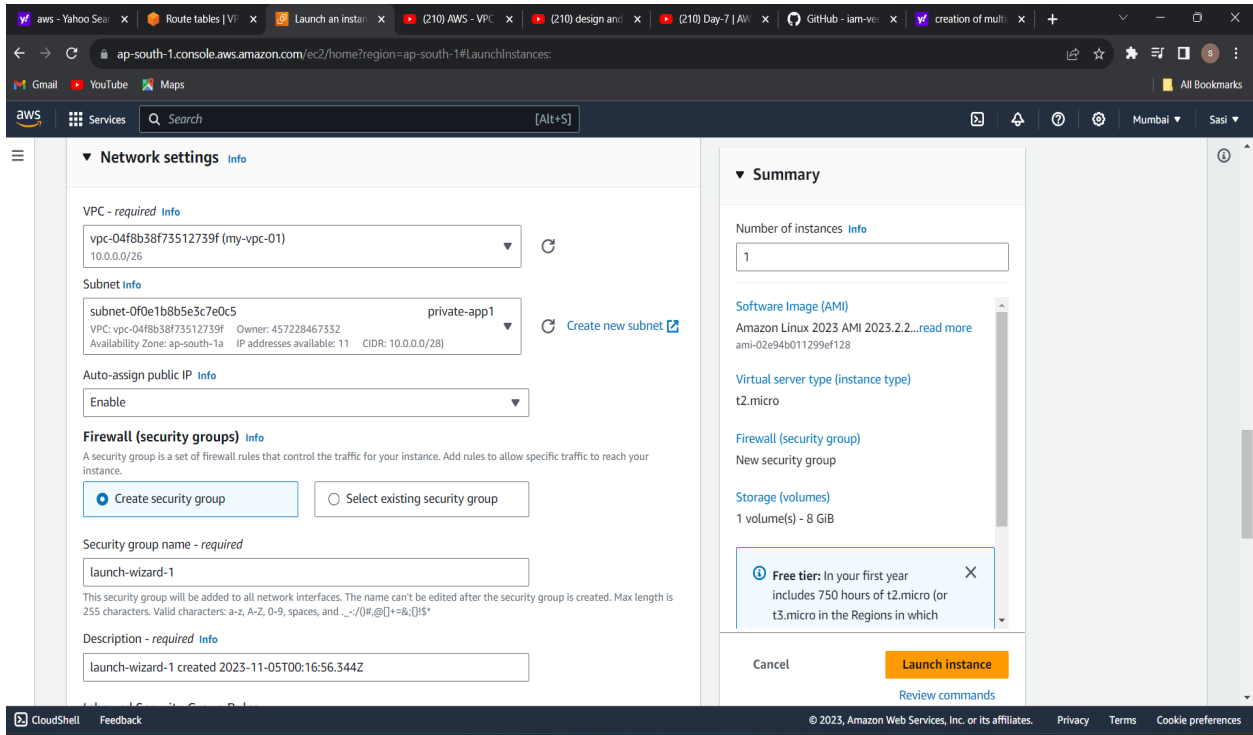
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EC2 Dashboard x EC2 Global View Events

▼ Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations
- New

▼ Images

- AMIs
- AMI Catalog

▼ Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

CloudShell Feedback

Instances (6) Info

Find Instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	my01	i-031ba67bc4a82c1f6	Terminated	t2.micro	-	No alarms	ap-south-1b	-
<input type="checkbox"/>	web	i-0ea8c3354c3b7a18	Running	t2.micro	Initializing	No alarms	ap-south-1b	ec2-13-233-70-2
<input type="checkbox"/>	app2	i-010a99f2881624fb3	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	-
<input type="checkbox"/>	app1	i-0eece4c25d9ec288d	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	-
<input type="checkbox"/>	db	i-097d9ede990794324	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	-
<input type="checkbox"/>	dbcache	i-05f95a23a4ba2c920	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	-

Select an instance

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aws Services Search [Alt+S]

VPC dashboard x EC2 Global View

Filter by VPC:

Select a VPC

▼ Virtual private cloud

- Your VPCs
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- Elastic IPs
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- Endpoints
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- NAT gateways
- Peering connections

▼ Security

- Network ACLs

CloudShell Feedback

Subnets (5) Info

Find resources by attribute or tag

Actions Create subnet

<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	public-Web	subnet-055bb2e0fcb9c830c	Available	vpc-0ac2e6eace54b0c95 myvp...	172.31.0.0/20
<input type="checkbox"/>	private-app1	subnet-0f0e1b8b5e3c7e0c5	Available	vpc-04f8b38f73512739f my-v...	10.0.0.0/28
<input type="checkbox"/>	private-app2	subnet-0adb8f09f0d7019c	Available	vpc-04f8b38f73512739f my-v...	10.0.0.16/28
<input type="checkbox"/>	private-db	subnet-038942404c20de3e9	Available	vpc-04f8b38f73512739f my-v...	10.0.0.48/28
<input type="checkbox"/>	private-dbcache	subnet-0ffb51f0eeecdbfee	Available	vpc-04f8b38f73512739f my-v...	10.0.0.32/28

Select a subnet

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