Deploy Application on Cloud

```java
package com.example.springbootaws.api;


import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;


@SpringBootApplication

@RestController

public class springbootaws {


        @GetMapping("/")


        public String home(){

                return "Welcome to AWS...";

        }

        public static void main(String[] args) {

                SpringApplication.run(springbootaws.class, args);

        }

}
```

//pom.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
```

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>2.6.4</version>
        <relativePath/> <!-- lookup parent from repository
-->
    </parent>
    <groupId>com.example</groupId>
    <artifactId>springboot-aws-exp</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>war</packaging>
    <name>student-management-system-1</name>
    <description>Demo project for Spring Boot</description>
    <properties>
        <java.version>1.8</java.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-
web</artifactId>
        </dependency>

        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-
tomcat</artifactId>
            <scope>provided</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-
test</artifactId>
            <scope>test</scope>
```

```xml
        </dependency>
    </dependencies>

    <build>
        <plugins>
            <plugin>

    <groupId>org.springframework.boot</groupId>
                <artifactId>spring-boot-maven-
plugin</artifactId>
            </plugin>
        </plugins>
        <finalName>springboot-aws</finalName>
    </build>

</project>
```
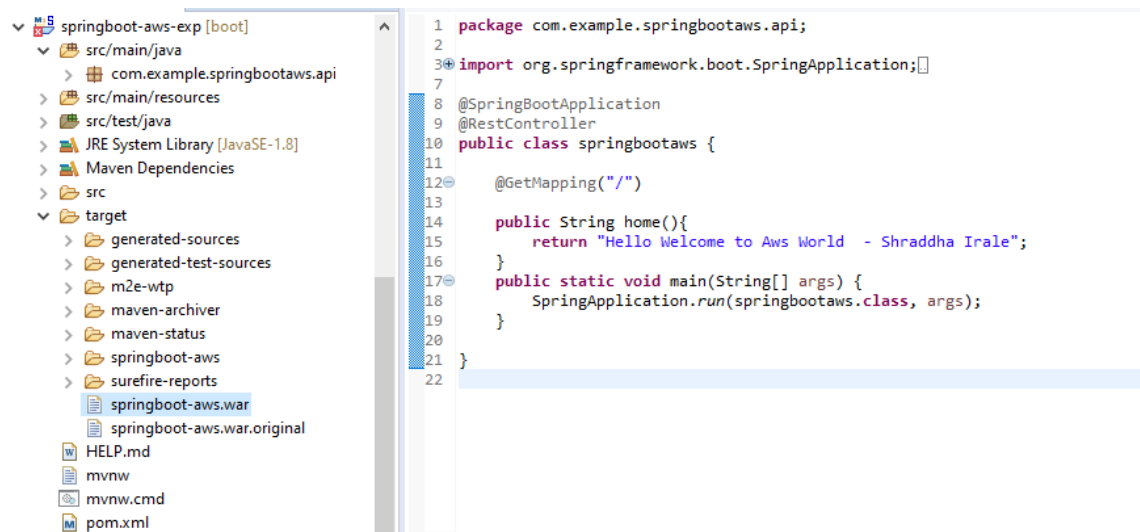


```
 1  package com.example.springbootaws.api;
 2
 3⊕ import org.springframework.boot.SpringApplication;
 7
 8  @SpringBootApplication
 9  @RestController
10  public class springbootaws {
11
12⊝     @GetMapping("/")
13
14      public String home(){
15          return "Hello Welcome to Aws World  - Shraddha Irale";
16      }
17⊝     public static void main(String[] args) {
18          SpringApplication.run(springbootaws.class, args);
19      }
20
21  }
22
```

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use **Amazon S3 inventory** ☑ to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. **Learn more** ☑

	Name ▲	Type ▽	Last modified ▽	Size ▽	Storage class ▽
☐	springboot-aws.war	war	March 8, 2022, 12:49:30 (UTC+05:30)	16.7 MB	Standard

Instances (1/3) Info

Connect   Instance state ▼   Actions ▼   **Launch instances** ▼

Q Search

Instance state = running ✕   Clear filters

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
☑	DOcker-dev-u...	i-0010631d61b288528	✓ Running	t2.micro	✓ 2/2 checks passed	No alarms +	ap-south-1a
☐	swarm-worker	i-00281d365318f794a	✓ Running	t2.micro	✓ 2/2 checks passed	No alarms +	ap-south-1a
☐	swarm-worker	i-0c2c1498faed90283	✓ Running	t2.micro	✓ 2/2 checks passed	No alarms +	ap-south-1a

Instance: i-0010631d61b288528 (DOcker-dev-ubuntu)

▼ Instance summary Info

Instance ID
📋 i-0010631d61b288528 (DOcker-dev-ubuntu)

Public IPv4 address
📋 13.232.19.242 | open address ↗

Private IPv4 addresses
📋 172.31.45.49

IPv6 address
–

Instance state
✓ Running

Public IPv4 DNS
📋 ec2-13-232-19-242.ap-south-1.compute.amazonaws.com | open address ↗

Hostname type
IP name: ip-172-31-45-49.ap-south-

Private IP DNS name (IPv4 only)
📋 ip-172-31-45-49.ap-south-1.compute.internal

Answer private resource DNS name
IPv4 (A)

```
Usage of /:                      62.7% of 7.69GB
Memory usage:                    40%
Swap usage:                      0%
Processes:                       116
Users logged in:                 1
IPv4 address for br-c6c950cae650: 172.18.0.1
IPv4 address for br-f9f80da4d654: 172.19.0.1
IPv4 address for docker0:        172.17.0.1
IPv4 address for eth0:           172.31.45.49

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

   https://ubuntu.com/aws/pro

25 updates can be applied immediately.
To see these additional updates run: apt list --upgradable


Last login: Tue Mar  8 06:50:47 2022 from 103.255.37.51
ubuntu@ip-172-31-45-49:~$ java -version
openjdk version "11.0.14" 2022-01-18
OpenJDK Runtime Environment (build 11.0.14+9-Ubuntu-0ubuntu2.20.04)
OpenJDK 64-Bit Server VM (build 11.0.14+9-Ubuntu-0ubuntu2.20.04, mixed mode, sharing)
ubuntu@ip-172-31-45-49:~$
```

i-0010631d61b288528 (DOcker-dev-ubuntu)

Public IPs: 13.232.19.242   Private IPs: 172.31.45.49

```
ubuntu@ip-172-31-45-49: ~                                        —    □    ✕

ubuntu@ip-172-31-45-49:~$ wget https://swapnali-apps.s3.ap-south-1.amazonaws.com
/springboot-aws.war
--2022-03-08 07:27:37--  https://swapnali-apps.s3.ap-south-1.amazonaws.com/sprin
gboot-aws.war
Resolving swapnali-apps.s3.ap-south-1.amazonaws.com (swapnali-apps.s3.ap-south-1
.amazonaws.com)... 52.219.66.23
Connecting to swapnali-apps.s3.ap-south-1.amazonaws.com (swapnali-apps.s3.ap-sou
th-1.amazonaws.com)|52.219.66.23|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17554696 (17M) [application/x-www-form-urlencoded]
Saving to: 'springboot-aws.war.2'

springboot-aws.war. 100%[===================>]  16.74M  52.6MB/s    in 0.3s

2022-03-08 07:27:37 (52.6 MB/s) - 'springboot-aws.war.2' saved [17554696/1755469
6]
```

```
ubuntu@ip-172-31-45-49: ~                                        —    □    ✕

ubuntu@ip-172-31-45-49:~$ java -jar springboot-aws.war.2


  .   ____          _            __ _ _
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( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.6.4)

2022-03-08 07:28:19.187  INFO 9322 --- [           main] c.e.springbootaws.api.s
pringbootaws        : Starting springbootaws v0.0.1-SNAPSHOT using Java 11.0.14 on
 ip-172-31-45-49 with PID 9322 (/home/ubuntu/springboot-aws.war.2 started by ubu
ntu in /home/ubuntu)
2022-03-08 07:28:19.200  INFO 9322 --- [           main] c.e.springbootaws.api.s
pringbootaws        : No active profile set, falling back to 1 default profile: "d
efault"
2022-03-08 07:28:21.473  INFO 9322 --- [           main] o.s.b.w.embedded.tomcat
.TomcatWebServer  : Tomcat initialized with port(s): 8080 (http)
2022-03-08 07:28:21.500  INFO 9322 --- [           main] o.apache.catalina.core.
StandardService   : Starting service [Tomcat]
2022-03-08 07:28:21.506  INFO 9322 --- [           main] org.apache.catalina.cor
e.StandardEngine  : Starting Servlet engine: [Apache Tomcat/9.0.58]
2022-03-08 07:28:21.648  INFO 9322 --- [           main] o.a.c.c.C.[Tomcat].[loc
```

Hello Welcome to Aws World - Swapnali Wakale