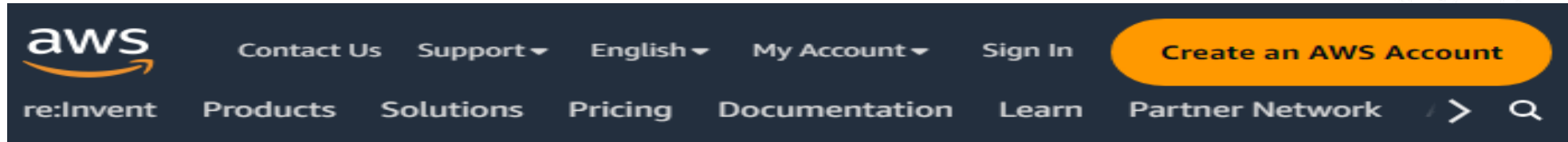


CREATING AN AWS ACCOUNT



Go to the AWS Homepage:

Visit the AWS homepage at <https://aws.amazon.com/>.

Click on "Create an AWS Account":

Click on the "Create an AWS Account" button.

Provide Email and Password:

Enter your email address and create a password.

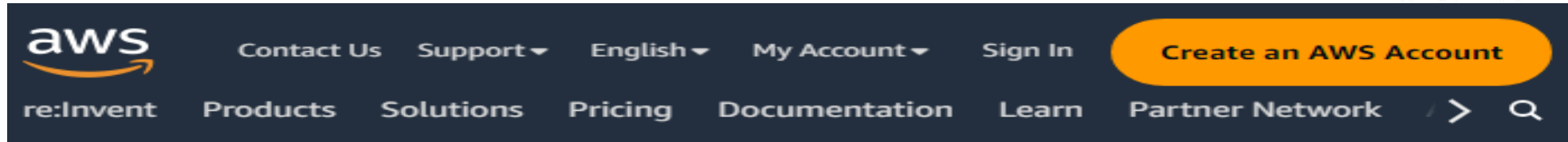
Fill in the Account Information:

Fill in the required account information, including your name, company name, and contact information.

Payment Information:

Provide your payment information. AWS may charge a small amount to verify your identity, but you can use AWS Free Tier for 12 months with limited resources.

CREATING AN AWS ACCOUNT



Choose a Support Plan:

Choose a support plan. You can select the free plan (basic) or choose a paid support plan if you prefer.

Verify Your Identity:

Follow the on-screen instructions to verify your identity. This may involve a phone call or text message.

Set up Billing Alerts (Optional):

Set up billing alerts to receive notifications if your usage exceeds a certain threshold.

Sign in to the Console:

Once your account is created, sign into the AWS Management Console at <https://aws.amazon.com/console/>.

LAUNCHING AN EC2 INSTANCE

BERITECK

Navigate to EC2:

In the AWS Management Console, navigate to the "Services" dropdown and select "EC2" under "Compute."

Click on "Launch Instance":

On the EC2 dashboard, click the "Launch Instance" button.

Choose an Amazon Machine Image (AMI):

Select an AMI that suits your needs. The AMI is essentially a template for the virtual machine.

Choose an Instance Type:

Select an instance type based on your application requirements. The instance type determines the hardware of the host computer used for the instance.

Configure Instance Details:

Set configuration options such as the number of instances, network settings, and other details. You can leave most options as their defaults for a basic setup.

LAUNCHING AN EC2 INSTANCE

Add Storage:

Specify the storage requirements for your instance.

Add Tags (Optional):

Add tags to your instance for better organization and identification.

Configure Security Group:

Configure security groups to control the inbound and outbound traffic to your instance.

Review and Launch:

Review your configurations and click "Launch."

Create a Key Pair:

Choose an existing key pair or create a new one. This key pair is crucial for accessing your instance securely.

Launch Instances:

Click "Launch Instances," and your EC2 instance will be launched.

LAUNCHING AN EC2 INSTANCE

BERITECK

Congratulations!

You've created an AWS account and launched an EC2 instance.

Remember to monitor your usage to stay within the AWS Free Tier limits if you're eligible for it

AWS EC2
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SHUTDOWN VS TERMINATE AN EC2 INSTANCE

Shutdown:

Description:

Shutting down an EC2 instance refers to stopping its operating system and halting all instance-level processes. The instance retains its configuration, attached storage, and associated Elastic IP (if any).

Impact:

The instance is in a stopped state but continues to exist in the AWS environment.

Billing:

You are billed for stopped instances, but charges for resources like compute capacity (CPU and memory) are paused.

Use Case:

Useful when you want to temporarily stop an instance and restart it later without losing its configuration.

Procedure (AWS Console):

In the AWS Management Console, navigate to the EC2 dashboard.

Select the instance you want to shut down.

Click on the "Actions" button, go to "Instance State," and choose "Stop."

SHUTDOWN VS TERMINATE AN EC2 INSTANCE

Terminate:

Description:

Terminating an EC2 instance is a more definitive action. It permanently deletes the instance, its associated storage (unless specified otherwise), and other resources such as Elastic IP addresses.

Impact:

The instance and associated resources are irreversibly deleted.

Billing:

You are billed for all resources up to the termination point, but charges stop once the termination process is complete.

Use Case:

Appropriate when you no longer need the instance or want to avoid ongoing charges.

Procedure (AWS Console):

In the AWS Management Console, navigate to the EC2 dashboard.

Select the instance you want to terminate.

Click on the "Actions" button, go to "Instance State," and choose "Terminate."