

## Deploy An Application on AWS

The image shows a Spring Tool Suite IDE window with a Java application named 'demo' being deployed to AWS Elastic Beanstalk. The IDE interface includes a Package Explorer on the left, a central editor showing the 'TestController.java' file, and a console window at the bottom displaying the application's output.

The 'TestController.java' file contains the following code:

```
1 package com.example.demo;
2
3 import org.springframework.web.bind.annotation.RestController;
4
5
6 @RestController
7 public class TestController {
8
9     @GetMapping("/") public String health()
10    {
11        return "Hello Ruchika Welcome to Capgemini ,SpringBoot Applicat
12    }
13
14 }
15
```

The console window shows the application's startup logs, including the following messages:

```
2023-11-20T14:34:39.054+05:30 INFO 25180 --- [main] o.apache.catalina.core.StandardService
2023-11-20T14:34:39.329+05:30 INFO 25180 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/]
2023-11-20T14:34:39.332+05:30 INFO 25180 --- [main] w.s.c.ServletWebServerApplicationContext
2023-11-20T14:34:40.229+05:30 INFO 25180 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer
2023-11-20T14:34:40.254+05:30 INFO 25180 --- [main] com.example.demo.DemoApplication
```

The AWS Elastic Beanstalk console shows the 'JavaApplication-env' environment. The environment overview displays the following details:

- Health: ✔ Ok
- Environment ID: e-9m2yatfqdv
- Domain: [JavaApplication-env.eba-gq5p46yd.ap-south-1.elasticbeanstalk.com](http://JavaApplication-env.eba-gq5p46yd.ap-south-1.elasticbeanstalk.com)
- Application name: Java Application

The console also shows a notification that the application was successfully uploaded to S3 and deployed to the environment.

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/details/EC2Role?section=permissions

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IAM > Roles > EC2Role

### EC2Role [Info](#)

Allows EC2 instances to call AWS services on your behalf.

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Creation date	ARN	Instance profile ARN
November 20, 2023, 14:09 (UTC+05:30)	arn:aws:iam::654712208647:role/EC2Role	arn:aws:iam::654712208647:instance-profile/EC2Role
Last activity	Maximum session duration	
-	1 hour	

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Not secure | javaapplication-env-eba-gg5p46yd.ap-south-1.elasticbeanstalk.com

Hello Ruchika Welcome to Capgemini ,SpringBoot Application Deployed Successfully!!!

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