

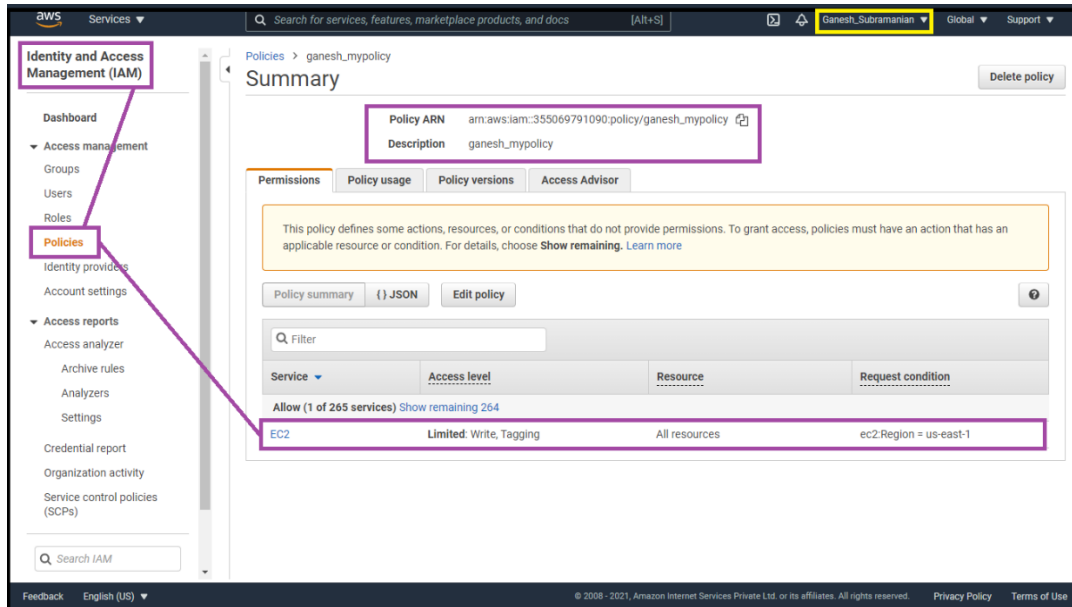
Project 3

Provision EC2 instance with Lambda

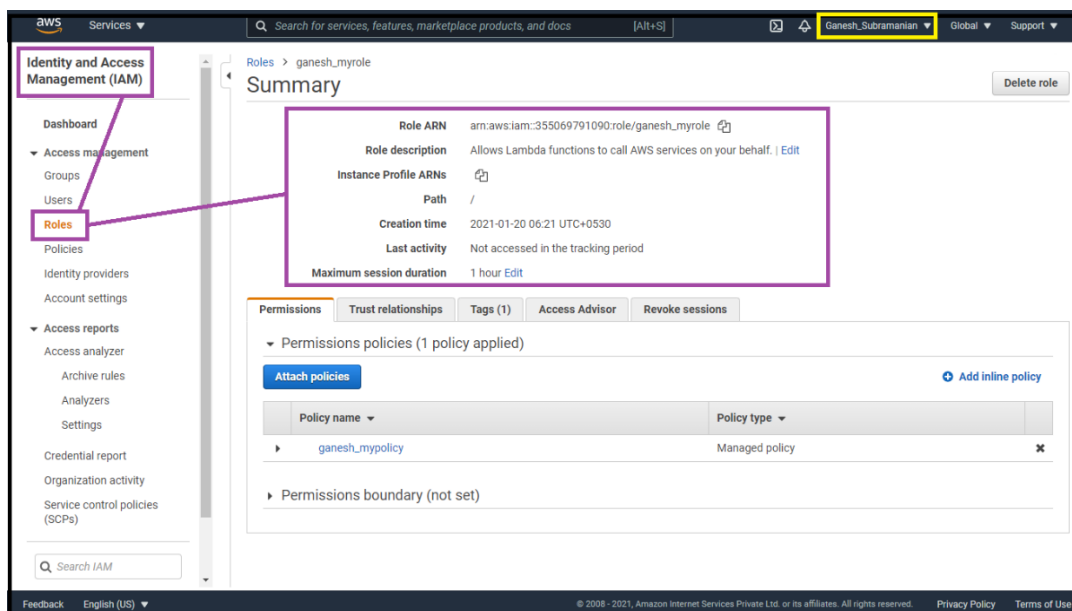
➔ Login to EC2 Console

➔ Create an IAM Policy

Screenshot 1: Create IAM Policy with EC2 Configuration

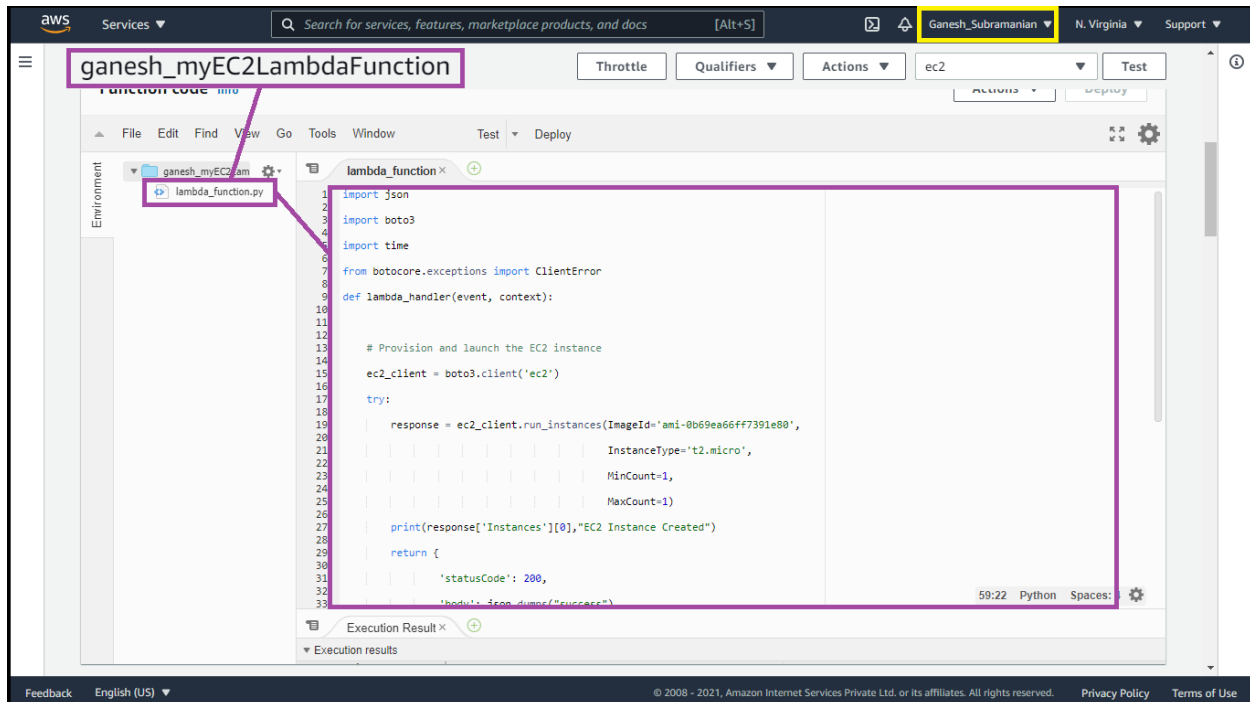


Screenshot 2: Create Role

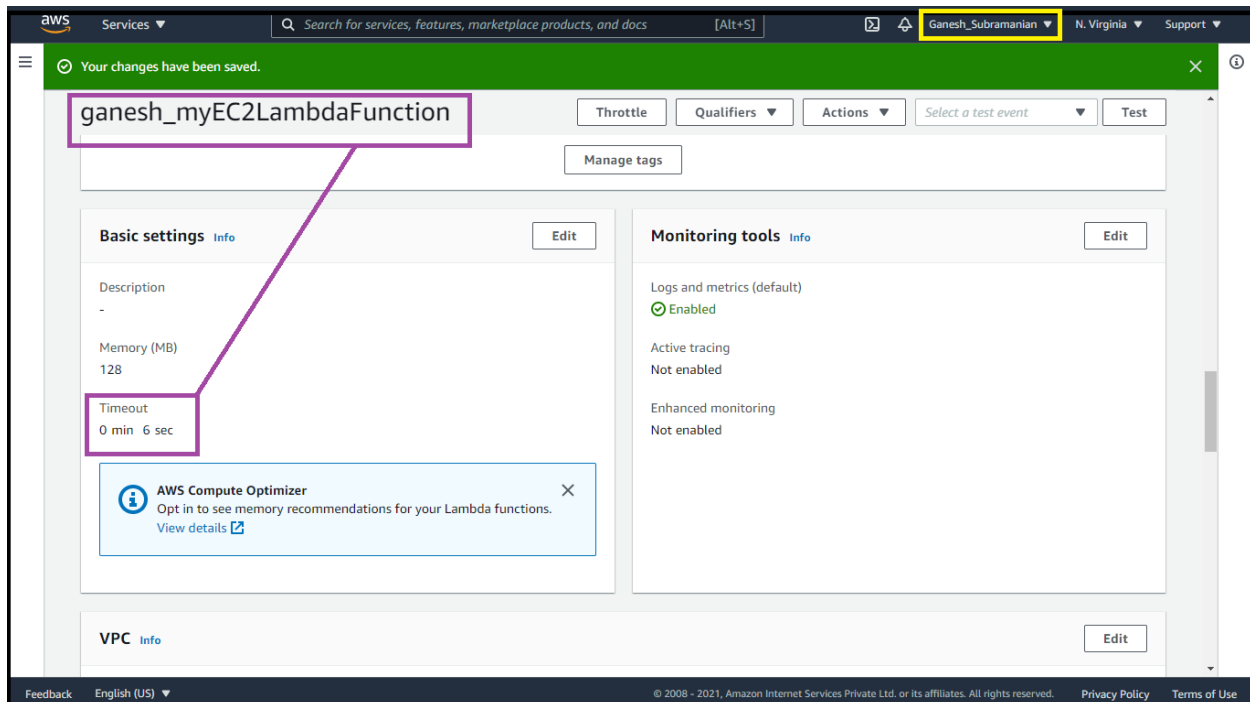


→ Create Lambda Function

Screenshot 3: Lambda function – Code pasted (Configuration)

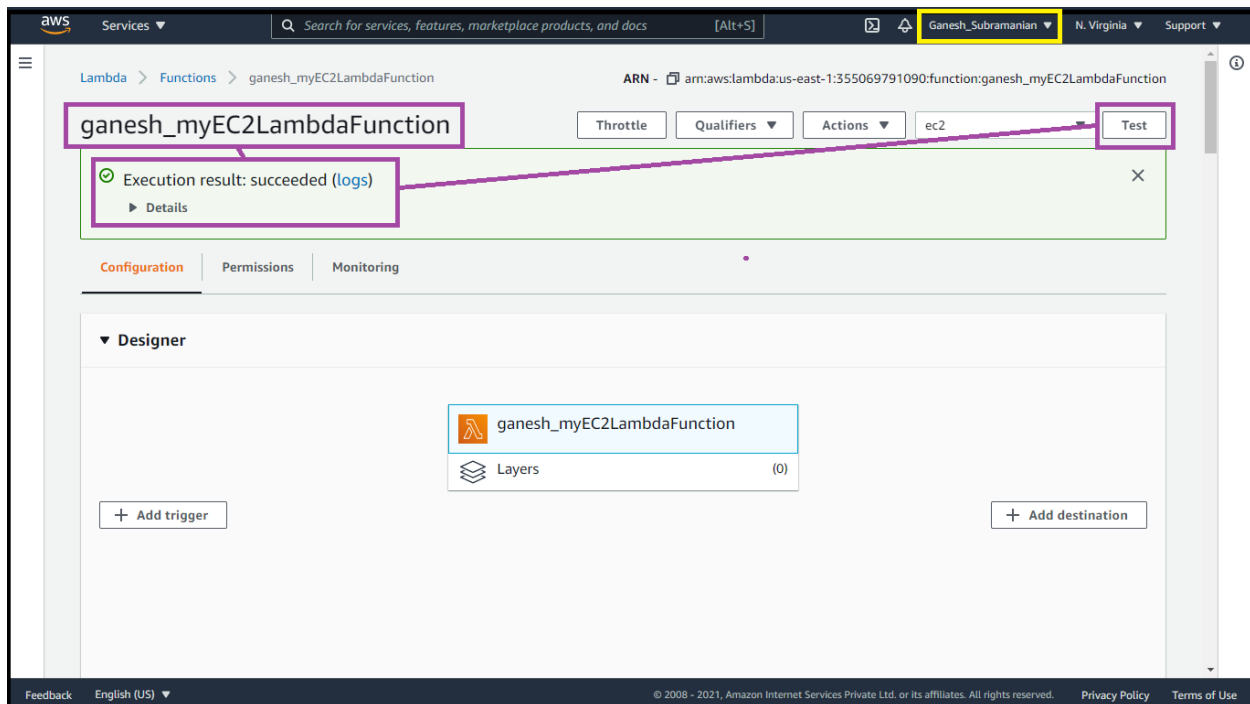


Screenshot 4: Timeout Settings



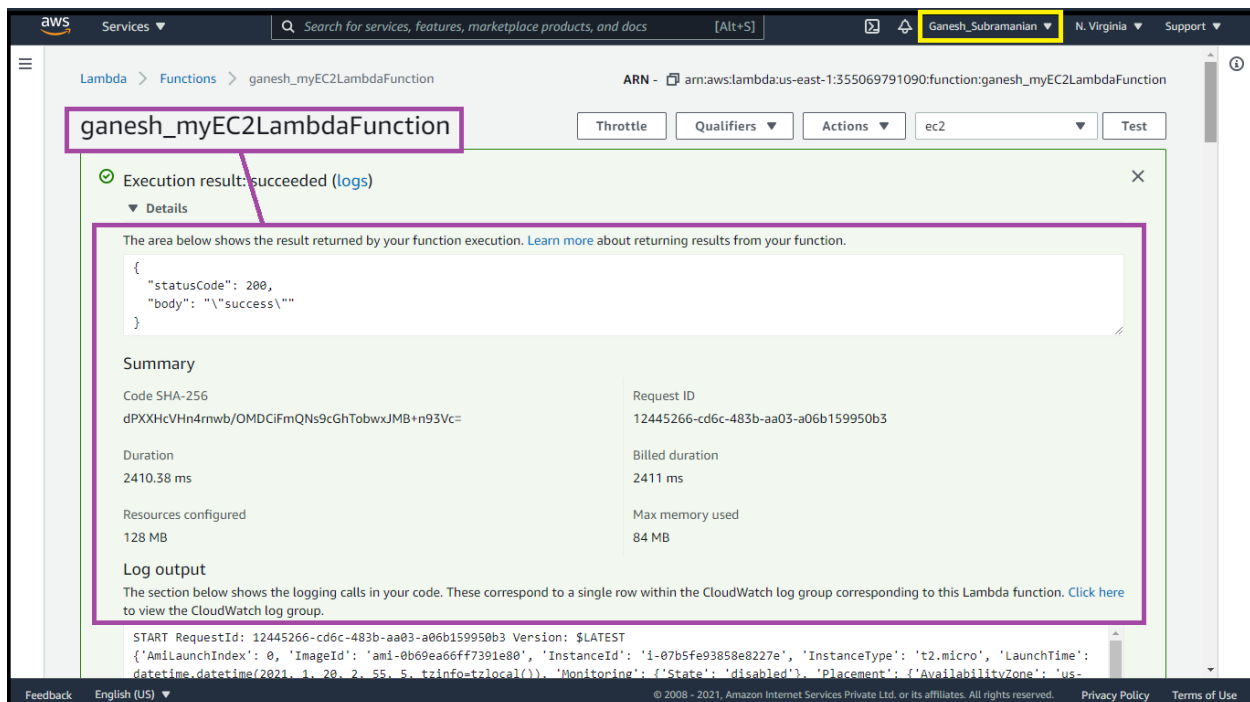
→ Configure Test Event

Screenshot 5: Configuration the Test Page



→ Trigger the Lambda functionality using the Test events

Screenshot 6: Details of instance deployed from Lambda Console



Screenshot 7: EC2 Dashboard & Then display instance details

The screenshot shows the AWS Management Console with the user 'Ganesh_Subramanian' in the 'N. Virginia' region. The EC2 Dashboard displays a table of instances. The first instance, **i-07b5fe93858e8227e**, is selected. Below the table, the 'Description' tab is active, showing details for this instance. A purple box highlights the instance details, and a purple arrow points from the instance ID in the table to this box.

Name	Instance ID	Instance	Availability	Instance S	Status Checks	Alarm	Public DNS (IPv4)	IPv4 Public IP	IPv6	Key
	i-07b5fe93858e8227e	t2.micro	us-east-1b	running	2/2 checks passed	N	ec2-52-23-165-189.compute-1.amazonaws.com	52.23.165.189	-	
	i-09f39711e5566af1d	t2.micro	us-east-1b	running	2/2 checks passed	N	ec2-34-224-18-202.compute-1.amazonaws.com	34.224.18.202	-	

Instance: i-07b5fe93858e8227e Public DNS: ec2-52-23-165-189.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-07b5fe93858e8227e	Public DNS (IPv4)	ec2-52-23-165-189.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	52.23.165.189
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more	Elastic IPs	-
Private DNS	ip-172-31-24-110.ec2.internal	Availability zone	us-east-1b
Private IPs	172.31.24.110	Security groups	default, view inbound rules , view outbound rules
Secondary private IPs	-	Scheduled events	No scheduled events
VPC ID	vpc-0cc08cab290f63595	AMI ID	amzn2-ami-hvm-2.0.20190823.1-x86_64-gp2 (ami-0b69ea66ff7391e80)
Platform	Amazon Linux	Subnet ID	subnet-0e70a46dc6deb073f

The screenshot shows the AWS Management Console with the user 'Ganesh_Subramanian' in the 'N. Virginia' region. The EC2 Dashboard displays a table of instances. The second instance, **i-09f39711e5566af1d**, is selected. Below the table, the 'Description' tab is active, showing details for this instance. A purple box highlights the instance details, and a purple arrow points from the instance ID in the table to this box.

Name	Instance ID	Instance	Availability	Instance S	Status Checks	Alarm	Public DNS (IPv4)	IPv4 Public IP	IPv6	Key
	i-07b5fe93858e8227e	t2.micro	us-east-1b	running	2/2 checks passed	N	ec2-52-23-165-189.compute-1.amazonaws.com	52.23.165.189	-	
	i-09f39711e5566af1d	t2.micro	us-east-1b	running	2/2 checks passed	N	ec2-34-224-18-202.compute-1.amazonaws.com	34.224.18.202	-	

Instance: i-09f39711e5566af1d Public DNS: ec2-34-224-18-202.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-09f39711e5566af1d	Public DNS (IPv4)	ec2-34-224-18-202.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	34.224.18.202
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more	Elastic IPs	-
Private DNS	ip-172-31-23-7.ec2.internal	Availability zone	us-east-1b
Private IPs	172.31.23.7	Security groups	default, view inbound rules , view outbound rules
Secondary private IPs	-	Scheduled events	No scheduled events
VPC ID	vpc-0cc08cab290f63595	AMI ID	amzn2-ami-hvm-2.0.20190823.1-x86_64-gp2 (ami-0b69ea66ff7391e80)
Platform	Amazon Linux	Subnet ID	subnet-0e70a46dc6deb073f