

Week 5- Microservices with Spring Boot 3 and Spring Cloud

Account-service

Main

AccountServiceApplication.java

```
package com.example.accountservice;
```

```
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;
```

@SpringBootApplication

```
public class AccountServiceApplication {
    public static void main(String[] args) {
        SpringApplication.run(AccountServiceApplication.class, args);
    }
}
```

@RestController

```
class AccountController {
    @GetMapping("/account/{id}")
    public String getAccount(@PathVariable String id) {
        return "Account Details for ID: " + id;
    }
}
```

Application.properties

```
server.port=8081
```

pom.properties

```
#Generated by Maven Integration for Eclipse
```

```
#Fri Jul 18 16:30:32 IST 2025
```

```
artifactId=account-service
```

```
groupId=com.example
```

```
m2e.projectLocation=C:\\Users\\VIGNESH\\OneDrive\\Desktop\\week 5 Microservices
with Spring Boot 3 and Spring Cloud\\1-Creating Microservices for account and
loan\\code\\account-service
```

m2e.projectName=account-service
version=1.0.0

pom.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
    http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.example</groupId>
  <artifactId>account-service</artifactId>
  <version>1.0.0</version>
  <packaging>jar</packaging>
  <name>Account Service</name>
  <dependencies>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
  </dependencies>
  <build>
    <plugins>
      <plugin>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-maven-plugin</artifactId>
      </plugin>
    </plugins>
  </build>
</project>
```

MANIFEST.MF

Manifest-Version: 1.0
Build-Jdk-Spec: 23
Created-By: Maven Integration for Eclipse

Pom.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
    http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

```

<groupId>com.example</groupId>
<artifactId>account-service</artifactId>
<version>1.0.0</version>
<packaging>jar</packaging>
<name>Account Service</name>
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>
</dependencies>
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>
</project>

```

Loan-service

Pom.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
    http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.example</groupId>
  <artifactId>loan-service</artifactId>
  <version>1.0.0</version>
  <packaging>jar</packaging>
  <name>Loan Service</name>
  <dependencies>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
  </dependencies>

```

```
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>
</project>
```