

Account Output:

The screenshot shows the Eclipse IDE with the `AccountApplication.java` file open. The code is a Spring Boot application that runs `SpringApplication.run(AccountApplication.class, args);`. The console output shows the application starting and running several eviction tasks with various compensation times.

```
1 package com.example.account;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class AccountApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(AccountApplication.class, args);
11     }
12 }
13
14
```

Console Output:

```
eureka-server - EurekaServerApplication [Spring Boot App] C:\Program Files\Java\jdk-17\bin\javaw.exe. (15 Jul 2025, 7:27:32 pm elapsed: 1:45:20) [pid: 27408]
2025-07-15T20:58:39.365+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 14ms
2025-07-15T21:00:39.374+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:01:39.383+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 6ms
2025-07-15T21:02:39.383+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 11ms
2025-07-15T21:03:39.383+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:04:39.386+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:05:39.387+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 2ms
2025-07-15T21:06:39.402+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:07:39.413+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 15ms
2025-07-15T21:08:39.419+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 10ms
2025-07-15T21:09:39.423+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 6ms
2025-07-15T21:10:39.424+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 4ms
2025-07-15T21:11:39.427+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:12:39.712+05:30 INFO 27408 --- [hresholdUpdater] c.n.e.r.PeerAwareInstanceRegistryImpl : Current renewal threshold is : 3
2025-07-15T21:12:39.430+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 2ms
```

Loan output:

The screenshot shows the Eclipse IDE with the `LoanApplication.java` file open. The code is a Spring Boot application that runs `SpringApplication.run(LoanApplication.class, args);`. The console output shows the application starting and running several eviction tasks with various compensation times.

```
1 package com.cognizant.loan;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class LoanApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(LoanApplication.class, args);
11     }
12 }
13
14
```

Console Output:

```
eureka-server - EurekaServerApplication [Spring Boot App] C:\Program Files\Java\jdk-17\bin\javaw.exe. (15 Jul 2025, 7:27:32 pm elapsed: 1:54:13) [pid: 27408]
2025-07-15T21:07:39.413+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 10ms
2025-07-15T21:08:39.419+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 6ms
2025-07-15T21:09:39.423+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 4ms
2025-07-15T21:10:39.424+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T21:11:39.427+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 3ms
2025-07-15T21:12:39.712+05:30 INFO 27408 --- [hresholdUpdater] c.n.e.r.PeerAwareInstanceRegistryImpl : Current renewal threshold is : 3
2025-07-15T21:12:39.430+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 2ms
2025-07-15T21:13:39.436+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 11ms
2025-07-15T21:14:39.456+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 14ms
2025-07-15T21:15:39.457+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 1ms
2025-07-15T21:16:39.463+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 5ms
2025-07-15T21:17:39.470+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 7ms
2025-07-15T21:18:39.484+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 14ms
2025-07-15T21:19:39.486+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 1ms
2025-07-15T21:20:39.505+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 19ms
2025-07-15T21:21:39.514+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 9ms
```

eureka-discovery-server Output:

The screenshot displays an IDE with the following components:

- Top Bar:** Shows the project name "eureka-discovery-server" and the active file "EurekaDiscoveryServerApplication.java".
- Left Panel:** A file explorer showing the project structure, including directories like "src/main/java" and "src/main/resources".
- Editor:** Displays the code for "EurekaDiscoveryServerApplication.java". The code includes imports for Spring Boot and Eureka, and a main method that runs the application.
- Right Panel:** A console window showing the output of the application. It includes a timestamp, the Java version (17.0.2), and the Eureka server status (UP).

The console output shows the following sequence of events:

- 2025-07-15T21:27:49.937+05:30 INFO 25980 --- [restartedMain] w.s.c.ServletWebServerApplicationContext: Root WebApplicationContext: initialization completed in 1170 ms
- 2025-07-15T21:27:50.841+05:30 INFO 25980 --- [restartedMain] o.s.v.b.o.OptionalValidatorFactoryBean: Failed to set up a Bean Validation provider: jakarta.validation
- 2025-07-15T21:27:51.424+05:30 WARN 25980 --- [restartedMain] o.s.b.d.a.OptionalMetricsLoadServer: Unable to start MetricsLoadServer
- 2025-07-15T21:27:51.543+05:30 WARN 25980 --- [restartedMain] i.gurationLoadBalancerCaffeineWarnLogger: Spring Cloud LoadBalancer is currently working with the default
- 2025-07-15T21:27:51.557+05:30 INFO 25980 --- [restartedMain] o.s.c.n.eureka.InstanceInfoFactory: Setting initial instance status as: STARTING
- 2025-07-15T21:27:51.716+05:30 INFO 25980 --- [restartedMain] o.s.c.a.e.web.EndpointLinksResolver: Exposing 1 endpoint beneath base path '/actuator'
- 2025-07-15T21:27:51.769+05:30 INFO 25980 --- [restartedMain] o.s.c.n.e.s.EurekaServiceRegistry: Registering application UNKNOWN with eureka with status UP
- 2025-07-15T21:27:51.779+05:30 INFO 25980 --- [Thread-13] o.s.c.n.e.s.server.EurekaServerBootstrap: Lower returned false
- 2025-07-15T21:27:51.779+05:30 INFO 25980 --- [Thread-13] o.s.c.n.e.s.server.EurekaServerBootstrap: Initialized server context
- 2025-07-15T21:27:51.781+05:30 INFO 25980 --- [Thread-13] e.s.EurekaServerInitializerConfiguration: Started Eureka Server
- 2025-07-15T21:27:51.789+05:30 INFO 25980 --- [restartedMain] o.s.b.w.embedded.Tomcat.TomcatWebServer: Tomcat started on port 8777 (http) with context path '/'
- 2025-07-15T21:27:51.791+05:30 INFO 25980 --- [restartedMain] s.c.n.e.s.s.EurekaAutoServiceRegistration: Updating port to 8777
- 2025-07-15T21:27:51.905+05:30 INFO 25980 --- [restartedMain] c.c.e.EurekaDiscoveryServerApplication: Started EurekaDiscoveryServerApplication in 3.661 seconds (pro
- 2025-07-15T21:27:52.602+05:30 INFO 25980 --- [on(4)-127.0.0.1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
- 2025-07-15T21:27:52.683+05:30 INFO 25980 --- [on(4)-127.0.0.1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
- 2025-07-15T21:27:52.684+05:30 INFO 25980 --- [on(4)-127.0.0.1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms

Environment: test

Data center: default

Current time: 2025-07-15T21:49:40 +0530

Uptime: 02:22

Lease expiration enabled: true

Renews threshold: 3

Renews (last min): 4

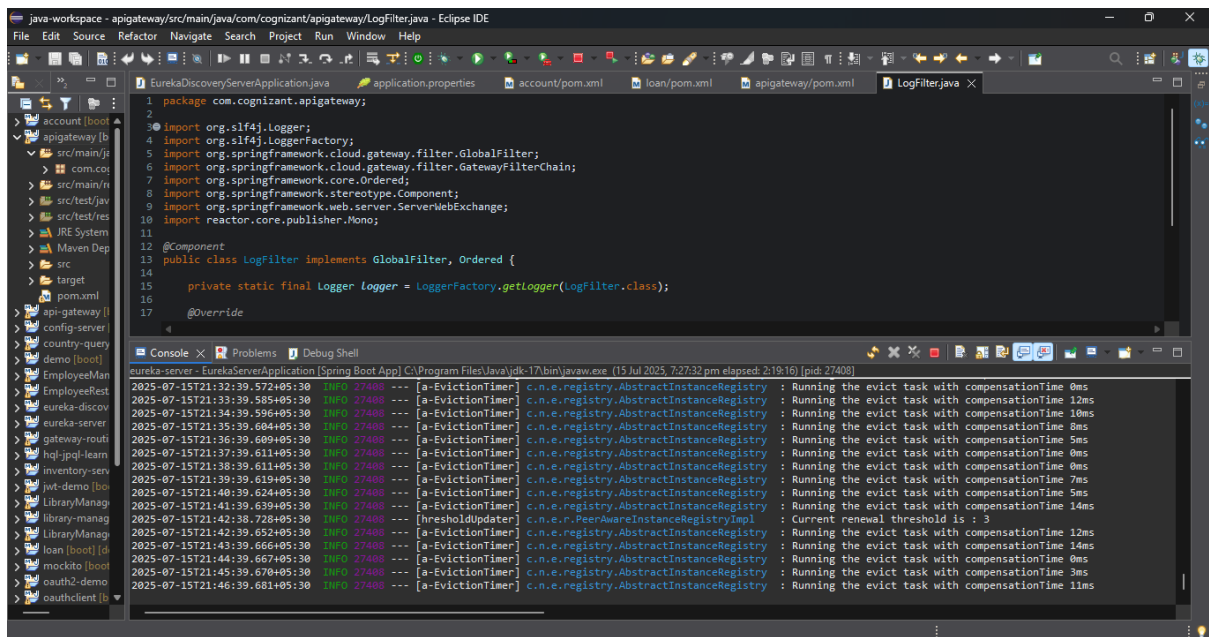
DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	DOWN (1) - sowbiapi-gateway:8080

Apigateway Output:



The screenshot displays the Eclipse IDE environment. The top pane shows the source code of `LogFilter.java` in the `com.cognizant.apigateway` package. The code includes imports for `org.slf4j.Logger`, `org.slf4j.LoggerFactory`, `org.springframework.cloud.gateway.filter.GlobalFilter`, `org.springframework.cloud.gateway.filter.GatewayFilterChain`, `org.springframework.core.Ordered`, `org.springframework.stereotype.Component`, `org.springframework.web.server.ServerWebExchange`, and `reactor.core.publisher.Mono`. The class `LogFilter` implements `GlobalFilter` and `Ordered`, with a static logger and an overridden `@Override` method.

The bottom pane shows the console output of the application. The output consists of a series of log messages from the `EvictionTimer` and `AbstractInstanceRegistry` classes, indicating the running of eviction tasks with various compensation times. The messages are timestamped and include the thread name `INFO` and the class name `com.cognizant.apigateway`.

```
2025-07-15T12:32:39.572+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T12:33:39.585+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 12ms
2025-07-15T12:34:39.596+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 10ms
2025-07-15T12:35:39.604+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 8ms
2025-07-15T12:36:39.609+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 5ms
2025-07-15T12:37:39.611+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T12:38:39.611+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T12:39:39.619+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 7ms
2025-07-15T12:40:39.624+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 5ms
2025-07-15T12:41:39.639+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 14ms
2025-07-15T12:42:39.652+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 12ms
2025-07-15T12:43:39.666+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 14ms
2025-07-15T12:44:39.667+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T12:45:39.678+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 3ms
2025-07-15T12:46:39.681+05:30 INFO 27408 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 11ms
```