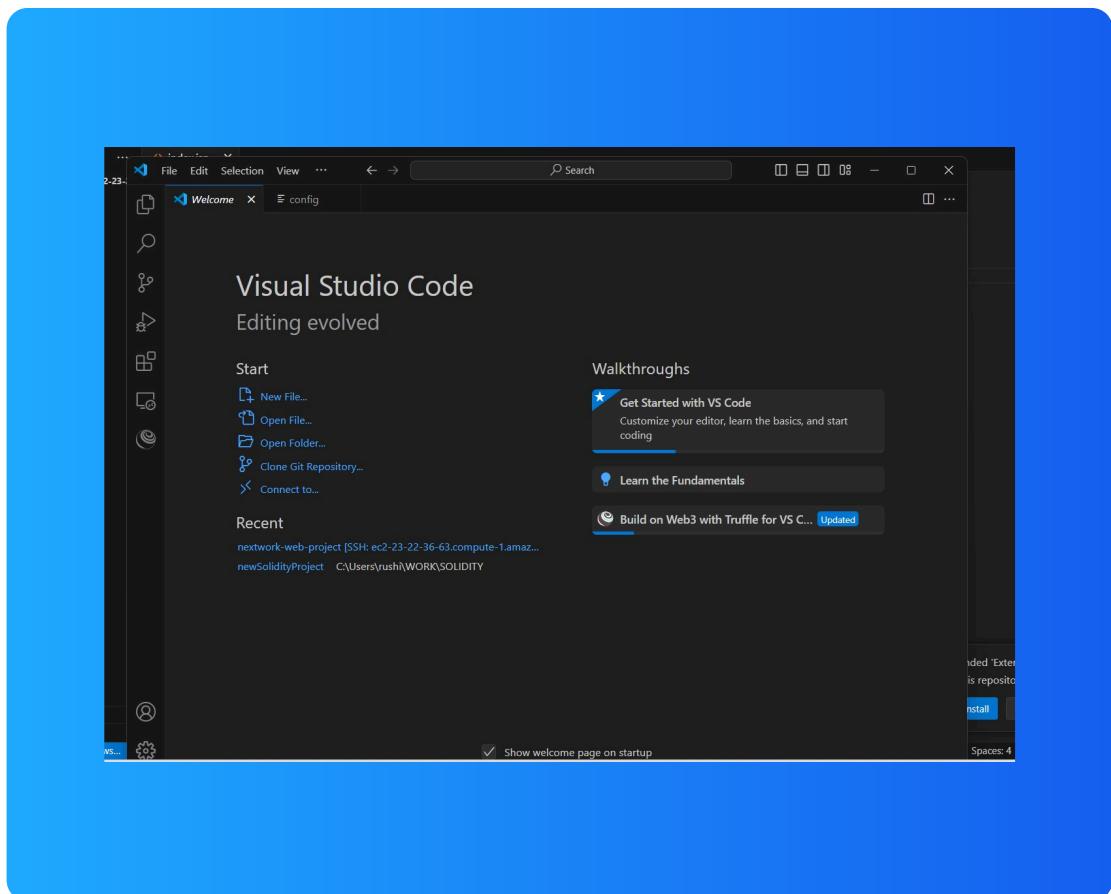




Build a Web App and IDE in AWS



Rushikesh





Introducing Today's Project!

What is AWS Cloud9 and why is it useful?

AWS Cloud9 is an IDE hosted on cloud

How I'm using Cloud9 in this project

Since AWS IDE is not more in use, i have used visual studio as my ide

One thing I didn't expect...

CLOUD9 Is no more in AWS

This project took me...

it took me 2 hrs

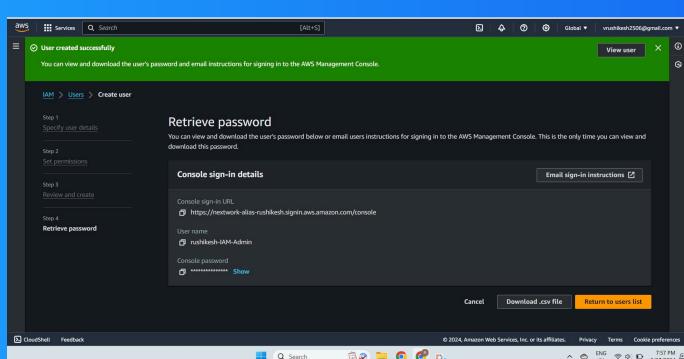
Set up an IAM User

A user is a person or a computer that can do things on the AWS cloud.

The importance of IAM users

IAM users can have limited access/ can have access to the stuff for only what they want to

I have created my IAM user with AdministratorAccess





Environments & IDEs

What is an environment?

Resources required to run and build your software application

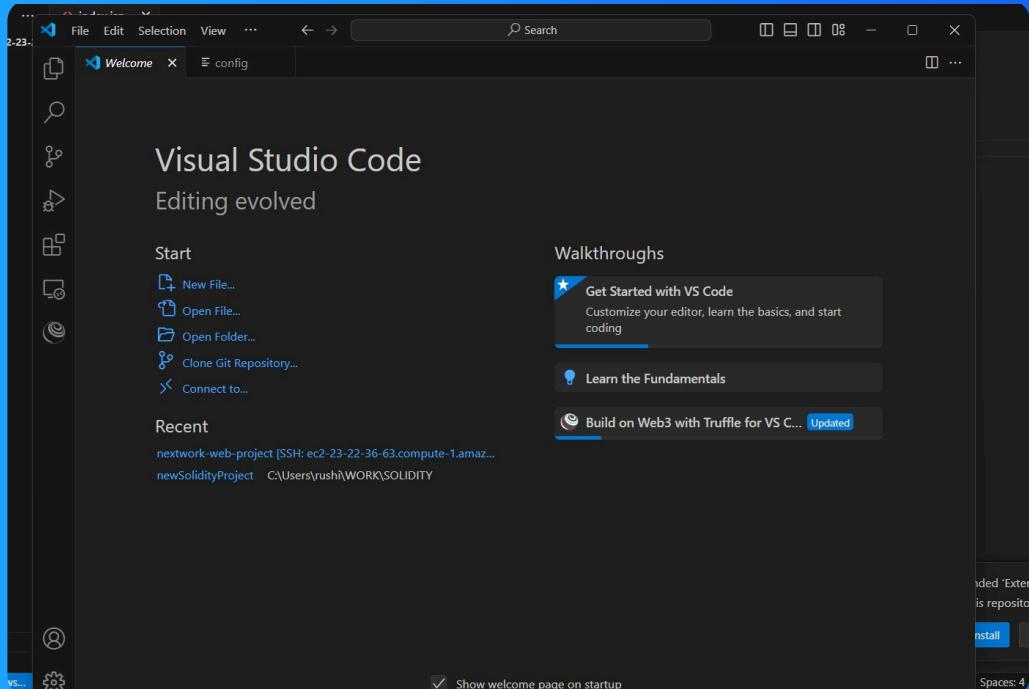
What is an IDE?

An IDE is a general term for software that help developers write, debug, and manage code efficiently. It's like a toolkit that includes everything you need to build software, such as a text editor, tools for running and testing your code, and often m

Launch a Cloud9 IDE

The benefit of using Cloud9

AWS Cloud9 is a specific type of IDE that's hosted on AWS. You can access it through a web browser from anywhere, without needing to install heavy software on your computer



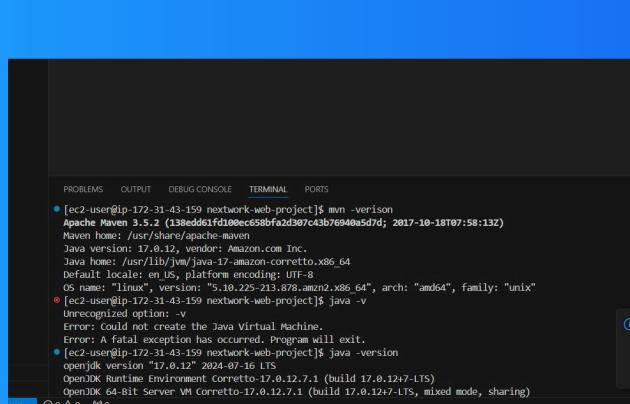
Maven & Java

Maven is a powerful tool that automates the building of software.

Maven is required in this project because it is a multi-step process that transforms code written by developers into a final product that is ready for computers to run. The key steps typically include: Compiling, Linking, Packaging, Testing

Java is a popular programming language. It is used to build different types of applications, from mobile apps to large enterprise systems.

To build a web application



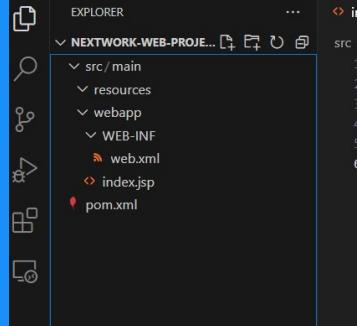
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
● [ec2-user@ip-172-31-43-159 nextwork-web-project]$ mvn -version
Apache Maven 3.5.2 (138dd61f2100ec658bf22d307c43b76940e5d7d; 2017-10-18T07:58:13Z)
Maven home: /usr/share/apache-maven
Java version: 17.0.12, vendor: Amazon.com Inc.
Java home: /usr/lib/jvm/java-17-amazon-corretto.x86_64
Default locale: en_US, platform encoding: UTF-8
OS name: "Linux", version: "5.10.225-213.878.amzn2.x86_64", arch: "amd64", family: "unix"
● [ec2-user@ip-172-31-43-159 nextwork-web-project]$ java -v
Unrecognized option: -v
Error: Could not create the Java Virtual Machine.
Error: A fatal exception has occurred. Program will exit.
● [ec2-user@ip-172-31-43-159 nextwork-web-project]$ java -version
openjdk version "17.0.12" 2024-07-16 LTS
OpenJDK Runtime Environment Corretto-17.0.12.7.1 (build 17.0.12+7-LTS)
OpenJDK 64-Bit Server VM Corretto-17.0.12.7.1 (build 17.0.12+7-LTS, mixed mode, sharing)
```

Create the Application

```
mvn archetype:generate \ -DgroupId=com.nextwork.app \ -  
DartifactId=nextwork-web-project \ -DarchetypeArtifactId=maven-archetype-  
webapp \ -DinteractiveMode=false
```

```
<html> <body> <h2>Hello <YOUR NAME>!</h2> <p>This is my NextWork  
web application working!</p> </body> </html>
```

```
<html> <body> <h2>Hello Rushikesh!</h2> <p>This is my NextWork web  
application working!</p> </body> </html>
```





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