



IAM POLICY LAUNCHING AN INSTANCE

1. In this lab you are going to create a policy for launching an instance in EC2.
2. Navigate to IAM then to polices, then click on create policies.
3. This time you need to choose JSON instead of Visual.



4. Now copy this JSON code to the policy editor and then create your policy.

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Sid": "VisualEditor0",  
      "Effect": "Allow",  
      "Action": [  
        "ec2:DescribeImages",  
        "ec2:AuthorizeSecurityGroupIngress",  
        "ec2:DescribeInstances",  
        "ec2:DescribeVpcs",  
        "ec2:CreateSecurityGroup",  
        "ec2:CreateTags",  
        "ec2:DescribeInstanceTypes",  
        "ec2:RunInstances",  
        "ec2:DescribeSubnets",  
        "ec2:DescribeKeyPairs",  
        "ec2:DescribeSecurityGroups"  
      ]  
    }  
  ]  
}
```

```

    ],
    "Resource": "*"
  }
]
}

```

5. Now after pasting the code just go to next page name your policy then creates, it.
6. Then you need to attach it to the IAM user, but before the remove the old EC2 policy that you attached to it.
7. After attaching your policy, login to IAM user account in different browser.
8. Then navigate to EC2. Then click on launch instance.
9. You will be able to do that.

Name and tags
[Info](#)

Name

[Add additional tags](#)

▼ **Application and OS Images (Amazon Machine Image)**
[Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Recents

Quick Start

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

SUSE

[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

10. While choosing your key pairs. You can only choose the existing key pairs you cannot create a new keypair.

▼ Instance type

Info | Get advice

Instance type

t2.micro

Free tier eligible

Family: t2

1 vCPU

1 GiB Memory

Current generation: true

All generations

Compare instance types

▼ Key pair (login)

Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

linux-key

Create new key pair

11. Now choose any existing security group.
12. Then click on create instance.
13. You will see that your instance is successfully launched.

✓ Success

Successfully initiated launch of instance ([i-05e97a1703ed53959](#))

▼ Launch log

Initializing requests

✓ Succeeded

Launch initiation

✓ Succeeded

Instances (5)

Info

Find instance by attribute or tag (case-sensitive)

Connect

Instance state

Actions

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input type="checkbox"/>	appvm01	i-0a905b2b268e55c1f	Stopped	t2.micro	—	No alarms	eu-west-2b	—
<input type="checkbox"/>	appvm02	i-0a325fc55e845253c	Running	t2.micro	2/2 checks passed	No alarms	eu-west-2b	ec2-18-169-50
<input type="checkbox"/>	appvm03	i-05e97a1703ed53959	Running	t2.micro	Initializing	No alarms	eu-west-2b	ec2-3-8-147-1