

New AWS Cloud 9

How to create a new Account

Step 1: Click on the link below.

« Previous

Next »

<Learn CS8>

Lab 1 - Create Cloud9 Account

In this lab, you will learn how to create your very first website in HTML. To write and preview your HTML, you will be using an online code editor called Cloud9.

Throughout the lab, you'll be switching back and forth between the lab steps you're reading right now and a separate web browser tab (or window) containing the Cloud9 website.

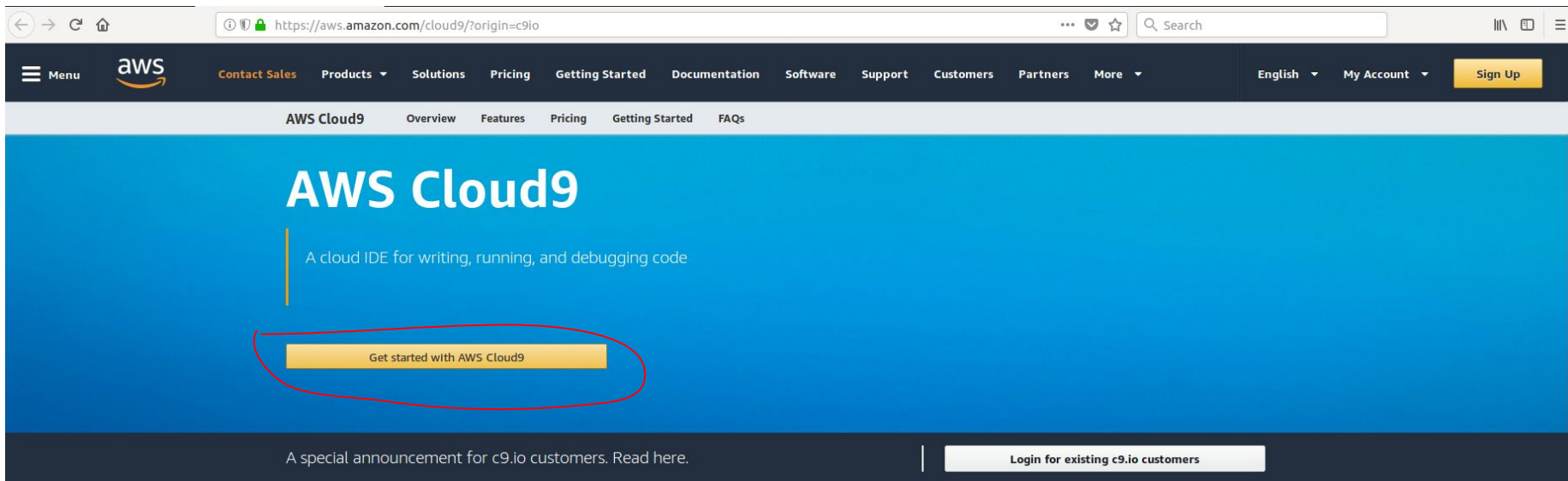
Before you open Cloud9 in a new web browser tab (or window), remember that you'll need to switch back and forth between Cloud9 and these instructions.

Let's begin. Click here to open Cloud9 (<https://c9.io/>).

Note: Cloud 9 might ask for your credit card info. Do not worry, the way we will utilize Cloud9 services will be in a free manor.

On Cloud9's front page, click the **SIGN UP** button.

Step 2: Click on Get started with AWS Cloud9.



The screenshot shows the AWS Cloud9 website. The browser address bar displays <https://aws.amazon.com/cloud9/?origin=c9io>. The navigation menu includes [Menu](#), [aws](#), [Contact Sales](#), [Products](#), [Solutions](#), [Pricing](#), [Getting Started](#), [Documentation](#), [Software](#), [Support](#), [Customers](#), [Partners](#), [More](#), [English](#), [My Account](#), and [Sign Up](#). Below the navigation menu, there are sub-navigation links for [AWS Cloud9](#), [Overview](#), [Features](#), [Pricing](#), [Getting Started](#), and [FAQs](#). The main content area has a blue background with the heading

AWS Cloud9

 and the sub-heading

A cloud IDE for writing, running, and debugging code

. A yellow button labeled [Get started with AWS Cloud9](#) is circled in red. At the bottom of the page, there is a dark blue footer with the text [A special announcement for c9.io customers. Read here.](#) and a white button labeled [Login for existing c9.io customers](#).


AWS Cloud9 is a cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser. It includes a code editor, debugger, and terminal. Cloud9 comes pre-packaged with essential tools for popular programming languages including JavaScript, Python, PHP, and more, so you don't need to install files or configure your development machine to start new projects. Since your Cloud9 IDE is cloud-based, you can work on your projects from your office, home, or anywhere using an internet-connected machine. Cloud9 also provides a seamless experience for developing serverless applications allowing you to easily define resources, debug, and switch between local and remote execution of serverless applications. With Cloud9, you can quickly share your development environment with your team, allowing you to pair program and track each other's inputs in real-time.

Benefits

CODE WITH JUST A BROWSER

Step 4: Fill out the below form.

← → ↻ 🏠 🔒 https://portal.aws.amazon.com/billing/signup#/start 🔍 Search 🌐 English ▾

 **aws**

Create an AWS account

AWS Accounts Include 12 Months of Free Tier Access

Including use of Amazon EC2, Amazon S3, and Amazon DynamoDB
Visit aws.amazon.com/free for full offer terms

Email address

**Email is a required field*

Password

Confirm password

AWS account name ⓘ

[Continue](#)

[Sign in to an existing AWS account](#)

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Step 5: Fill out this form as well.

← → ↻ 🏠 <https://portal.aws.amazon.com/billing/signup#/account> ... 📧 ☆ 🔍 Search

Contact Information All fields are required.

Please select the account type and complete the fields below with your contact details.

Account type ⓘ

Professional Personal

Full name

Phone number

Country

United States ▾

Address

Street, P.O. Box, Company Name, c/o

Apartment, suite, unit, building, floor, etc.

City

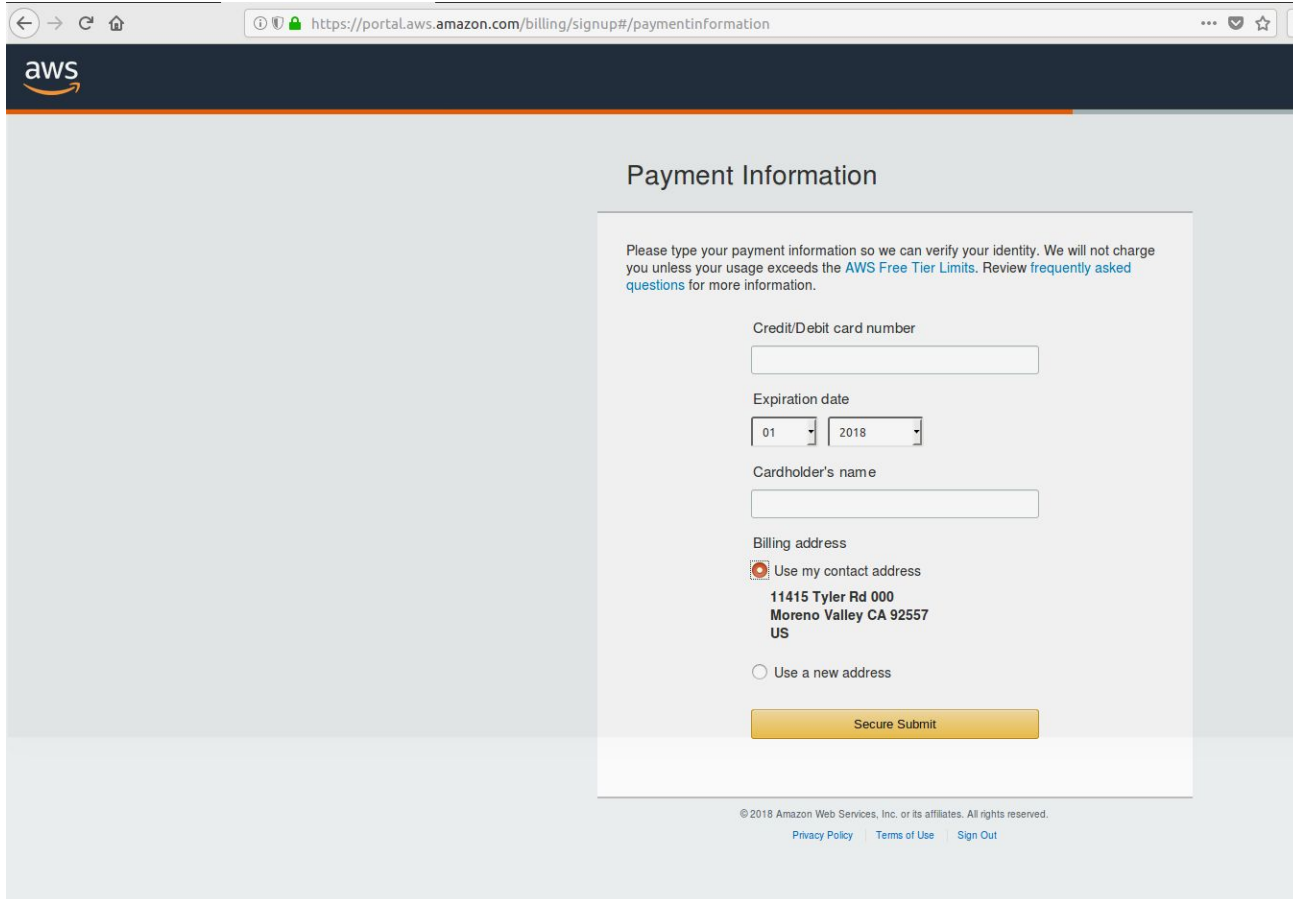
State / Province or region

Postal code

Check here to indicate that you have read and agree to the terms of the [AWS Customer Agreement](#)

Create Account and Continue

Step 6: You need to add your card info but it will not charge you anything.



The screenshot shows a web browser window with the URL <https://portal.aws.amazon.com/billing/signup#/paymentinformation>. The AWS logo is in the top left corner. The main heading is "Payment Information". Below the heading is a message: "Please type your payment information so we can verify your identity. We will not charge you unless your usage exceeds the [AWS Free Tier Limits](#). Review [frequently asked questions](#) for more information." The form contains the following fields and options:

- Credit/Debit card number:
- Expiration date:
- Cardholder's name:
- Billing address:
 - Use my contact address
11415 Tyler Rd 000
Moreno Valley CA 92557
US
 - Use a new address
- Secure Submit:

At the bottom, there is a copyright notice: "© 2018 Amazon Web Services, Inc. or its affiliates. All rights reserved." and links for [Privacy Policy](#), [Terms of Use](#), and [Sign Out](#).

Step 7: Add your phone number and wait for a Call for Verification

aws

Phone Verification

AWS will call you immediately using an automated system. When prompted, enter the 4-digit number from the AWS website on your phone keypad.

Provide a telephone number

Please enter your information below and click the "Call Me Now" button.

Country code

United States (+1)

Phone number Ext

Security Check

7m32w6

Please type the characters as shown above

Call Me Now

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Step 8: You should get 4-digit number

AWS will call you immediately using an automated system. When prompted, enter the 4-digit number from the AWS website on your phone keypad.

Provide a telephone number

Call in progress...

Please answer the call from AWS and, when prompted, enter the 4-digit number on your phone keypad.

1 8 3 6

Call Me Now

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Step 9: Once you get the call and entered the 4-digit number you should get this mark

AWS will call you immediately using an automated system. When prompted, enter the 4-digit number from the AWS website on your phone keypad.

Provide a telephone number



Your identity has been verified successfully.

Continue

Call Me Now

Step 10: Click on Basic Plan



Select a Support Plan

AWS offers a selection of support plans to meet your needs. Choose the support plan that best aligns with your AWS usage. [Learn more](#)



Basic Plan

Free

- Included with all accounts
- 24/7 self-service access to forums and resources
- Best practice checks to help improve security and performance
- Access to health status and notifications



Developer Plan

From \$29/month

- For early adoption, testing and development
- Email access to AWS Support during business hours
- 1 primary contact can open an unlimited number of support cases
- 12-hour response time for nonproduction systems



Business Plan

From \$100/month

- For production workloads & business-critical dependencies
- 24/7 chat, phone, and email access to AWS Support
- Unlimited contacts can open an unlimited number of support cases
- 1-hour response time for production systems

Need Enterprise level support?

Contact your account manager for additional information on running business and mission critical-workloads on AWS (starting at \$15,000/month). [Learn more](#)

Step 11: Click on Sign to the Console

← → ↻ 🏠 🔒 https://portal.aws.amazon.com/billing/signup#/confirmation ⋮ 📧 ☆ 🔍 Search

aws

Welcome to Amazon Web Services

Thank you for creating an Amazon Web Services Account. We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

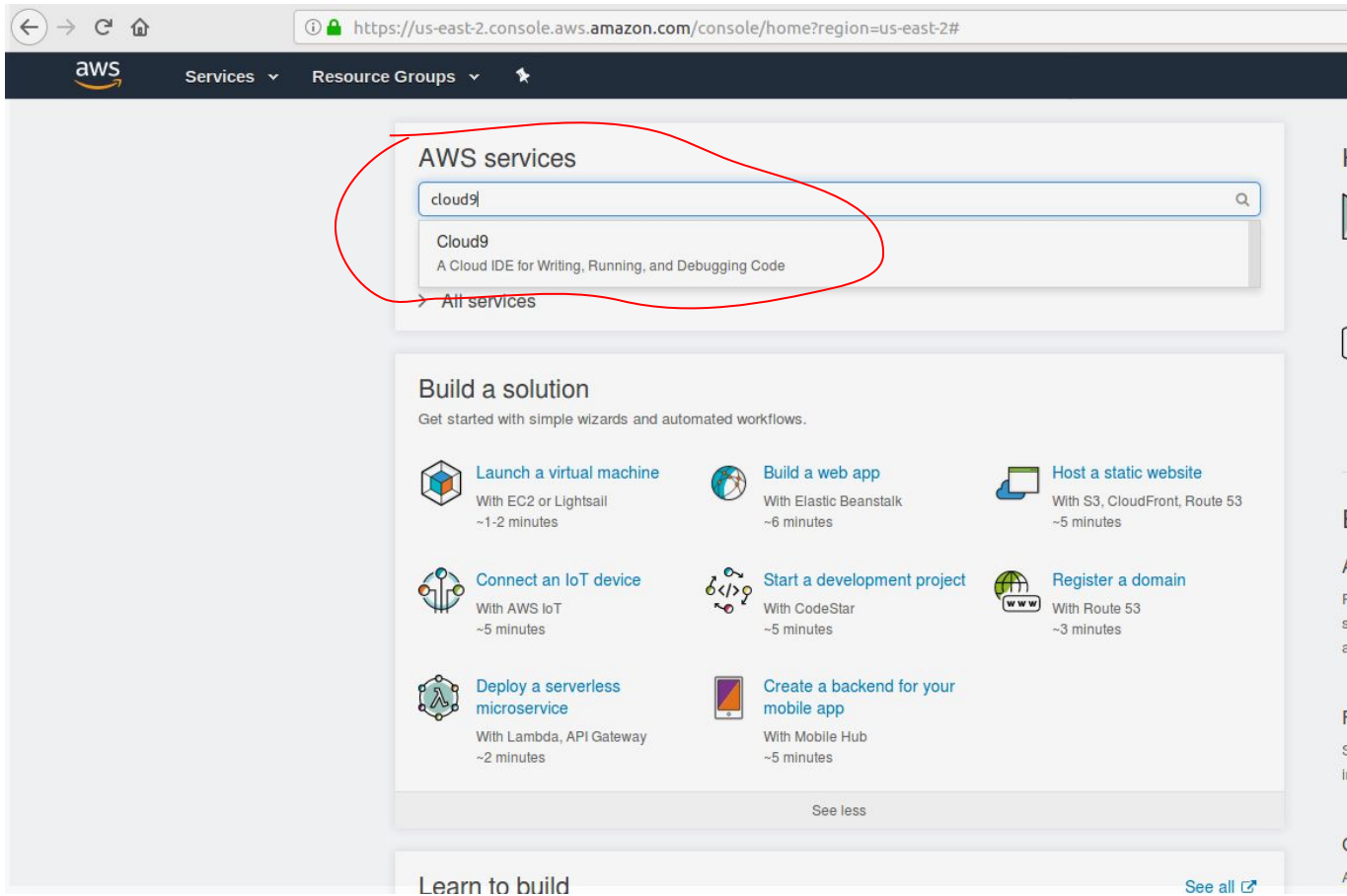
[Sign in to the Console](#)

[Contact Sales](#)

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[Privacy Policy](#) | [Terms of Use](#) | [Sign Out](#)

Step 13: Look up for cloud9 and click on it



The screenshot shows the AWS console interface. At the top, the browser address bar displays the URL: `https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2#`. Below the navigation bar, the "AWS services" section is visible. A search bar contains the text "cloud9", and a red circle highlights the search results area. The results show "Cloud9" with the description "A Cloud IDE for Writing, Running, and Debugging Code". Below the search results, there is a section titled "Build a solution" with the subtitle "Get started with simple wizards and automated workflows." This section contains several solution cards, each with an icon, a title, and a brief description of the solution and its estimated time to complete. The cards include: "Launch a virtual machine" (With EC2 or Lightsail, ~1-2 minutes), "Build a web app" (With Elastic Beanstalk, ~6 minutes), "Host a static website" (With S3, CloudFront, Route 53, ~5 minutes), "Connect an IoT device" (With AWS IoT, ~5 minutes), "Start a development project" (With CodeStar, ~5 minutes), "Register a domain" (With Route 53, ~3 minutes), "Deploy a serverless microservice" (With Lambda, API Gateway, ~2 minutes), and "Create a backend for your mobile app" (With Mobile Hub, ~5 minutes). A "See less" link is located at the bottom of the "Build a solution" section. At the very bottom, there is a "Learn to build" section with a "See all" link.

← → ↻ 🏠 `https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2#`

aws Services ▾ Resource Groups ▾ ⭐

AWS services









cloud9 🔍

Cloud9
A Cloud IDE for Writing, Running, and Debugging Code

➤ All services

Build a solution

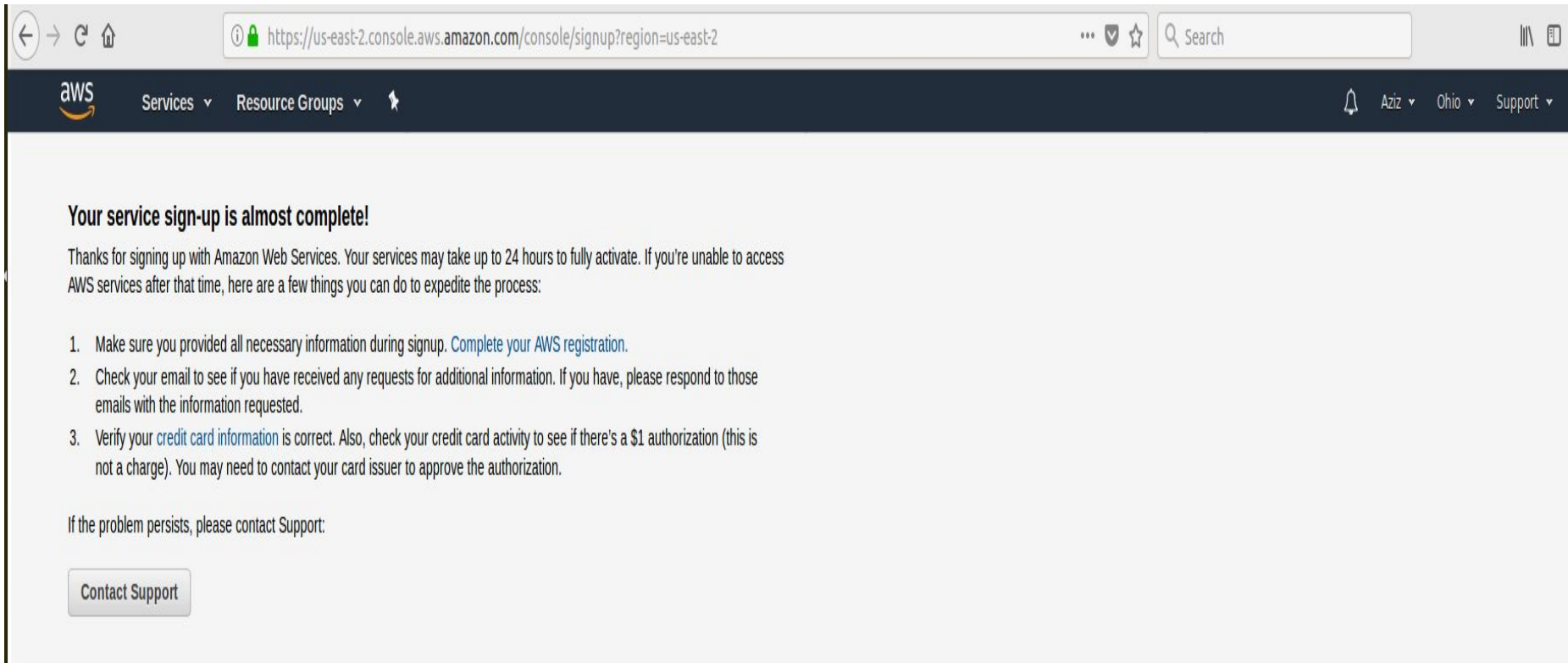
Get started with simple wizards and automated workflows.

-  **Launch a virtual machine**
With EC2 or Lightsail
~1-2 minutes
-  **Build a web app**
With Elastic Beanstalk
~6 minutes
-  **Host a static website**
With S3, CloudFront, Route 53
~5 minutes
-  **Connect an IoT device**
With AWS IoT
~5 minutes
-  **Start a development project**
With CodeStar
~5 minutes
-  **Register a domain**
With Route 53
~3 minutes
-  **Deploy a serverless microservice**
With Lambda, API Gateway
~2 minutes
-  **Create a backend for your mobile app**
With Mobile Hub
~5 minutes

See less

Learn to build [See all](#)

Step 14: If you got this message, you need to wait until you account is fully activated



The screenshot shows a web browser window with the URL `https://us-east-2.console.aws.amazon.com/console/signup?region=us-east-2`. The browser's address bar includes navigation icons, a search bar, and a user profile dropdown for 'Aziz' in the 'Ohio' region. The AWS logo and navigation menu are visible at the top. The main content area displays a message titled 'Your service sign-up is almost complete!' with a list of three steps to expedite the process and a 'Contact Support' button.

Your service sign-up is almost complete!

Thanks for signing up with Amazon Web Services. Your services may take up to 24 hours to fully activate. If you're unable to access AWS services after that time, here are a few things you can do to expedite the process:

1. Make sure you provided all necessary information during signup. [Complete your AWS registration.](#)
2. Check your email to see if you have received any requests for additional information. If you have, please respond to those emails with the information requested.
3. Verify your [credit card information](#) is correct. Also, check your credit card activity to see if there's a \$1 authorization (this is not a charge). You may need to contact your card issuer to approve the authorization.

If the problem persists, please contact Support:

[Contact Support](#)

If you got this email, you can go to the next step, otherwise wait (I waited for an hour to get my account activated)

Your AWS Account is Ready - Get Started Now

Inbox x



Amazon Web Services <no-reply-aws@amazon.com>
to me

12:14 PM



Welcome to Amazon Web Services

For the next 12 months, you'll have free access to core AWS compute, storage, database, and application services within the limits of the [Free Tier](#).

Here are a few easy ways to get started:



Learn with tutorials
and guides
[Get Started »](#)



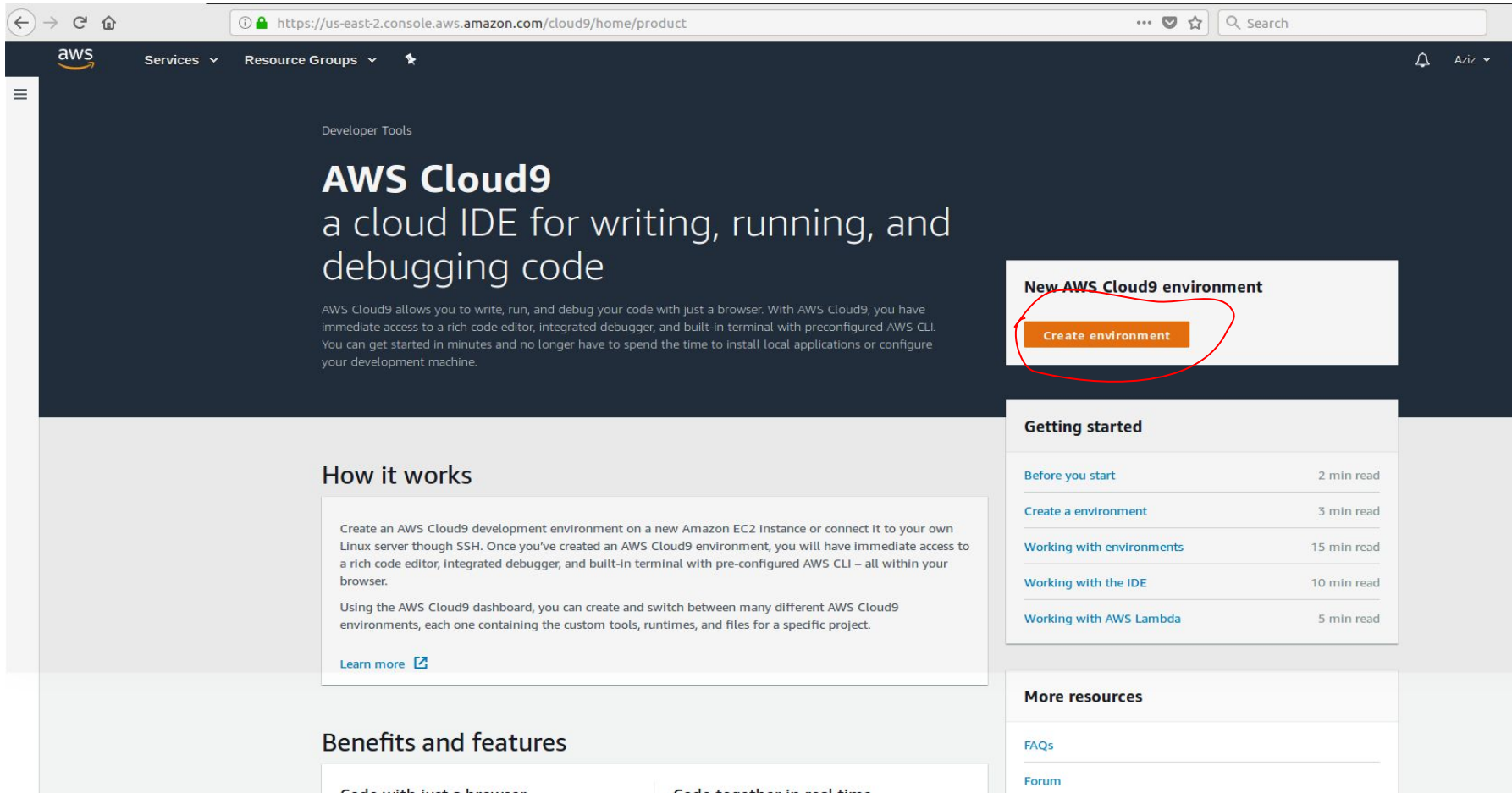
Start building with the
AWS console
[Get Started »](#)



Launch a simple
virtual private server
[Get Started »](#)



Step 15: Click on Create Environment



The screenshot shows the AWS Cloud9 console interface. The main heading is "AWS Cloud9 a cloud IDE for writing, running, and debugging code". Below this, there is a "Developer Tools" section. A prominent orange button labeled "Create environment" is circled in red. To the right, there is a "Getting started" section with links to "Before you start", "Create a environment", "Working with environments", "Working with the IDE", and "Working with AWS Lambda". Below that is a "More resources" section with links to "FAQs" and "Forum".

Developer Tools

AWS Cloud9


a cloud IDE for writing, running, and debugging code

AWS Cloud9 allows you to write, run, and debug your code with just a browser. With AWS Cloud9, you have immediate access to a rich code editor, integrated debugger, and built-in terminal with preconfigured AWS CLI. You can get started in minutes and no longer have to spend the time to install local applications or configure your development machine.

How it works

Create an AWS Cloud9 development environment on a new Amazon EC2 Instance or connect it to your own Linux server through SSH. Once you've created an AWS Cloud9 environment, you will have immediate access to a rich code editor, integrated debugger, and built-in terminal with pre-configured AWS CLI – all within your browser.

Using the AWS Cloud9 dashboard, you can create and switch between many different AWS Cloud9 environments, each one containing the custom tools, runtimes, and files for a specific project.

[Learn more](#) 

Getting started

Before you start	2 min read
Create a environment	3 min read
Working with environments	15 min read
Working with the IDE	10 min read
Working with AWS Lambda	5 min read

More resources

FAQs
Forum

Benefits and features

Code with just a browser	Code together in real time
--	--

Step 16: Type the name of your environment then click Next Step

The screenshot shows the AWS Cloud9 console interface. At the top, there is a navigation bar with the AWS logo, 'Services', and 'Resource Groups'. Below this is a breadcrumb trail: 'AWS Cloud9 > Environments > Create environment'. A notification banner at the top left states: 'AWS root account login detected. We do not recommend using your AWS root account to create or work with environments. Use an IAM user instead. This is an AWS security best practice. For more information, see [Setting Up to Use AWS Cloud9](#).' The main content area is titled 'Name environment' and is divided into three steps: 'Step 1: Name environment', 'Step 2: Configure settings', and 'Step 3: Review'. The 'Name environment' section is active and contains a form titled 'Environment name and description'. The 'Name' field is a text input containing 'CS8 Lab', with a red circle around it. Below the name field is a 'Description - Optional' text area, which is currently empty. At the bottom right of the form, there are two buttons: 'Cancel' and 'Next step', with a red circle around the 'Next step' button.

Step 1
Name environment

Step 2
Configure settings

Step 3
Review

Name environment

Environment name and description

Name
The name needs to be unique per user. You can update it at any time in your environment settings.

Limit: 60 characters

Description - Optional
This will appear on your environment's card in your dashboard. You can update it at any time in your environment settings.

Write a short description for your environment

Limit: 200 characters

Cancel **Next step**

Step 17: Leave the default Setting and click Next Step

The screenshot shows the AWS Cloud9 console interface. The browser address bar displays `https://us-east-2.console.aws.amazon.com/cloud9/home/create`. The navigation bar includes the AWS logo, 'Services', and 'Resource Groups'. A sidebar on the left lists the steps: 'Step 1 Name environment', 'Step 2 Configure settings', and 'Step 3 Review'. The main content area is titled 'Configure settings' and contains the following sections:

- Environment settings**
 - Environment type** [Info](#)
Choose between creating a new EC2 Instance for your new environment or connecting directly to your server over SSH.
 - Create a new Instance for environment (EC2)**
Launch a new instance in this region to run your new environment.
 - Connect and run in remote server (SSH)**
Display instructions to connect remotely over SSH and run your new environment.
 - Instance type**
 - t2.micro (1 GiB RAM + 1 vCPU)**
Free-tier eligible. Ideal for educational users and exploration.
 - t2.small (2 GiB RAM + 1 vCPU)**
Recommended for small-sized web projects.
 - m4.large (8 GiB RAM + 2 vCPU)**
Recommended for production and general-purpose development.
 - Other Instance type**
Select an instance type.
t2.nano
 - Cost-saving setting**
Choose a predetermined amount of time to auto-hibernate your environment and prevent unnecessary charges. We recommend a hibernation settings of half an hour of no activity to maximize savings.
After 30 minutes (default)
 - IAM role**
AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#)
AWSServiceRoleForAWSCloud9
 - Network settings (advanced)**

At the bottom of the page, there are three buttons: 'Cancel', 'Previous step', and 'Next step'. The 'Next step' button is highlighted with a red circle.

Step 18: Click on Create Environment

The screenshot shows the AWS Cloud9 console interface for creating a new environment. The browser address bar displays the URL: `https://us-east-2.console.aws.amazon.com/cloud9/home/create`. The navigation bar includes the AWS logo, 'Services', and 'Resource Groups'. A left-hand sidebar shows a progress indicator with 'Step 2: Configure settings' (active), 'Step 3: Review', and a 'Review' button. The main content area is titled 'Environment name and settings' and lists the following configuration details:

- Name: CS8 Lab
- Description: No description provided
- Environment type: EC2
- Instance type: t2.micro
- Subnet: subnet-0cec3c64
- Cost-saving settings: After 30 minutes (default)
- IAM role: AWSServiceRoleForAWSCloud9 (generated)

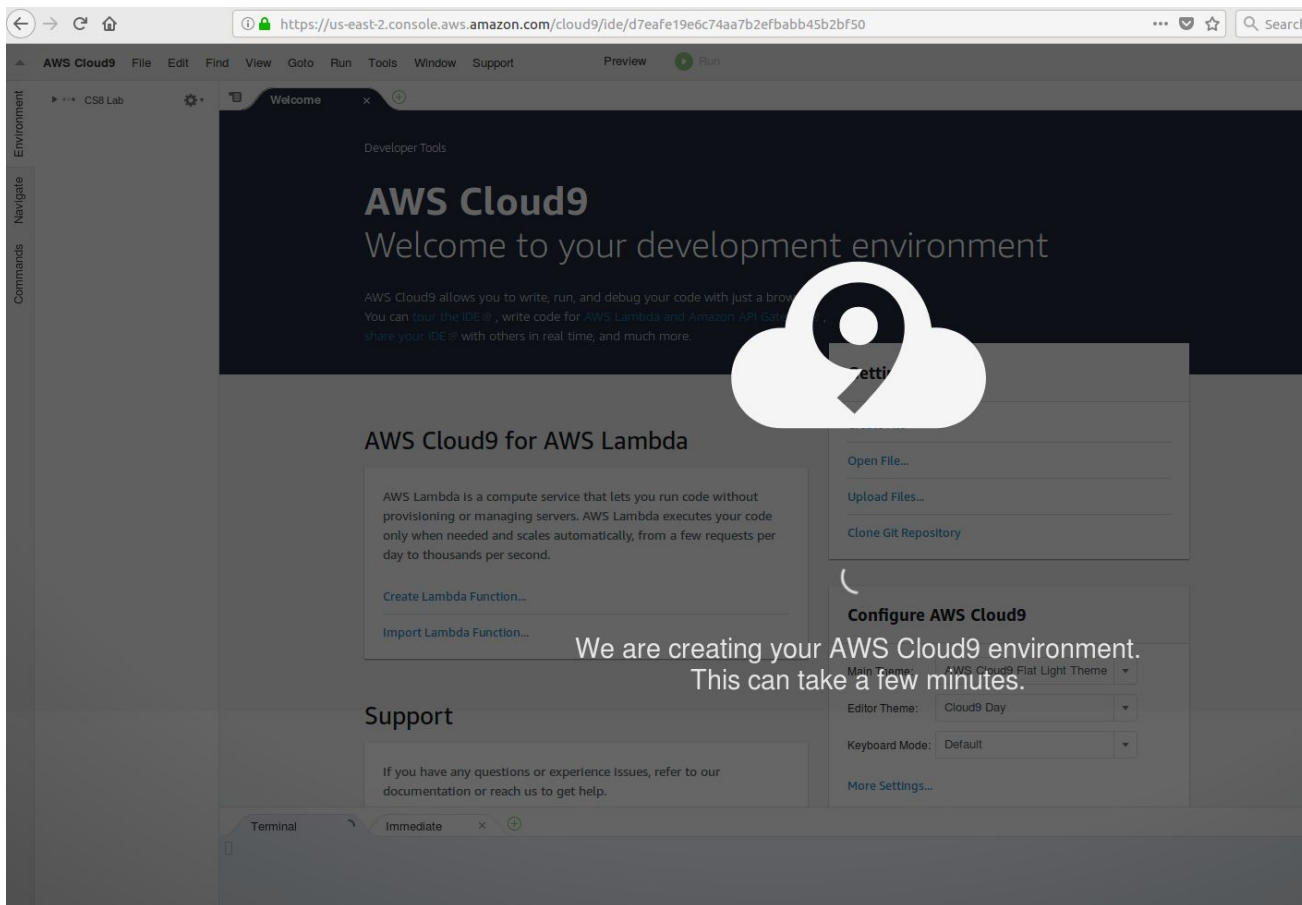
A blue informational box contains the following text and list:

We recommend the following best practices for using your AWS Cloud9 environment

- Use **source control and backup** your environment frequently. AWS Cloud9 does not perform automatic backups.
- Perform regular **updates of software** on your environment. AWS Cloud9 does not perform automatic updates on your behalf.
- **Turn on AWS CloudTrail** in your AWS account to track activity in your environment. [Learn more](#)
- Only share your environment with **trusted users**. Sharing your environment may put your AWS access credentials at risk. [Learn more](#)

At the bottom of the page, there are three buttons: 'Cancel', 'Previous step', and 'Create environment'. The 'Create environment' button is highlighted with a red circle.

Step 19: It will take a bit of time to create your environment



The screenshot shows the AWS Cloud9 IDE interface. The browser address bar displays the URL: <https://us-east-2.console.aws.amazon.com/cloud9/ide/d7eafe19e6c74aa7b2efbabb45b2bf50>. The main content area features a dark theme with the text "Welcome to your development environment" and "AWS Cloud9". Below this, there is a section for "AWS Cloud9 for AWS Lambda" with a description and buttons for "Create Lambda Function..." and "Import Lambda Function...". To the right, there is a "Configure AWS Cloud9" panel with settings for "Main Theme" (AWS Cloud9 Flat Light Theme), "Editor Theme" (Cloud9 Day), and "Keyboard Mode" (Default). A large white icon of a cloud with a question mark is overlaid on the center of the screen. At the bottom, there is a "Terminal" window with the text "Immediate".

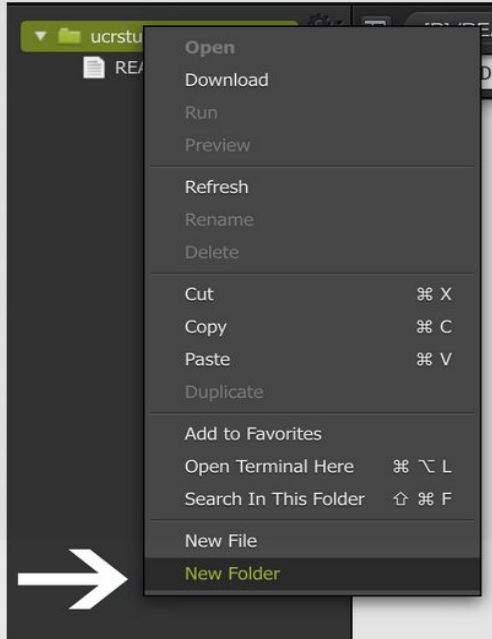
We are creating your AWS Cloud9 environment.
This can take a few minutes.

Finally :) Your workspace is ready, and you should be able to follow the LearnCS8 Lab#1 Instructions.

The screenshot displays the AWS Cloud9 IDE interface. The browser address bar shows the URL: `https://us-east-2.console.aws.amazon.com/cloud9/ide/d7eafe19e6c74aa7b2efbabb45b2bf50`. The interface includes a top menu bar with options like File, Edit, Find, View, Goto, Run, Tools, Window, and Support. A left sidebar contains 'Environment' (showing a folder 'CS8 Lab' with a file 'README.md') and 'Commands' (with 'Navigate' selected). The main content area features a dark header with 'Developer Tools' and 'Welcome' tabs. Below this is a large 'AWS Cloud9' title and a 'Welcome to your development environment' message. A 'Getting started' panel on the right offers links for 'Create File', 'Open File...', 'Upload Files...', and 'Clone Git Repository'. A 'Configure AWS Cloud9' panel below it allows setting 'Main Theme' (AWS Cloud9 Flat Light Theme), 'Editor Theme' (Cloud9 Day), and 'Keyboard Mode' (Default). A 'Support' section at the bottom provides a link to documentation. At the very bottom, a terminal window shows the prompt `ec2-user:~/environment $`.

Go back to LearnCS8 Lab#1 and start from this point

In the left column where your files are shown (probably only one file named README.md at the moment), right click on the name of your workspace (your UCR Student ID) and select **New Folder**.



Name the new folder **lab1**. You'll be saving all your work for Lab 1 in this folder.

Now go to the next page to continue the lab.