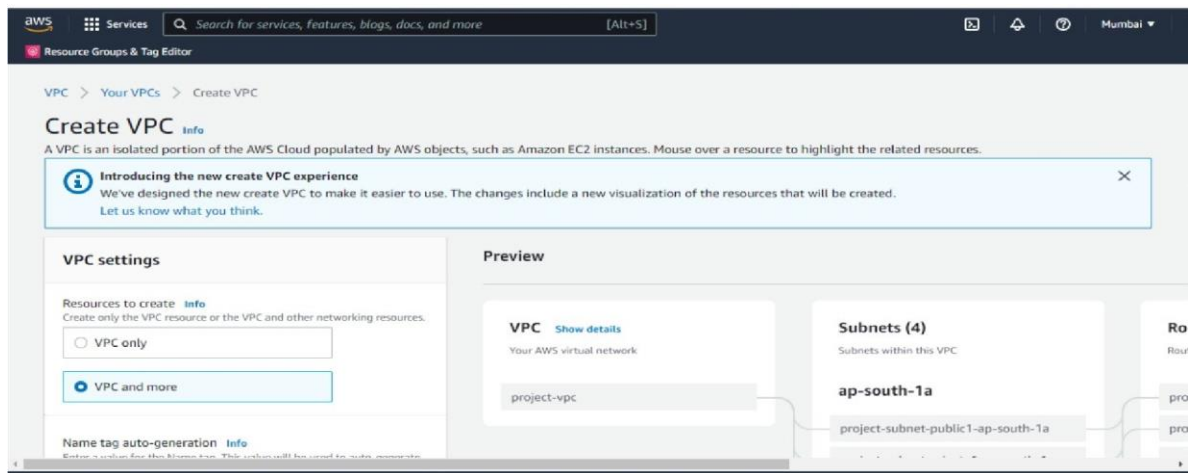


EXPERIMENT 3: CREATING AND CONFIGURING A VIRTUAL PRIVATE CLOUD

AIM- To create and configure a Virtual Private cloud

PROCEDURE-

1. Sign to the console and open Amazon VPC Console and choose the option to create VPC from the dashboard.
2. Select Create VPC from the VPC dashboard.



3. Select the number of Availability Zones (AZs) in which you wish to launch your subnets under Number of Availability Zones (AZs).
4. Select the quantity of public subnets you wish to add to your VPC under Number of public subnets.
5. Select the number of private subnets you wish to add to your VPC under Number of private subnets.
6. Now go to security group and create one security group.

RA2011028010102
Reddy Hemanth
K2
Cloud Computing

Resource Groups & Tag Editor

VPC > Security Groups > sg-099955c6d4a7539d7

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info

Name cannot be edited after creation.

Description Info

VPC Info

Resource Groups & Tag Editor

Security Groups (1/5) Info Actions Export security groups to CSV Create security group

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	—	sg-09697c0e3e17655b5	default	vpc-03603ef6e2fa1ae24	default VPC security
<input type="checkbox"/>	—	sg-0969e2af50d510736	launch-wizard-2	vpc-03ade3e5e584505ea	launch-wizard-2 cre
<input checked="" type="checkbox"/>	—	sg-099955c6d4a7539d7	mywebservergroup	vpc-03ade3e5e584505ea	webserver
<input type="checkbox"/>	—	sg-0a13b8d43a4f68898	default	vpc-03ade3e5e584505ea	default VPC security

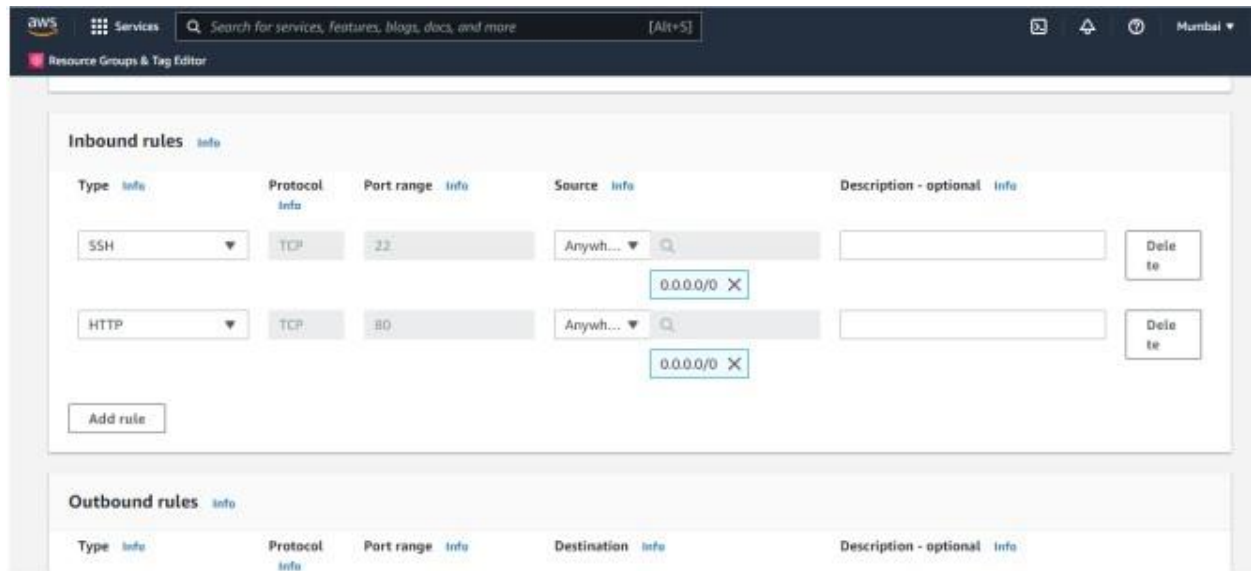
sg-099955c6d4a7539d7 - mywebservergroup

Details | Inbound rules | Outbound rules | Tags

ⓘ You can now check network connectivity with Reachability Analyzer. Run Reachability Analyzer ×

RA2011028010102
 Reddy Hemanth
 K2
 Cloud Computing

7. As your next step Make the following adjustments to the inbound rules.



8. Now save the changes.

RA2011028010102
Reddy Hemanth
K2
Cloud Computing

Network ACLs (1/3) Info

Filter network ACLs

Name	Network ACL ID	Associated with	Default	VPC ID
<input checked="" type="checkbox"/> -	acl-0320eb2273b196ff7	subnet-0a9e2197f7f1954a5 / project-subnet-...	Yes	vpc-0bb44374e9d121cf5
<input type="checkbox"/> -	acl-0b9d253b0365b4...	2 Subnets	Yes	vpc-03603ef6e...
<input type="checkbox"/> -	acl-0e9b0b485332cd9...	3 Subnets	Yes	vpc-03ade3e5e...

acl-0320eb2273b196ff7

Details Inbound rules Outbound rules Subnet associations Tags

Details

vpc-0bb44374e9d121cf5 / project-vpc Actions

Details Info

VPC ID vpc-0bb44374e9d121cf5	State Available	DNS hostnames Enabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0e0860772362f1152	Main route table rtb-0c8d04a6508ab65bd	Main network ACL acl-0320eb2273b196ff7
Default VPC No	IPv4 CIDR 10.0.0/16	IPv6 pool -	IPv6 CIDR -
Route 53 Resolver DNS Firewall rule groups -	Owner ID 982151787569		

RA2011028010102
Reddy Hemanth
K2
Cloud Computing

RESULT: The virtual private cloud has been successfully created and configured

RA2011028010102
Reddy Hemanth
K2
Cloud Computing