



File Edit Selection View Go Run



EXPLORER

...

▼ CUSTOMER RELATION... [+] [-] ⌂ ⌂ ⌂ ⌂

> api-gateway\api-gateway

> config-server

> customer-service\customer-service

> employee-service

> lead-service

> marketing-service

> sales-service

> service-registry

> support-and-analytics-service





EXPLORER

...

▼ CUSTOMER RELATIONSHIP MANAG... [+] ⌂ ⌂ ⌂ ⌂

customer-service\customer-service

> .mvn

▼ src

 ▼ main

 ▼ java\com\example\customer_service

 > Controller

 ▼ Entity

 J Account.java

 J Activity.java

 J Case.java

 J Contact.java

 J Customer.java

 J KnowledgeArticle.java

 > Repository

 > Service

 J CustomerServiceApplication.java

 > resources

 > test

 > target

 diamond .gitignore

 blue arrow HELP.md



EXPLORER

...

▼ CUSTOMER RELATIONSHIP MANAG... [+] [-] ⌂ ⌃ ⌄

▼ employee-service\employee-service

> .mvn

▼ src

▼ main

▼ java\com\example\employee_service

> Controller

▼ Entity

J Attendance.java

J Employee.java

J Payroll.java

J PerformanceReview.java

J Team.java

J Training.java

> Repository

> Service

J EmployeeServiceApplication.java

> resources

> test

> target

❖ .gitignore

⬇ HELP.md



EXPLORER

...

CUSTOMER RELATIONSHIP MANAG...

lead-service\lead-service

> .mvn

src

main

java\com\example\lead_service

> Controller

Entity

Lead.java

LeadActivity.java

LeadScore.java

LeadSource.java

LeadStatus.java

> Repository

> Service

LeadServiceApplication.java

> resources

> test

> target

.gitignore

HELP.md

mvnw



EXPLORER

...

✓ CUSTOMER RELATIONSHIP MANAG...

✓ marketing-service\marketing-service

> .mvn

< src

< main

< java\com\example\marketing_service

> Controller

< Entity

J Campaign.java

J CampaignActivity.java

J Event.java

J MarketingList.java

J Survey.java

> Repository

> Service

J MarketingServiceApplication.java

> resources

> test

> target

.gitignore

HELP.md

mvnw

File Edit Selection View Go Run ...



EXPLORER

...

▼ CUSTOMER RELATIONSHIP MANAG... [+] [-] ⌂ ⌁ ⌂



▼ sales-service\sales-service

> .mvn



▼ src

 ▼ main



 ▼ java\com\example\sales_service

 > Controller



 ▼ Entity

 J Invoice.java

 J Opportunity.java

 J Order.java

 J Product.java

 J Quote.java

 J SalesTarget.java



 > Repository



 > Service

 J SalesServiceApplication.java

 > resources

 > test

 > target

 ↳ .gitignore

 ↳ HFI P md



EXPLORER

...



CUSTOMER RELATIONSHIP MANAGEMENT



- support-and-analytics-service\support-and-analytics-service
 - .mvn



- src

- main



- java\com\example\support_and_analytics_service

- Client

- Config

- Controller

- DTO



- Entity



- AnalyticsReport.java

- Customer.java

- Feedback.java

- PerformanceMetric.java

- SupportTicket.java

- Survey.java

- SurveyResponse.java

- Repository

- Service

- SupportAndAnalyticsServiceApplication.java

- resources

The screenshot shows a Java development environment with the following interface elements:

- Top Bar:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** customer relationship management
- Terminal Tab:** TERMINAL
- Terminal Output:** The terminal window displays the following Maven command execution:

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd service-registry
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\service-registry> cd service-registry
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\service-registry\service-registry> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:service-registry >-----
[INFO] Building service-registry 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ service-registry >>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ service-registry ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ service-registry ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ service-registry ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\service-registry\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ service-registry ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ service-registry <<<
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ service-registry ---
[INFO] Attaching agents: []
```
- Right Sidebar:** Shows a list of Java files and PowerShell scripts.
- Bottom Status Bar:** Java: Ready, Go Live, etc.

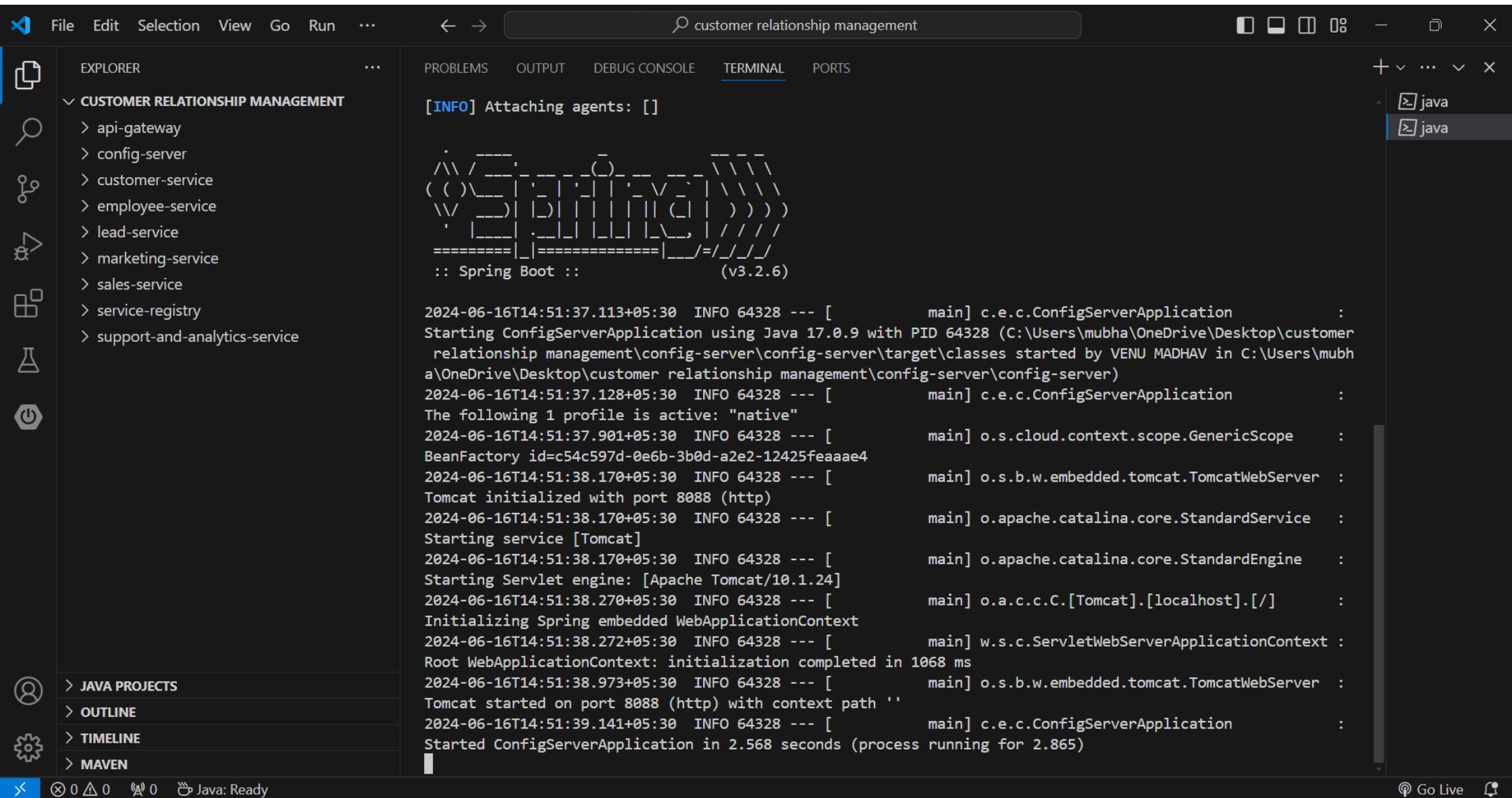
The screenshot shows a Java IDE interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** customer relationship management
- Toolbars:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (selected), PORTS
- Terminal Content:** A log of service registry initialization and configuration. Key logs include:
 - INFO 160608 --- [service-registry] [main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1718529660100 with initial instances count: 0
 - INFO 160608 --- [service-registry] [main] c.n.eureka.DefaultEurekaServerContext : Initializing ...
 - WARN 160608 --- [service-registry] [main] c.n.eureka.cluster.PeerEurekaNodes : The replica size seems to be empty. Check the route 53 DNS Registry
 - INFO 160608 --- [service-registry] [main] c.n.e.registry.AbstractInstanceRegistry : Finished initializing remote region registries. All known remote regions: []
 - INFO 160608 --- [service-registry] [main] c.n.eureka.DefaultEurekaServerContext : Initialized
 - INFO 160608 --- [service-registry] [main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint(s) beneath base path '/actuator'
 - INFO 160608 --- [service-registry] [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application SERVICE-REGISTRY with eureka with status UP
 - INFO 160608 --- [service-registry] [Thread-9] o.s.c.n.e.server.EurekaServerBootstrap : isAws returned false
 - INFO 160608 --- [service-registry] [Thread-9] o.s.c.n.e.server.EurekaServerBootstrap : Initialized server context
 - INFO 160608 --- [service-registry] [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Got 1 instances from neighboring DS node
 - INFO 160608 --- [service-registry] [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Renew threshold is: 1
 - INFO 160608 --- [service-registry] [Thread-9] c.n.e.r.PeerAwareInstanceRegistryImpl : Changing status to UP
 - INFO 160608 --- [service-registry] [Thread-9] e.s.EurekaServerInitializerConfiguratio : Started Eureka Server
 - INFO 160608 --- [service-registry] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8761 (http) with context path ''
 - INFO 160608 --- [service-registry] [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 8761
 - INFO 160608 --- [service-registry] [main] c.e.s.ServiceRegistryApplication : Started ServiceRegistryApplication in 4.949 seconds (process running for 5.296)
- Sidebar:** EXPLORER, CUSTOMER RELATIONSHIP MANAGEMENT (api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, support-and-analytics-service), JAVA PROJECTS, OUTLINE, TIMELINE, MAVEN.
- Bottom:** Status bar showing Java: Ready, Go Live, and other icons.

The screenshot shows a Java development environment interface, likely IntelliJ IDEA or a similar IDE, with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Title Bar:** customer relationship management
- Terminal Tab:** TERMINAL (selected)
- Terminal Output:**

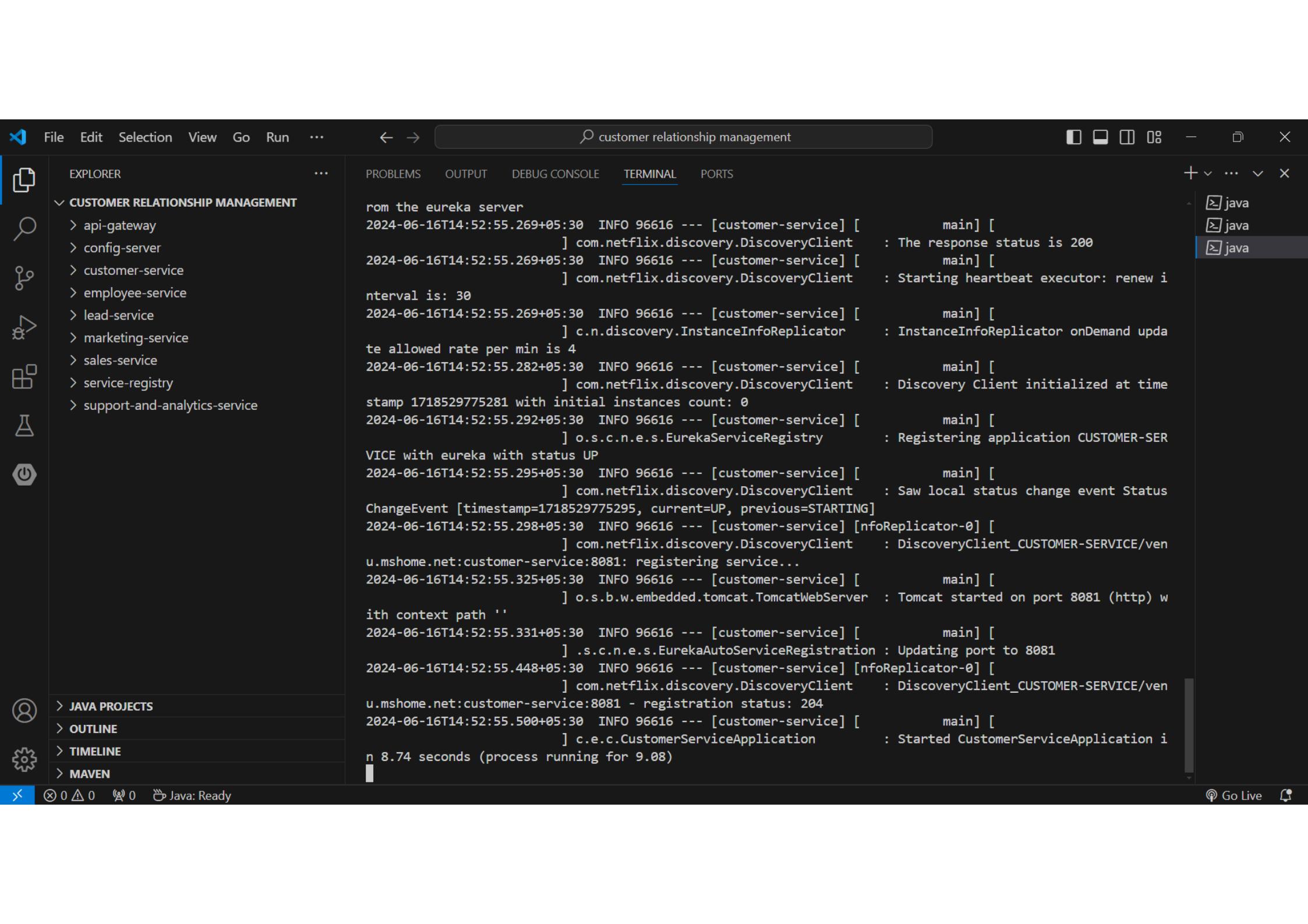
```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd config-server
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\config-server> cd config-server
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\config-server\config-server> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:config-server >-----
[INFO] Building config-server 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ config-server >>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ config-server ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 6 resources from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ config-server ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ config-server ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\config-server\config-server\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ config-server ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ config-server <<<
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ config-server ---
[INFO] Attaching agents: []
```
- Sidebar:** EXPLORER, CUSTOMER RELATIONSHIP MANAGEMENT (api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, support-and-analytics-service), JAVA PROJECTS, OUTLINE, TIMELINE, MAVEN.
- Bottom Status Bar:** Java: Ready, Go Live, etc.



The screenshot shows a Java development environment with the following interface elements:

- Top Bar:** File, Edit, Selection, View, Go, Run, ...
- Toolbar:** Back, Forward, Search bar (containing "customer relationship management"), Minimize, Maximize, Close.
- Sidebar:** EXPLORER, CUSTOMER RELATIONSHIP MANAGEMENT (expanded, showing api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, support-and-analytics-service), JAVA PROJECTS, OUTLINE, TIMELINE, MAVEN.
- Terminal Tab:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (selected), PORTS.
- Terminal Content:** A command-line session output in green and blue text:

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd customer-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\customer-service> cd customer-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\customer-service\customer-service> mvn
spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:customer-service >-----
[INFO] Building customer-service 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ customer-service >>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ customer-service ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ customer-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ customer-service ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\customer-service\customer-service\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ customer-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ customer-service <<<
[INFO]
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ customer-service ---
[INFO] Attaching agents: []
```
- Right Sidebar:** java (repeated three times).
- Bottom Bar:** Status icons (File, Java, Ready), Go Live, Help.



The screenshot shows a Java development environment interface, likely IntelliJ IDEA or a similar IDE, with the following details:

- Top Bar:** File, Edit, Selection, View, Go, Run, ...
- Title Bar:** customer relationship management
- Terminal Tab:** TERMINAL
- Terminal Output:** The terminal is running a Maven build for the "employee-service" module of a "customer relationship management" project. The command sequence is:

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd employee-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\employee-service> cd employee-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\employee-service\employee-service> mvn
spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:employee-service >-----
[INFO] Building employee-service 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ employee-service >>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ employee-service ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ employee-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ employee-service ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management
\employee-service\employee-service\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ employee-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ employee-service <<<
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ employee-service ---
[INFO] Attaching agents: []
```
- Sidebar:** EXPLORER, PROBLEMS, OUTPUT, DEBUG CONSOLE, PORTS, JAVA PROJECTS, OUTLINE, TIMELINE, MAVEN.
- Status Bar:** Java: Ready, Go Live, etc.

File Edit Selection View Go Run ... ← → 🔍 customer relationship management

EXPLORER ... PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS + ⌂ ⌂ ⌂ ⌂ ⌂ - ⌂ X

CUSTOMER RELATIONSHIP MANAGEMENT

- > api-gateway
- > config-server
- > customer-service
- > employee-service
- > lead-service
- > marketing-service
- > sales-service
- > service-registry
- > support-and-analytics-service

from the eureka server

```
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: The response status is 200
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Starting heartbeat executor: renew
interval is: 30
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [c.n.d.InstanceInfoReplicator]: Instance allowed rate per min is 4
2024-06-16T14:54:03.314+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Discovery Client initialized at timestamp 1718529843314 with initial instances count: 1
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [main] [o.s.c.n.e.s.EurekaServiceRegistry]: Registering application EMPLOYEE-SERVICE with eureka with status UP
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Saw local status change event StatusChangeEvent [timestamp=1718529843325, current=UP, previous=STARTING]
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [infoReplicator-0] [com.netflix.discovery.DiscoveryClient]: DiscoveryClient_EMPLOYEE-SERVICE/venu.mshome.net:employee-service:8083: registering service...
2024-06-16T14:54:03.372+05:30 INFO 137612 --- [employee-service] [main] [o.s.b.w.embedded.tomcat.TomcatWebServer]: Tomcat started on port 8083 (http) with context path ''
2024-06-16T14:54:03.372+05:30 INFO 137612 --- [employee-service] [main] [.s.c.n.e.s.EurekaAutoServiceRegistration]: Updating port to 8083
2024-06-16T14:54:03.391+05:30 INFO 137612 --- [employee-service] [infoReplicator-0] [com.netflix.discovery.DiscoveryClient]: DiscoveryClient_EMPLOYEE-SERVICE/venu.mshome.net:employee-service:8083 - registration status: 204
2024-06-16T14:54:03.537+05:30 INFO 137612 --- [employee-service] [main] [c.e.e.EmployeeServiceApplication]: Started EmployeeServiceApplication in 7.488 seconds (process running for 7.864)
```

java
java
java
java

EXPLORER ... PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS + ⌂ ⌂ ⌂ ⌂ ⌂ - ⌂ X

CUSTOMER RELATIONSHIP MANAGEMENT

- > api-gateway
- > config-server
- > customer-service
- > employee-service
- > lead-service
- > marketing-service
- > sales-service
- > service-registry
- > support-and-analytics-service

from the eureka server

```
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: The response status is 200
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Starting heartbeat executor: renew
interval is: 30
2024-06-16T14:54:03.295+05:30 INFO 137612 --- [employee-service] [main] [c.n.d.InstanceInfoReplicator]: Instance allowed rate per min is 4
2024-06-16T14:54:03.314+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Discovery Client initialized at timestamp 1718529843314 with initial instances count: 1
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [main] [o.s.c.n.e.s.EurekaServiceRegistry]: Registering application EMPLOYEE-SERVICE with eureka with status UP
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [main] [com.netflix.discovery.DiscoveryClient]: Saw local status change event StatusChangeEvent [timestamp=1718529843325, current=UP, previous=STARTING]
2024-06-16T14:54:03.325+05:30 INFO 137612 --- [employee-service] [infoReplicator-0] [com.netflix.discovery.DiscoveryClient]: DiscoveryClient_EMPLOYEE-SERVICE/venu.mshome.net:employee-service:8083: registering service...
2024-06-16T14:54:03.372+05:30 INFO 137612 --- [employee-service] [main] [o.s.b.w.embedded.tomcat.TomcatWebServer]: Tomcat started on port 8083 (http) with context path ''
2024-06-16T14:54:03.372+05:30 INFO 137612 --- [employee-service] [main] [.s.c.n.e.s.EurekaAutoServiceRegistration]: Updating port to 8083
2024-06-16T14:54:03.391+05:30 INFO 137612 --- [employee-service] [infoReplicator-0] [com.netflix.discovery.DiscoveryClient]: DiscoveryClient_EMPLOYEE-SERVICE/venu.mshome.net:employee-service:8083 - registration status: 204
2024-06-16T14:54:03.537+05:30 INFO 137612 --- [employee-service] [main] [c.e.e.EmployeeServiceApplication]: Started EmployeeServiceApplication in 7.488 seconds (process running for 7.864)
```

java
java
java
java

EXPLORER ... PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS + ⌂ ⌂ ⌂ ⌂ ⌂ - ⌂ X

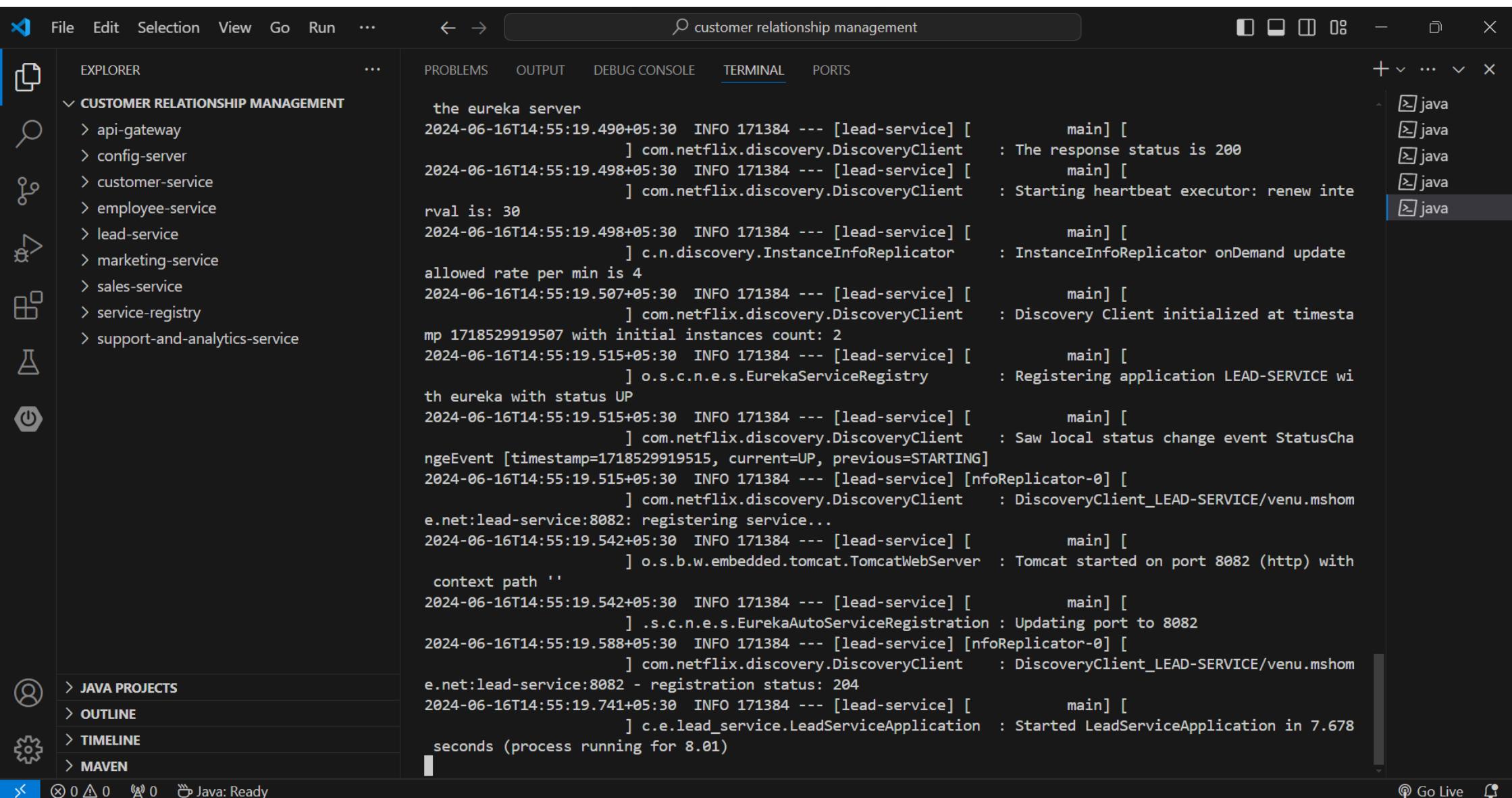
CUSTOMER RELATIONSHIP MANAGEMENT

- > api-gateway
- > config-server
- > customer-service
- > employee-service
- > lead-service
- > marketing-service
- > sales-service
- > service-registry
- > support-and-analytics-service

The screenshot shows a Java development environment interface, likely IntelliJ IDEA or a similar IDE, with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Title Bar:** customer relationship management
- Terminal Tab:** The terminal tab is active, showing the output of a Maven build command for a Spring Boot application.
- Terminal Content:**

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd lead-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\lead-service> cd lead-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\lead-service\lead-service> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:lead-service >-----
[INFO] Building lead-service 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ lead-service >>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ lead-service ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ lead-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ lead-service ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\lead-service\lead-service\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ lead-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ lead-service <<<
[INFO]
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ lead-service ---
[INFO] Attaching agents: []
```
- Sidebar:** Shows sections for EXPLORER, CUSTOMER RELATIONSHIP MANAGEMENT (with sub-items: api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, support-and-analytics-service), JAVA PROJECTS, OUTLINE, TIMELINE, and MAVEN.
- Bottom Status Bar:** Shows Java: Ready and other system status indicators.

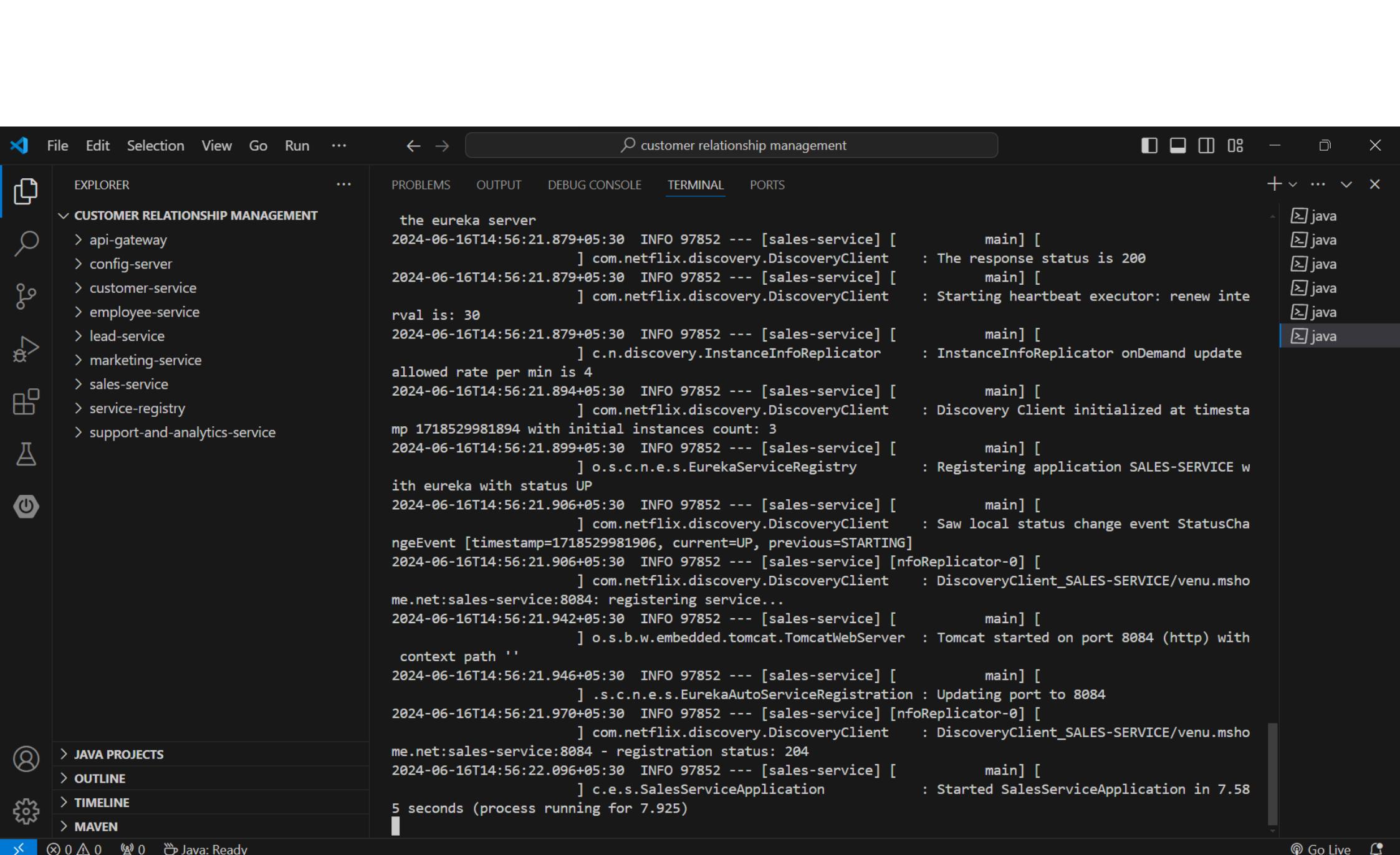


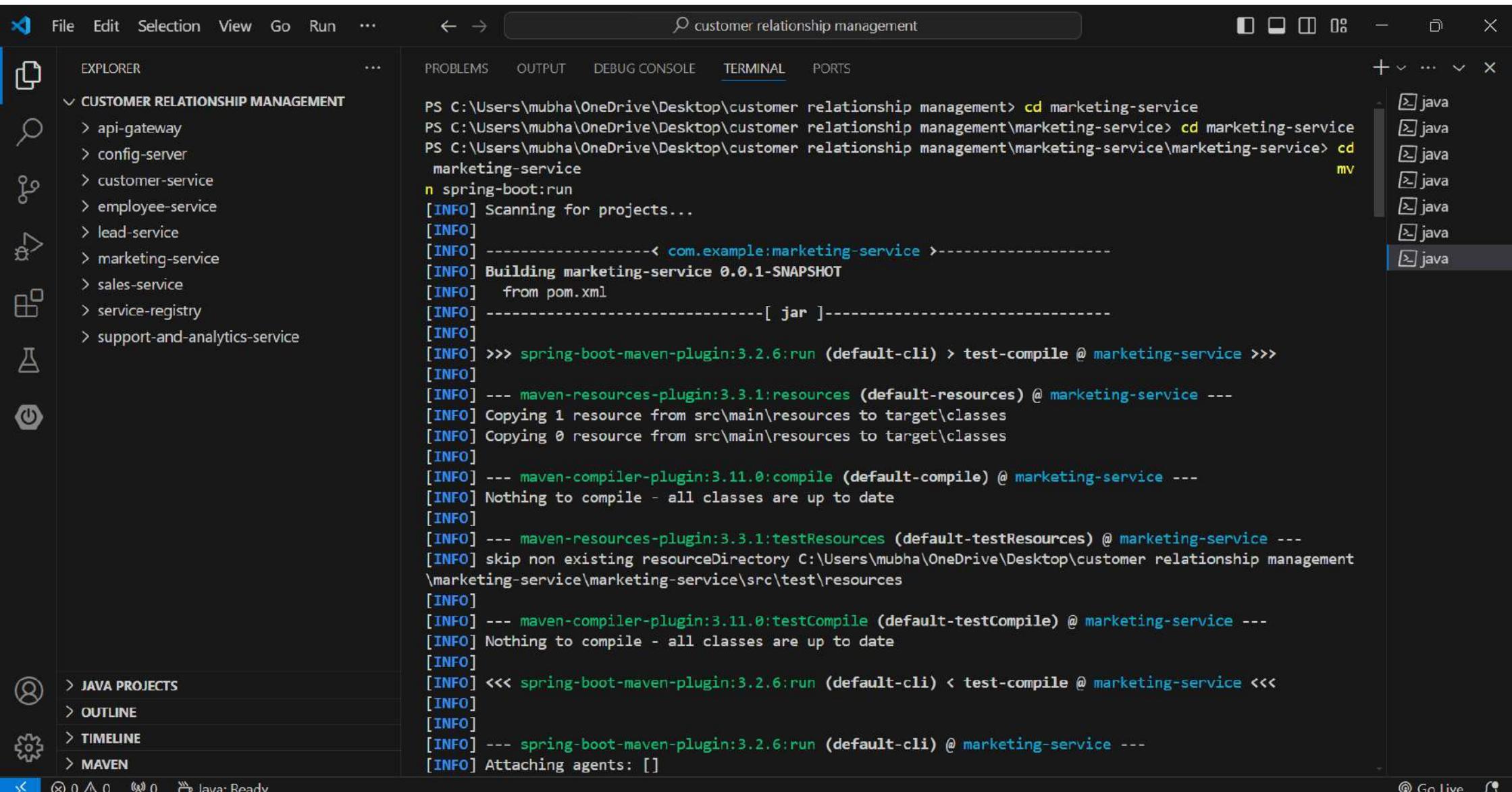
The screenshot shows a Java development environment with the following interface elements:

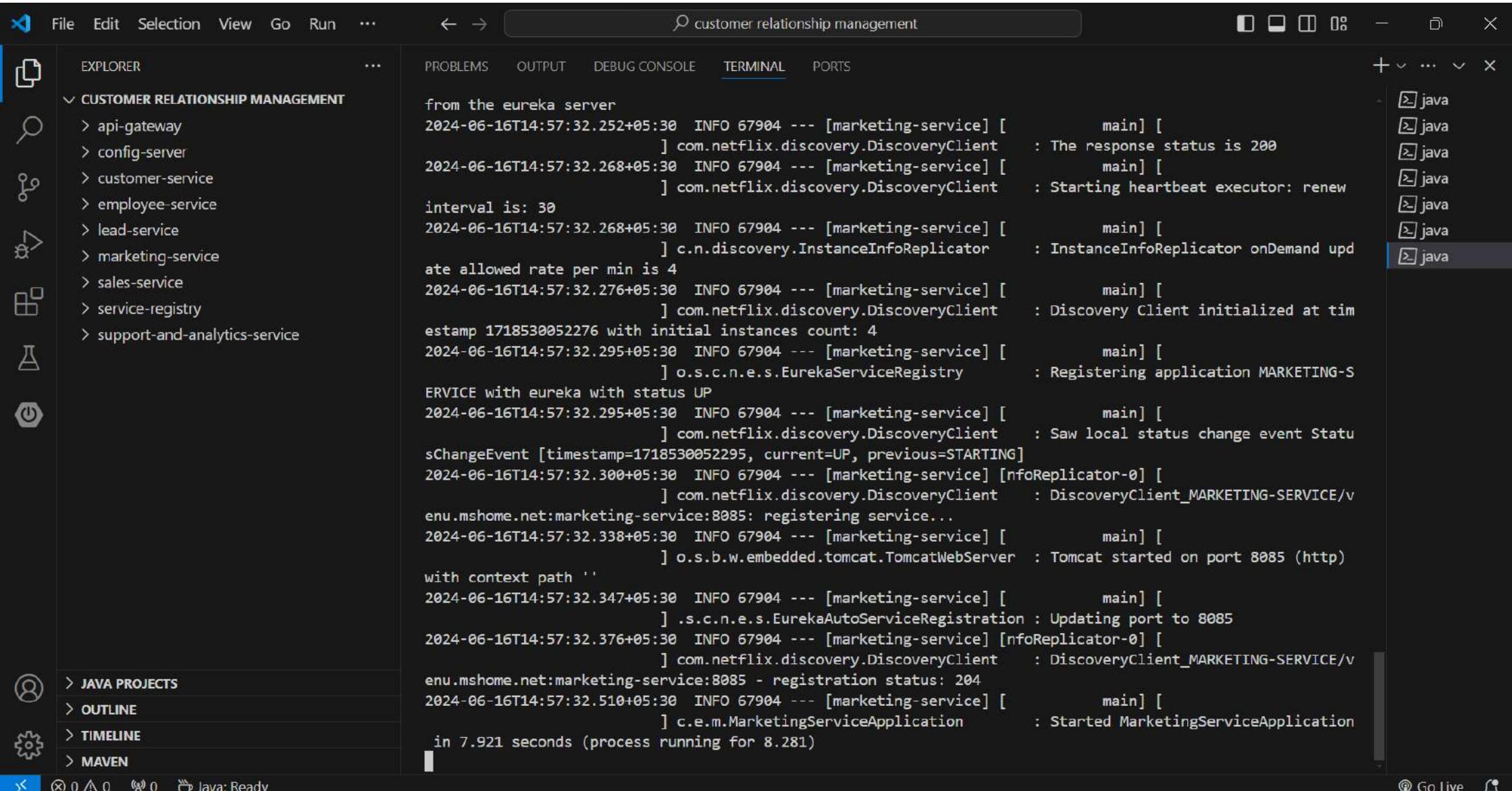
- File Edit Selection View Go Run ...**: The top navigation bar.
- customer relationship management**: The title bar.
- EXPLORER**: A sidebar icon.
- CUSTOMER RELATIONSHIP MANAGEMENT**: A tree view under the Explorer icon, listing services: api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, and support-and-analytics-service.
- PROBLEMS**, **OUTPUT**, **DEBUG CONSOLE**, **TERMINAL**, **PORTS**: Tabs in the main area.
- TERMINAL** tab is selected, displaying the following Maven command output:

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd sales-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\sales-service> cd sales-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\sales-service\sales-service> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:sales-service >-----
[INFO] Building sales-service 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ sales-service >>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ sales-service ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ sales-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ sales-service ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\sales-service\sales-service\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ sales-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ sales-service <<<
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ sales-service ---
[INFO] Attaching agents: []
```

The terminal output shows the Maven command `mvn spring-boot:run` being executed in the `sales-service` directory. The process involves building the project, copying resources, compiling code, and running tests. The output indicates that no changes are needed for compilation as all classes are up-to-date. Finally, it attaches agents to the application.



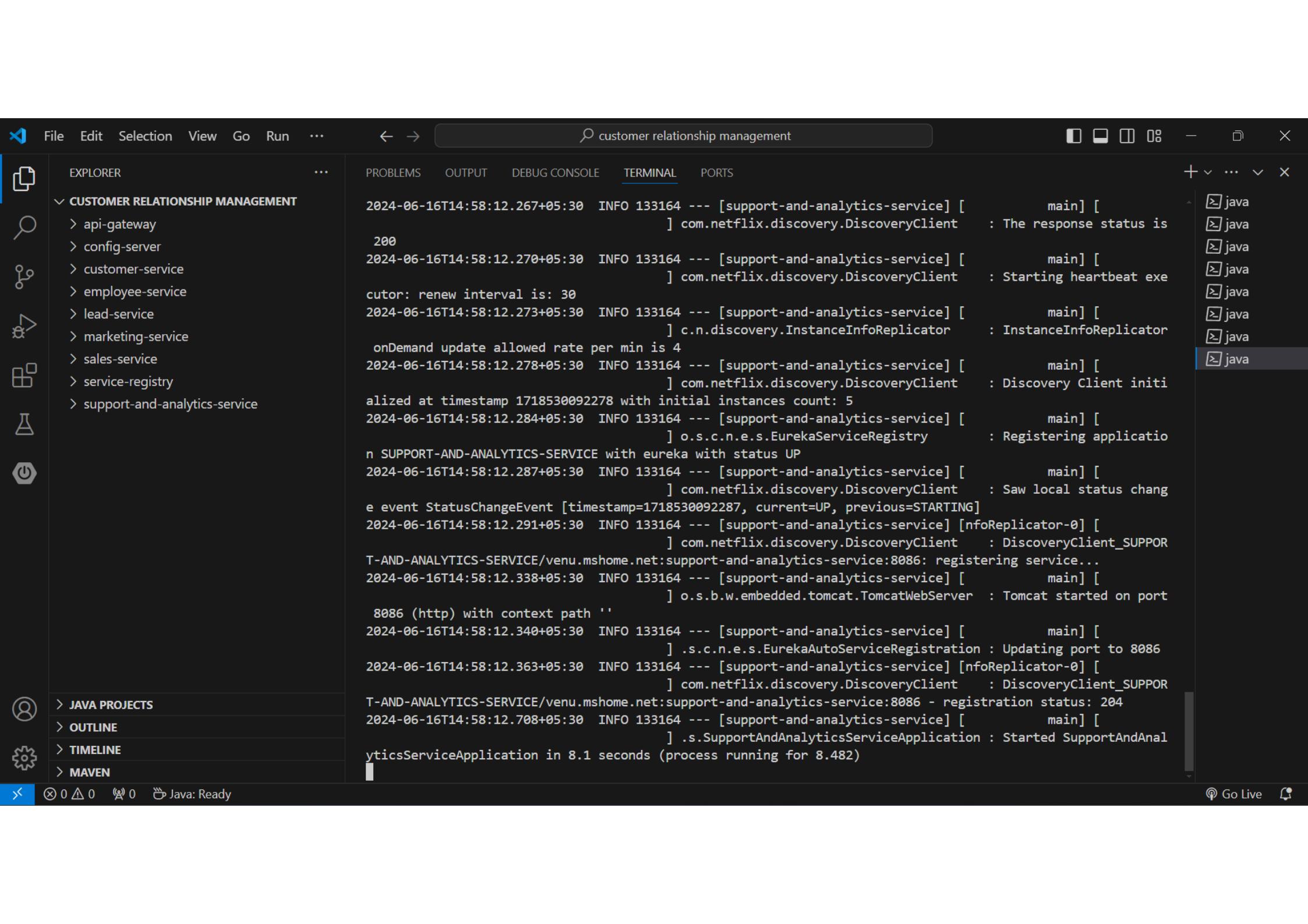




The screenshot shows a Java development environment interface, likely IntelliJ IDEA or a similar IDE, with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Title Bar:** customer relationship management
- Toolbars:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (selected), PORTS
- Left Sidebar (EXPLORER):** CUSTOMER RELATIONSHIP MANAGEMENT (expanded) containing api-gateway, config-server, customer-service, employee-service, lead-service, marketing-service, sales-service, service-registry, and support-and-analytics-service.
- Right Sidebar:** A vertical list of 10 files, all ending in .java, indicating they are part of the project.
- Terminal:** Displays the command-line output of a Maven build for the support-and-analytics-service module.

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd support-and-analytics-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\support-and-analytics-service> cd support-and-analytics-service
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\support-and-analytics-service\support-and-analytics-service> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:support-and-analytics-service >-----
[INFO] Building support-and-analytics-service 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ support-and-analytics-service
>>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ support-and-analytics-service ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ support-and-analytics-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ support-and-analytics-service ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\support-and-analytics-service\support-and-analytics-service\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ support-and-analytics-service ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ support-and-analytics-service
<<<
```
- Bottom Status Bar:** Java: Ready, Go Live, and other icons.



The screenshot shows a Java development environment with a terminal window open. The terminal is displaying the output of a Maven command being run on a Spring Boot project named 'api-gateway'. The command is `mvn spring-boot:run`. The output shows the Maven build process, including scanning for projects, building the API gateway from its pom.xml, creating a jar file, and performing various plugin executions like maven-resources-plugin and maven-compiler-plugin. The terminal also shows the attachment of agents to the application.

```
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management> cd api-gateway
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\api-gateway> cd api-gateway
PS C:\Users\mubha\OneDrive\Desktop\customer relationship management\api-gateway\api-gateway> mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:api-gateway >-----
[INFO] Building api-gateway 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot-maven-plugin:3.2.6:run (default-cli) > test-compile @ api-gateway >>>
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ api-gateway ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ api-gateway ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ api-gateway ---
[INFO] skip non existing resourceDirectory C:\Users\mubha\OneDrive\Desktop\customer relationship management\api-gateway\api-gateway\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ api-gateway ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] <<< spring-boot-maven-plugin:3.2.6:run (default-cli) < test-compile @ api-gateway <<<
[INFO]
[INFO] --- spring-boot-maven-plugin:3.2.6:run (default-cli) @ api-gateway ---
[INFO] Attaching agents: []
```

The screenshot shows a Java application running in a terminal window of an IDE. The terminal tab is labeled "TERMINAL". The output shows the application's startup logs, indicating it is a Spring Boot application using Netflix Eureka for service discovery. The logs show the application connecting to the Eureka server, initializing its internal state, and registering itself with the Eureka registry.

```
[com.netflix.discovery.DiscoveryClient] : Getting all instance registry info from the eureka server
2024-06-16T22:31:47.985+05:30 INFO 175968 --- [api-gateway] [main] [
    com.netflix.discovery.DiscoveryClient] : The response status is 200
2024-06-16T22:31:47.985+05:30 INFO 175968 --- [api-gateway] [main] [
    com.netflix.discovery.DiscoveryClient] : Starting heartbeat executor: renew interval is: 30
2024-06-16T22:31:47.985+05:30 INFO 175968 --- [api-gateway] [main] [
    c.n.discovery.InstanceInfoReplicator] : InstanceInfoReplicator onDemand update allowed rate per min is 4
2024-06-16T22:31:48.001+05:30 INFO 175968 --- [api-gateway] [main] [
    com.netflix.discovery.DiscoveryClient] : Discovery Client initialized at timestamp 1718557308001 with initial instances count: 6
2024-06-16T22:31:48.005+05:30 INFO 175968 --- [api-gateway] [main] [
    o.s.c.n.e.s.EurekaServiceRegistry] : Registering application API-GATEWAY with eureka with status UP
2024-06-16T22:31:48.005+05:30 INFO 175968 --- [api-gateway] [main] [
    com.netflix.discovery.DiscoveryClient] : Saw local status change event StatusChangeEvent [timestamp=1718557308005, current=UP, previous=STARTING]
2024-06-16T22:31:48.013+05:30 INFO 175968 --- [api-gateway] [infoReplicator-0] [
    com.netflix.discovery.DiscoveryClient] : DiscoveryClient_API-GATEWAY/venu:api-gateway:8060: registering service...
2024-06-16T22:31:48.157+05:30 INFO 175968 --- [api-gateway] [infoReplicator-0] [
    com.netflix.discovery.DiscoveryClient] : DiscoveryClient_API-GATEWAY/venu:api-gateway:8060 - registration status: 204
2024-06-16T22:31:48.593+05:30 INFO 175968 --- [api-gateway] [main] [
    o.s.b.web.embedded.netty.NettyWebServer] : Netty started on port 8060
2024-06-16T22:31:48.593+05:30 INFO 175968 --- [api-gateway] [main] [
    o.s.c.n.e.s.EurekaAutoServiceRegistration] : Updating port to 8060
2024-06-16T22:31:49.062+05:30 INFO 175968 --- [api-gateway] [main] [
    c.e.apigateway.ApiGatewayApplication] : Started ApiGatewayApplication in 6.244 seconds (processes running for 6.754)
```



HOME LAST 1000 SINCE STARTUP

System Status

Environment	test	Current time	2024-06-16T22:32:47 +0530
Data center	default	Uptime	00:04
		Lease expiration enabled	false
		Renews threshold	13
		Renews (last min)	12

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - venu:api-gateway:8060

The screenshot shows a browser window with the title 'Eureka'. The address bar indicates the URL is 'localhost:8761'. The main content area is titled 'DS Replicas' and contains a section titled 'Instances currently registered with Eureka'. Below this is a table with columns: Application, AMIs, Availability Zones, and Status. The table lists seven services: API-GATEWAY, CUSTOMER-SERVICE, EMPLOYEE-SERVICE, LEAD-SERVICE, MARKETING-SERVICE, SALES-SERVICE, and SUPPORT-AND-ANALYTICS-SERVICE. Each row shows 'n/a (1)' for AMIs and '(1)' for Availability Zones. The Status column for each service shows 'UP (1) -' followed by a green link to the service's details page.

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - venu:api-gateway:8060
CUSTOMER-SERVICE	n/a (1)	(1)	UP (1) - venu:customer-service:8081
EMPLOYEE-SERVICE	n/a (1)	(1)	UP (1) - venu:employee-service:8083
LEAD-SERVICE	n/a (1)	(1)	UP (1) - venu:lead-service:8082
MARKETING-SERVICE	n/a (1)	(1)	UP (1) - venu:marketing-service:8085
SALES-SERVICE	n/a (1)	(1)	UP (1) - venu:sales-service:8084
SUPPORT-AND-ANALYTICS-SERVICE	n/a (1)	(1)	UP (1) - venu:support-and-analytics-service:8086

General Info

Name	Value
venu:8086/actuator/info	



Home

Workspaces

API Netwo



My Workspace

New

Import



Collections



...



Environments



History



> complaint

< CRM

> Customer

> Employee

> Lead

> Marketing

> Sales

> support_and_analytics

CRM

Customer

Account

Activity

Case

Contact

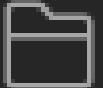
KnowledgeArticle

Customer

✓ CRM

>  Customer

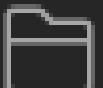
✓  Employee

>  Attendance

>  Employee

>  Payroll

>  PerformanceReview

>  Team

>  Training

CRM

> Customer

> Employee

< Lead

> Lead

> LeadSource

> LeadActivitys

> LeadScore

> LeadStatus

CRM

- >  Customer
- >  Employee
- >  Lead
- <  Marketing
 - >  campaign
 - >  campaign_activity
 - >  Event
 - >  Marketing_list
 - >  survey

CRM

- >  Customer
- >  Employee
- >  Lead
- >  Marketing
- >  Sales
- >  Invoice
- >  Opportunity
- >  Order
- >  Product
- >  Quote
- >  SalesTarget

CRM

- >  Customer
- >  Employee
- >  Lead
- >  Marketing
- >  Sales
- >  support_and_analytics
 - >  AnalyticsReport
 - >  Feedback
 - >  PerformanceMetric
 - >  SupportTicket
 - >  SurveyResponse

Home Workspaces API Network

Search Postman

Invite Settings Notifications Upgrade

My Workspace New Import POST Reg • GET List POST reg • GET list GET get b • POST Reg • GET List

CRM / Customer / Customer / List

GET http://localhost:8081/api/customers

Save Share

DEL delete GET New Request

bankapi complaint CRM

Customer Account Activity Case Contact KnowledgeArticle Customer

GET List POST Register GET Get By Id DEL Delete PUT Update Employee

HTTP Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 1313 ms 4.55 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 [ { "id": 1, "name": "venu madhav", "email": "venu.d@example.com", "phone": "8919524324", "accounts": [ { "id": 1, "name": "Acme Inc.", "address": "123 Main Street, Anytown USA", "industry": "Manufacturing", "accountNumber": "ABC123" } ], "cases": [ { "id": 1, "caseNumber": "CASE001" } ] }
```

Online Find and replace Console Postbot Runner Start Proxy Cookies Vault Trash ?

Eureka X | Zipkin X | localhost:8081/api/customers X +

localhost:8081/api/customers

Pretty-print □

```
[{"id":1,"name":"venu madhav","email":"venu.d@example.com","phone":"8919524324","accounts":[{"id":1,"name":"Acme Inc.","address":"123 Main Street, Anytown USA","industry":"Manufacturing","accountNumber":"ABC123"}],"cases":[{"id":1,"caseNumber":"CASE001","subject":"Product issue","description":"The customer is experiencing an issue with the product.", "status":"Open", "priority": "High", "resolution": null}, {"id":1,"activityType": "Call", "subject": "Follow-up on order", "description": "Call the customer to follow up on their recent order.", "dueDate": "2023-06-15", "status": "Pending"}, {"id":1,"name": "Jane Smith", "email": "jane.smith@customer.com", "phone": "987-654-3210", "jobTitle": "Manager"}, {"id":1,"title": "How to reset your password", "content": "Follow these steps to reset your password...", "keywords": "password, reset", "status": "Published"}], {"id":2,"name": "karim", "email": "karim.sk@example.com", "phone": "8975675699", "accounts": [{"id":2,"name": "Tech Solutions Ltd.", "address": "456 Elm Street, Somewhere USA"}, {"id":2,"caseNumber": "CASE002", "subject": "Billing discrepancy", "description": "The customer has a discrepancy in their latest bill."}, {"id":2,"activityType": "Email", "subject": "Send invoice", "description": "Email the customer the invoice for their recent purchase."}, {"id":2,"dueDate": "2023-06-20", "status": "Completed"}, {"id":2,"name": "Robert Green", "email": "robert.green@customer.com", "phone": "876-543-2109", "jobTitle": "CEO"}, {"id":2,"title": "How to update your profile", "content": "Here are the steps to update your profile...", "keywords": "profile, update", "status": "Draft"}], {"id":3,"name": "Alice Johnson", "email": "alice.johnson@example.com", "phone": "2345678901", "accounts": [{"id":3,"name": "Health Plus", "address": "789 Oak Avenue, Anycity USA"}, {"id":3,"caseNumber": "CASE003", "subject": "Feature request", "description": "The customer is requesting a new feature for the product."}, {"id":3,"status": "Closed", "priority": "Low", "resolution": null}, {"id":3,"activityType": "Meeting", "subject": "Project kickoff", "description": "Schedule a kickoff meeting for the new project."}, {"id":3,"dueDate": "2023-06-22", "status": "Scheduled"}, {"id":3,"name": "Emily White", "email": "emily.white@customer.com", "phone": "765-432-1098", "jobTitle": "CFO"}, {"id":3,"title": "Troubleshooting network issues", "content": "Steps to troubleshoot network connectivity issues...", "keywords": "network, troubleshoot", "status": "Published"}], {"id":4,"name": "Charlie Davis", "email": "charlie.davis@example.com", "phone": "456-789-0123", "accounts": [{"id":4,"name": "Green Energy Corp.", "address": "101 Pine Street, Green City USA"}, {"id":4,"caseNumber": "CASE004", "subject": "Shipping delay", "description": "The customer reported a delay in their shipment."}, {"id":4,"status": "Open", "priority": "High", "resolution": null}, {"id":4,"activityType": "Visit", "subject": "Site inspection", "description": "Visit the customer site for an inspection."}, {"id":4,"dueDate": "2023-06-25", "status": "Pending"}, {"id":4,"name": "Helen Brown", "email": "helen.brown@customer.com", "phone": "654-321-0987", "jobTitle": "CTO"}, {"id":4,"knowledgeArticles": [{"id":4,"title": "How to create an account", "content": "Steps to create a new account on our platform...", "keywords": "account, create", "status": "Published"}]}, {"id":5,"name": "Danielle Martin", "email": "danielle.martin@example.com", "phone": "567-890-1234", "accounts": [{"id":5,"name": "FinTech Innovators", "address": "202 Maple Drive, Fin City USA"}, {"id":5,"caseNumber": "CASE005", "subject": "Login issues", "description": "The customer is unable to log into their account."}, {"id":5,"status": "Resolved", "priority": "Medium", "resolution": null}, {"id":5,"activityType": "Support", "subject": "Technical support call", "description": "Provide technical support over the phone."}, {"id":5,"dueDate": "2023-06-28", "status": "In Progress"}, {"id":5,"name": "Michael Lee", "email": "michael.lee@customer.com", "phone": "543-210-9876", "jobTitle": "COO"}, {"id":5,"knowledgeArticles": []}], {"id":6,"name": "John Doe", "email": "john.doe@example.com", "phone": "123-456-7890", "accounts": [{"id":6,"name": "Acme Inc.", "address": "123 Main Street, Anytown USA"}, {"id":6,"caseNumber": "CASE001", "subject": "Product issue", "description": "The customer is experiencing an issue with the product."}, {"id":6,"status": "Open", "priority": "High", "resolution": null}, {"id":6,"activityType": "Call", "subject": "Follow-up on order", "description": "Call the customer to follow up on their recent order."}, {"id":6,"dueDate": "2023-06-15", "status": "Pending"}, {"id":6,"name": "Jane Smith", "email": "jane.smith@customer.com", "phone": "987-654-3210", "jobTitle": "Manager"}, {"id":6,"title": "How to reset your password", "content": "Follow these steps to reset your password...", "keywords": "password, reset", "status": "Published"}]]
```

Home Workspaces API Network

Search Postman

Invite Settings Notifications Upgrade

My Workspace New Import

Collections Environments History

CRM / Employee / Employee / List

HTTP GET http://localhost:8083/api/employees

Send

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 349 ms 5.58 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 [ { "id": 5, "firstName": "John", "lastName": "Doe", "email": "john.doe@example.com", "performanceReviews": [ { "id": 1, "reviewDate": "2024-06-01", "comments": "Excellent performance" } ], "attendances": [ { "id": 1, "date": "2024-06-10", "present": true } ] }
```

GET List POST Register GET GetById PUT update DEL delete

Customer Employee Attendance Employee

Payroll PerformanceReview Team Training

Online Find and replace Console

Postbot Runner Start Proxy Cookies Vault Trash

Eureka X | Zipkin X | localhost:8083/api/employees X +

localhost:8083/api/employees

Pretty-print □

```
[{"id":5,"firstName":"John","lastName":"Doe","email":"john.doe@example.com","performanceReviews":[{"id":1,"reviewDate":"2024-06-01","comments":"Excellent performance"}],"attendances":[{"id":1,"date":"2024-06-10","present":true}],"payrolls":[{"id":1,"salary":5000.00,"paymentDate":"2024-06-01"}],"trainings":[{"id":1,"courseName":"Java Basics","startDate":"2024-06-01","endDate":"2024-06-10"}],"team":{"id":2,"name":"Team Alpha","employees":[{"id":5,"firstName":"John","lastName":"Doe","email":"john.doe@example.com","performanceReviews":[{"id":1,"reviewDate":"2024-06-01","comments":"Excellent performance"}],"attendances":[{"id":1,"date":"2024-06-10","present":true}],"payrolls":[{"id":1,"salary":5000.00,"paymentDate":"2024-06-01"}],"trainings":[{"id":1,"courseName":"Java Basics","startDate":"2024-06-01","endDate":"2024-06-10"}]}]}, {"id":7,"firstName":"Venu","lastName":"Madhav","email":"venu.d@example.com","performanceReviews":[{"id":2,"reviewDate":"2023-06-01","comments":"Excellent performance this quarter."}],"attendances":[{"id":2,"date":"2023-06-12","present":true}],"payrolls":[{"id":2,"salary":5000.00,"paymentDate":"2023-06-15"}],"trainings":[{"id":2,"courseName":"Java Fundamentals","startDate":"2023-07-01","endDate":"2023-07-15"}],"team":{"id":3,"name":"Super Team Beta","employees":[{"id":7,"firstName":"Venu","lastName":"Madhav","email":"venu.d@example.com","performanceReviews":[{"id":2,"reviewDate":"2023-06-01","comments":"Excellent performance this quarter."}],"attendances":[{"id":2,"date":"2023-06-12","present":true}],"payrolls":[{"id":2,"salary":5000.00,"paymentDate":"2023-06-15"}],"trainings":[{"id":2,"courseName":"Java Fundamentals","startDate":"2023-07-01","endDate":"2023-07-15"}]}]}, {"id":8,"firstName":"Alice","lastName":"Smith","email":"alice.smith@example.com","performanceReviews":[{"id":3,"reviewDate":"2024-05-01","comments":"Outstanding commitment to the project"}],"attendances":[{"id":3,"date":"2024-05-15","present":true}],"payrolls":[{"id":3,"salary":5500.00,"paymentDate":"2024-05-30"}],"trainings":[{"id":3,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}],"team":{"id":4,"name":"Development Team","employees":[{"id":8,"firstName":"Alice","lastName":"Smith","email":"alice.smith@example.com","performanceReviews":[{"id":3,"reviewDate":"2024-05-01","comments":"Outstanding commitment to the project"}],"attendances":[{"id":3,"date":"2024-05-15","present":true}],"payrolls":[{"id":3,"salary":5500.00,"paymentDate":"2024-05-30"}],"trainings":[{"id":3,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}]}]}, {"id":9,"firstName":"Bob","lastName":"Johnson","email":"bob.johnson@example.com","performanceReviews":[{"id":4,"reviewDate":"2023-08-15","comments":"Strong performance throughout the year"}],"attendances":[{"id":4,"date":"2023-08-16","present":true}],"payrolls":[{"id":4,"salary":5200.00,"paymentDate":"2023-08-20"}],"trainings":[{"id":5,"courseName":"Software Testing Basics","startDate":"2023-07-01","endDate":"2023-07-15"}],"team":{"id":5,"name":"QA Team","employees":[{"id":9,"firstName":"Bob","lastName":"Johnson","email":"bob.johnson@example.com","performanceReviews":[{"id":4,"reviewDate":"2023-08-15","comments":"Strong performance throughout the year"}],"attendances":[{"id":4,"date":"2023-08-16","present":true}],"payrolls":[{"id":4,"salary":5200.00,"paymentDate":"2023-08-20"}],"trainings":[{"id":5,"courseName":"Software Testing Basics","startDate":"2023-07-01","endDate":"2023-07-15"}]}]}, {"id":10,"firstName":"Charlie","lastName":"Brown","email":"charlie.brown@example.com","performanceReviews":[{"id":5,"reviewDate":"2024-04-10","comments":"Exceptional creativity and marketing strategies"}],"attendances":[{"id":5,"date":"2024-03-25","present":true}],"payrolls":[{"id":5,"salary":6000.00,"paymentDate":"2024-03-30"}],"trainings":[{"id":6,"courseName":"Digital Marketing Advanced","startDate":"2024-02-01","endDate":"2024-02-10"}],"team":{"id":10,"name":"Marketing Team","employees":[{"id":10,"firstName":"Charlie","lastName":"Brown","email":"charlie.brown@example.com","performanceReviews":[{"id":5,"reviewDate":"2024-04-10","comments":"Exceptional creativity and marketing strategies"}],"attendances":[{"id":5,"date":"2024-03-25","present":true}],"payrolls":[{"id":5,"salary":6000.00,"paymentDate":"2024-03-30"}],"trainings":[{"id":6,"courseName":"Digital Marketing Advanced","startDate":"2024-02-01","endDate":"2024-02-10"}]}]}, {"id":11,"firstName":"David","lastName":"Williams","email":"david.williams@example.com","performanceReviews":[{"id":6,"reviewDate":"2023-11-05","comments":"Achieved sales targets consistently"}],"attendances":[{"id":6,"date":"2023-10-10","present":true}],"payrolls":[{"id":6,"salary":5800.00,"paymentDate":"2023-10-20"}],"trainings":[{"id":7,"courseName":"Advanced Sales Techniques","startDate":"2023-09-01","endDate":"2023-09-10"}],"team":{"id":7,"name":"Sales Team","employees":[{"id":11,"firstName":"David","lastName":"Williams","email":"david.williams@example.com","performanceReviews":[{"id":6,"reviewDate":"2023-11-05","comments":"Achieved sales targets consistently"}],"attendances":[{"id":6,"date":"2023-10-10","present":true}],"payrolls":[{"id":6,"salary":5800.00,"paymentDate":"2023-10-20"}],"trainings":[{"id":7,"courseName":"Advanced Sales Techniques","startDate":"2023-09-01","endDate":"2023-09-10"}]}]}]
```

Home Workspaces API Network

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Invite Settings Notifications Upgrade

My Workspace New Import

HTTP CRM / Lead / Lead / List

GET http://localhost:8082/api/leads

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

200 OK 1250 ms 4.08 KB Save as example

DEL delete GET New Request

bankapi complaint CRM Customer Employee Lead Lead GET List POST Register GET GetById PUT Update DEL Delete LeadSource LeadActivity LeadScore LeadStatus

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 [  
2 {  
3     "id": 1,  
4     "name": "Alice Johnson",  
5     "email": "alice@example.com",  
6     "phone": "9876543210",  
7     "company": "Globex Corporation",  
8     "jobTitle": "Marketing Manager",  
9     "createdDate": "2024-06-15T19:11:04.957793",  
10    "updatedDate": "2024-06-15T19:11:04.957793",  
11    "leadSource": [  
12        {  
13            "id": 1,  
14            "name": "Lead Score",  
15            "description": null  
16        }  
17    ],  
18    "leadStatus": [  
19        {  
20        }  
21    ]  
22 }
```

Online Find and replace Console Postbot Runner Start Proxy Cookies Vault Trash ?

The screenshot shows a browser window with three tabs open:

- Eureka
- Zipkin
- localhost:8082/api/leads (active tab)

The content of the active tab is a JSON array representing lead data:

```
[{"id":1,"name":"Alice Johnson","email":"alice@example.com","phone":"9876543210","company":"Globex Corporation","jobTitle":"Marketing Manager","createdDate":"2024-06-15T19:11:04.957793","updatedDate":"2024-06-15T19:11:04.957793","leadSource":[{"id":1,"name":"Lead Score","description":null}],"leadStatus":[{"id":2,"name":"New","description":"Newly acquired lead, not yet contacted","lastContactDate":null,"assignedTo":"Alice Johnson"}, {"id":2,"activityType":"Email","timestamp":"2023-06-14T09:00:00","description":"Sent an introductory email to the lead","createdBy":"John Doe"}], {"id":2,"name":"Bob Smith","email":"bob@example.com","phone":"5551234567","company":"Initech","jobTitle":"Product Manager","createdDate":"2024-06-15T19:14:35.220687","updatedDate":"2024-06-15T19:14:35.220687","leadSource":[{"id":2,"name":"LinkedIn","description":"Lead found us through a LinkedIn ad"}], {"id":3,"name":"In Progress","description":"Lead is being actively engaged","lastContactDate":"2023-06-14T11:00:00","assignedTo": "Bob Smith"}, {"id":3,"activityType":"Meeting","timestamp":"2023-06-15T14:00:00","description":"In-person meeting to discuss project details","createdBy": "Alice Johnson"}], {"id":3,"name":"Alice Johnson","email":"alice@example.com","phone": "9876543210","company": "Globex Corporation","jobTitle": "Marketing Manager","createdDate": "2024-06-15T19:33:11.864754","updatedDate": "2024-06-15T19:33:11.864754","leadSource":[], "leadStatus": [{"id":4,"name": "Contacted","description": "Initial contact made with lead","lastContactDate": "2023-06-15T14:30:00","assignedTo": "David Brown"}, {"id":4,"activityType": "Demo","timestamp": "2023-06-16T10:00:00","description": "Conducted a product demo for the lead","createdBy": "John Doe"}], {"id":4,"name": "Bob Smith","email": "bob@example.com","phone": "5551234567","company": "Initech","jobTitle": "Product Manager","createdDate": "2024-06-15T19:33:24.172231,"updatedDate": "2024-06-15T19:33:24.172231,"leadSource":[], "leadStatus": [{"id":5,"name": "Closed - Won","description": "Lead has been converted to a customer","lastContactDate": "2023-06-17T12:00:00","assignedTo": "Carol White"}, {"id":5,"activityType": null,"timestamp": null,"description": null,"createdBy": null}], {"id":5,"name": "Eve Black","email": "eve@example.com","phone": "6546546543","company": "Wayne Enterprises","jobTitle": "Operations Manager","createdDate": "2024-06-15T19:33:52.092351,"updatedDate": "2024-06-15T19:33:52.092351,"leadSource":[], "leadStatus": [{"id":6,"name": "Proposal Sent","description": "Proposal sent to the lead","lastContactDate": "2023-06-17T16:00:00","assignedTo": "Eve Black"}, {"id":6,"activityType": "Conference","score": 0,"lastScoreUpdate": null}], {"id":6,"name": "Frank Green","email": "frank@example.com","phone": "4564564567","company": "Stark Industries","jobTitle": "Technical Lead","createdDate": "2024-06-15T19:34:09.949539,"updatedDate": "2024-06-15T19:34:09.949539,"leadSource":[], "leadStatus": [{"id":7,"name": "Closed - Lost","description": "Lead decided not to proceed","lastContactDate": "2023-06-18T13:30:00","assignedTo": "Frank Green"}, {"id":7,"activityType": "Cold Call","score": 0,"lastScoreUpdate": null}], {"id":6,"activityType": "Webinar","timestamp": "2023-06-18T11:00:00","description": "Lead attended our product webinar","createdBy": "Alice Johnson"}, {"id":7,"activityType": "Networking Event","timestamp": "2023-06-19T09:00:00","description": "Met the lead at a networking event","createdBy": "Bob Smith"}]]
```

Pretty-print □

```
[{"id":1,"name":"Alice Johnson","email":"alice@example.com","phone":"9876543210","company":"Globex Corporation","jobTitle":"Marketing Manager","createdDate":"2024-06-15T19:11:04.957793","updatedDate":"2024-06-15T19:11:04.957793","leadSource":[{"id":1,"name":"Lead Score","description":null}],"leadStatus":[{"id":2,"name":"New","description":"Newly acquired lead, not yet contacted","lastContactDate":null,"assignedTo":"Alice Johnson"}, {"id":2,"activityType":"Email","timestamp":"2023-06-14T09:00:00","description":"Sent an introductory email to the lead","createdBy":"John Doe"}], {"id":2,"name":"Bob Smith","email":"bob@example.com","phone":"5551234567","company":"Initech","jobTitle":"Product Manager","createdDate":"2024-06-15T19:14:35.220687","updatedDate":"2024-06-15T19:14:35.220687","leadSource":[{"id":2,"name":"LinkedIn","description":"Lead found us through a LinkedIn ad"}], {"id":3,"name":"In Progress","description":"Lead is being actively engaged","lastContactDate":"2023-06-14T11:00:00","assignedTo": "Bob Smith"}, {"id":3,"activityType":"Meeting","timestamp":"2023-06-15T14:00:00","description":"In-person meeting to discuss project details","createdBy": "Alice Johnson"}], {"id":3,"name":"Alice Johnson","email":"alice@example.com","phone": "9876543210","company": "Globex Corporation","jobTitle": "Marketing Manager","createdDate": "2024-06-15T19:33:11.864754","updatedDate": "2024-06-15T19:33:11.864754","leadSource":[], "leadStatus": [{"id":4,"name": "Contacted","description": "Initial contact made with lead","lastContactDate": "2023-06-15T14:30:00","assignedTo": "David Brown"}, {"id":4,"activityType": "Demo","timestamp": "2023-06-16T10:00:00","description": "Conducted a product demo for the lead","createdBy": "John Doe"}], {"id":4,"name": "Bob Smith","email": "bob@example.com","phone": "5551234567","company": "Initech","jobTitle": "Product Manager","createdDate": "2024-06-15T19:33:24.172231,"updatedDate": "2024-06-15T19:33:24.172231,"leadSource":[], "leadStatus": [{"id":5,"name": "Closed - Won","description": "Lead has been converted to a customer","lastContactDate": "2023-06-17T12:00:00","assignedTo": "Carol White"}, {"id":5,"activityType": null,"timestamp": null,"description": null,"createdBy": null}], {"id":5,"name": "Eve Black","email": "eve@example.com","phone": "6546546543","company": "Wayne Enterprises","jobTitle": "Operations Manager","createdDate": "2024-06-15T19:33:52.092351,"updatedDate": "2024-06-15T19:33:52.092351,"leadSource":[], "leadStatus": [{"id":6,"name": "Proposal Sent","description": "Proposal sent to the lead","lastContactDate": "2023-06-17T16:00:00","assignedTo": "Eve Black"}, {"id":6,"activityType": "Conference","score": 0,"lastScoreUpdate": null}], {"id":6,"name": "Frank Green","email": "frank@example.com","phone": "4564564567","company": "Stark Industries","jobTitle": "Technical Lead","createdDate": "2024-06-15T19:34:09.949539,"updatedDate": "2024-06-15T19:34:09.949539,"leadSource":[], "leadStatus": [{"id":7,"name": "Closed - Lost","description": "Lead decided not to proceed","lastContactDate": "2023-06-18T13:30:00","assignedTo": "Frank Green"}, {"id":7,"activityType": "Cold Call","score": 0,"lastScoreUpdate": null}], {"id":6,"activityType": "Webinar","timestamp": "2023-06-18T11:00:00","description": "Lead attended our product webinar","createdBy": "Alice Johnson"}, {"id":7,"activityType": "Networking Event","timestamp": "2023-06-19T09:00:00","description": "Met the lead at a networking event","createdBy": "Bob Smith"}]]
```

Home Workspaces API Network

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My Workspace New Import

HTTP CRM / Marketing / campaign / List

GET http://localhost:8085/api/campaigns

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
3 "campaignId": 1,
4 "name": "Summer Sale Campaign",
5 "description": "Promote summer products with discounts",
6 "startDate": "2023-06-01T00:00:00.000+00:00",
7 "endDate": "2023-08-31T00:00:00.000+00:00",
8 "budget": 50000.0,
9 "status": "ACTIVE",
10 "campaignActivities": [
11     {
12         "activityId": 1,
13         "type": "Email",
14         "date": "2023-06-15T00:00:00.000+00:00",
15         "status": "SCHEDULED",
16         "responseRate": 0.0
17     }
18 ],
19 "events": [
20     {
21     }
```

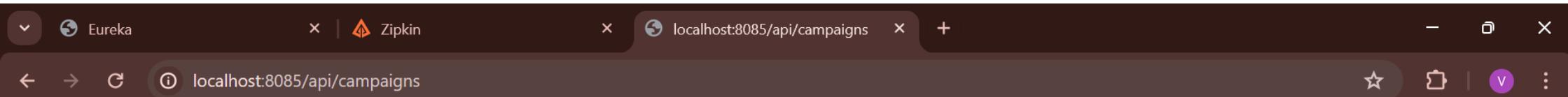
Collections Environments History

CRM Customer Employee Lead Marketing campaign GET List POST Register GET GetById PUT Update DEL Delete campaign_activity Event Marketing_list survey Sales support_and_analytics employee

Save Share Send

200 OK 1339 ms 2.51 KB Save as example

Postbot Runner Start Proxy Cookies Vault Trash



```
[{"campaignId":1,"name":"Summer Sale Campaign","description":"Promote summer products with discounts","startDate":"2023-06-01T00:00:00.000+00:00","endDate":"2023-08-31T00:00:00.000+00:00","budget":50000.0,"status":"ACTIVE","campaignActivities":[{"activityId":1,"type":"Email","date":"2023-06-15T00:00:00.000+00:00","status":"SCHEDULED","responseRate":0.0}],"events":[{"eventId":1,"name":"Summer Kickoff Event","description":"Launch event for the Summer Sale Campaign","date":"2023-06-01T00:00:00.000+00:00","location":"New York City","organizer":"Marketing Team","attendeesCount":500}],"marketingLists":[{"listId":1,"name":"Summer Customers","description":"List of customers interested in summer products","creationDate":"2023-05-15T00:00:00.000+00:00","listType":"EMAIL","content":"summer_customers.csv"}],"surveys":[{"surveyId":1,"name":"Summer Product Survey","description":"Survey to gather feedback on summer products","creationDate":"2023-06-10T00:00:00.000+00:00","questions":["How satisfied are you with our summer product range?","Which summer product categories would you like to see more options for?","How likely are you to recommend our summer products to others?"],"responses":[]}],{"campaignId":2,"name":"Winter Wonderland Campaign","description":"Promote winter products with special offers","startDate":"2023-11-01T00:00:00.000+00:00","endDate":"2024-01-31T00:00:00.000+00:00","budget":75000.0,"status":"ACTIVE","campaignActivities":[{"activityId":2,"type":"Social Media","date":"2023-12-01T00:00:00.000+00:00","status":"SCHEDULED","responseRate":0.0}],"events":[{"eventId":2,"name":"Winter Fest","description":"Celebrate the start of the Winter Wonderland Campaign","date":"2023-11-15T00:00:00.000+00:00","location":"Chicago","organizer":"Sales Team","attendeesCount":800}],"marketingLists":[{"listId":2,"name":"Winter Enthusiasts","description":"List of customers interested in winter products","creationDate":"2023-10-01T00:00:00.000+00:00","listType":"EMAIL","content":"winter_enthusiasts.csv"}],"surveys":[{"surveyId":2,"name":"Winter Product Survey","description":"Survey to gather feedback on winter products","creationDate":"2023-11-10T00:00:00.000+00:00","questions":["How satisfied are you with our winter product range?","Which winter product categories would you like to see more options for?","How likely are you to recommend our winter products to others?"],"responses":[]}]}]
```

Home Workspaces API Network

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My Workspace New Import

CRM / Sales / Opportunity / List

Save Share

Collections Environments History

HTTP CRM / Sales / Opportunity / List

GET http://localhost:8084/opportunities

Send

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 1302 ms 6.33 KB Save as example

Pretty Raw Preview Visualize JSON

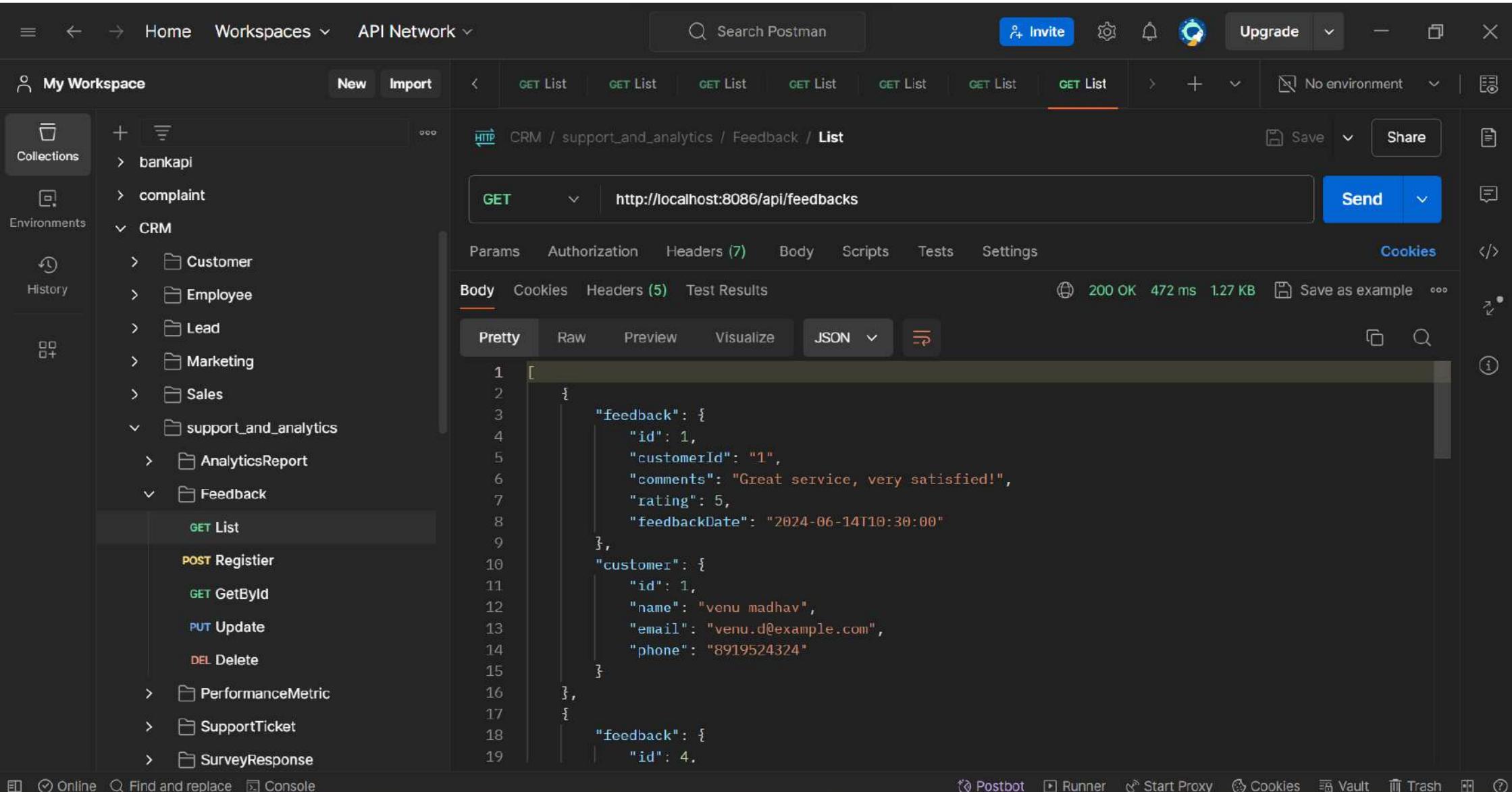
```
3 "id": 1,
4 "name": "New Client Acquisition",
5 "description": "Potential sale of our premium package to a new client",
6 "creationDate": "2024-06-14T10:00:00",
7 "assignedTo": "John Doe",
8 "quotes": [
9   {
10     "id": 1,
11     "description": "Quote for 10 licenses of our Enterprise Software Solution",
12     "amount": 95000.0,
13     "quoteDate": "2024-06-14T09:00:00"
14   }
15 ],
16 "orders": [
17   {
18     "id": 1,
19     "product": "Premium Software Package",
20     "quantity": 5,
21     "totalPrice": 5000.0.
```

Online Find and replace Console

Postbot Runner Start Proxy Cookies Vault Trash ?

The screenshot shows a browser window with four tabs open. The active tab is titled "localhost:8084/opportunities" and contains a large JSON object representing a list of opportunities. The other tabs are labeled "Eureka", "Zipkin", and another "localhost:8084/opportunities".

```
[{"id":1,"name":"New Client Acquisition","description":"Potential sale of our premium package to a new client","creationDate":"2024-06-14T10:00:00","assignedTo":"John Doe","quotes":[{"id":1,"description":"Quote for 10 licenses of our Enterprise Software Solution","amount":95000.0,"quoteDate":"2024-06-14T09:00:00"}],"orders":[{"id":1,"product":"Premium Software Package","quantity":5,"totalPrice":5000.0,"orderDate":"2024-06-14T11:00:00"}],"invoices":[{"id":1,"amountDue":5000.0,"dueDate":"2024-07-14T00:00:00","paid":false}],"products":[{"id":1,"name":"Enterprise Software Solution","description":"A comprehensive software package for large enterprises","price":10000.0}],"salesTargets":[{"id":1,"salesperson":"Jane Smith","targetAmount":100000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":2,"name":"Existing Client Upsell","description":"Upselling a higher-tier package to an existing client","creationDate":"2024-06-15T10:00:00","assignedTo":"Jane Smith","quotes":[{"id":2,"description":"Quote for 5 licenses of our Data Analytics Suite","amount":95000.0,"quoteDate":"2024-06-15T09:00:00"}],"orders":[{"id":2,"product":"Advanced Analytics Module","quantity":3,"totalPrice":15000.0,"orderDate":"2024-06-15T11:00:00"}],"invoices":[{"id":2,"amountDue":15000.0,"dueDate":"2024-07-15T00:00:00","paid":false}],"products":[{"id":2,"name":"Data Analytics Suite","description":"A suite of advanced data analytics tools","price":20000.0}],"salesTargets":[{"id":2,"salesperson":"John Doe","targetAmount":750000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":3,"name":"New Market Expansion","description":"Exploring new market opportunities in Europe","creationDate":"2024-06-16T10:00:00","assignedTo":"Alice Johnson","quotes":[{"id":3,"description":"Quote for 20 licenses of our Localization Toolset","amount":950000.0,"quoteDate":"2024-06-16T09:00:00"}],"orders":[{"id":3,"product":"International Expansion Kit","quantity":10,"totalPrice":100000.0,"orderDate":"2024-06-16T11:00:00"}],"invoices":[{"id":3,"amountDue":100000.0,"dueDate":"2024-07-16T00:00:00","paid":false}],"products":[{"id":3,"name":"Localization Toolset","description":"A toolset for localizing software for international markets","price":50000.0}],"salesTargets":[{"id":3,"salesperson":"Alice Johnson","targetAmount":500000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":4,"name":"Strategic Partnership","description":"Negotiation for a strategic partnership with a major corporation","creationDate":"2024-06-17T10:00:00","assignedTo":"Mark Spencer","quotes":[{"id":4,"description":"Quote for 50 licenses of our Strategic Management Tool","amount":500000.0,"quoteDate":"2024-06-17T09:00:00"}],"orders":[{"id":4,"product":"Strategic Management Tool","quantity":50,"totalPrice":500000.0,"orderDate":"2024-06-17T11:00:00"}],"invoices":[{"id":4,"amountDue":500000.0,"dueDate":"2024-07-17T00:00:00","paid":false}],"products":[{"id":4,"name":"Strategic Management Tool","description":"A comprehensive tool for strategic planning and management","price":10000.0}],"salesTargets":[{"id":4,"salesperson":"Mark Spencer","targetAmount":1500000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":5,"name":"Government Contract","description":"Proposal for a government contract for our security solutions","creationDate":"2024-06-18T10:00:00","assignedTo":"Susan Clarke","quotes":[{"id":5,"description":"Quote for 100 licenses of our Security Suite","amount":1000000.0,"quoteDate":"2024-06-18T09:00:00"}],"orders":[{"id":5,"product":"Security Suite","quantity":100,"totalPrice":1000000.0,"orderDate":"2024-06-18T11:00:00"}],"invoices":[{"id":5,"amountDue":1000000.0,"dueDate":"2024-07-18T00:00:00","paid":false}],"products":[{"id":5,"name":"Security Suite","description":"An advanced security suite for government use","price":10000.0}],"salesTargets":[{"id":5,"salesperson":"Susan Clarke","targetAmount":2000000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":6,"name":"Non-Profit Collaboration","description":"Collaboration with a non-profit organization for educational software","creationDate":"2024-06-19T10:00:00","assignedTo":"Michael Johnson","quotes":[{"id":6,"description":"Quote for 20 licenses of our Educational Software Suite","amount":400000.0,"quoteDate":"2024-06-19T09:00:00"}],"orders":[{"id":6,"product":"Educational Software Suite","quantity":20,"totalPrice":400000.0,"orderDate":"2024-06-19T11:00:00"}],"invoices":[{"id":6,"amountDue":400000.0,"dueDate":"2024-07-19T00:00:00","paid":false}],"products":[{"id":6,"name":"Educational Software Suite","description":"A software suite designed for educational institutions","price":20000.0}],"salesTargets":[{"id":6,"salesperson":"Michael Johnson","targetAmount":1200000.0,"startDate":"2024-01-01T00:00:00","endDate":"2024-12-31T23:59:59","description":"Annual sales target for the year 2024","amount":0.0,"quoteDate":null}]}], {"id":7,"name":"Healthcare Sector","description":"Offering healthcare management software to hospitals","creationDate":"2024-06-20T10:00:00","assignedTo":"Emily Davis","quotes":[{"id":7,"description":"Quote for 30 licenses of our Healthcare Management System","amount":750000.0,"quoteDate":"2024-06-20T09:00:00"}],"orders":[{"id":7,"product":"Healthcare Management System","quantity":30,"totalPrice":750000.0,"orderDate":"2024-06-20T11:00:00"}],"invoices":[{"id":7,"amountDue":750000.0,"dueDate":"2024-07-17T00:00:00","paid":false}]}]
```



A screenshot of a web browser window showing a list of feedback entries. The browser has three tabs open: Eureka, Zipkin, and the current tab which is localhost:8086/api/feedbacks. The current tab displays a JSON array of feedback objects. A 'Pretty-print' checkbox is checked at the top left of the content area. The JSON data is as follows:

```
[{"feedback": {"id": 1, "customerId": "1", "comments": "Great service, very satisfied!", "rating": 5, "feedbackDate": "2024-06-14T10:30:00"}, {"customer": {"id": 1, "name": "venu madhav", "email": "venu.d@example.com", "phone": "8919524324"}}, {"feedback": {"id": 4, "customerId": "2", "comments": "Great product, very satisfied!", "rating": 5, "feedbackDate": "2023-06-15T09:00:00"}, {"customer": {"id": 2, "name": "karim", "email": "karim.sk@example.com", "phone": "8975675699"}}, {"feedback": {"id": 5, "customerId": "2", "comments": "The user interface is very intuitive.", "rating": 4, "feedbackDate": "2023-06-15T12:00:00"}, {"customer": {"id": 2, "name": "karim", "email": "karim.sk@example.com", "phone": "8975675699"}}, {"feedback": {"id": 6, "customerId": "3", "comments": "Good value for money.", "rating": 4, "feedbackDate": "2023-06-14T15:30:00"}, {"customer": {"id": 3, "name": "Alice Johnson", "email": "alice.johnson@example.com", "phone": "2345678901"}}, {"feedback": {"id": 7, "customerId": "4", "comments": "I had some issues with the customer service.", "rating": 3, "feedbackDate": "2023-06-13T11:45:00"}, {"customer": {"id": 4, "name": "Charlie Davis", "email": "charlie.davis@example.com", "phone": "456-789-0123"}}]
```

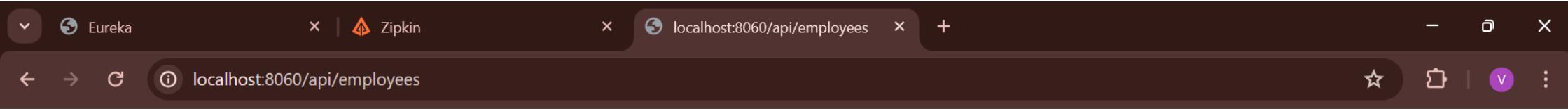
Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - venu:api-gateway:8060

Eureka X | Zipkin X | localhost:8060/api/customers X +

localhost:8060/api/customers

Pretty-print □

```
[{"id":1,"name":"venu madhav","email":"venu.d@example.com","phone":"8919524324","accounts":[{"id":1,"name":"Acme Inc.","address":"123 Main Street, Anytown USA","industry":"Manufacturing","accountNumber":"ABC123"}],"cases":[{"id":1,"caseNumber":"CASE001","subject":"Product issue","description":"The customer is experiencing an issue with the product.", "status":"Open", "priority": "High", "resolution": null}, {"id":2,"caseNumber":"CASE002","subject":"Billing discrepancy","description":"The customer has a discrepancy in their latest bill.", "status":"Open", "priority": "Medium", "resolution": null}, {"id":3,"caseNumber":"CASE003","subject":"Feature request","description":"The customer is requesting a new feature for the product.", "status": "Closed", "priority": "Low", "resolution": null}, {"id":4,"caseNumber":"CASE004","subject":"Shipping delay","description":"The customer reported a delay in their shipment.", "status": "Open", "priority": "High", "resolution": null}, {"id":5,"caseNumber":"CASE005","subject":"Login issues","description":"The customer is unable to log into their account."}], "contacts": [{"id":1,"name":"Jane Smith","email":"jane.smith@customer.com","phone":"987-654-3210","jobTitle":"Manager"}, {"id":2,"name":"Karim","email":"karim.sk@example.com","phone":"8975675699","jobTitle":"CEO"}, {"id":3,"name":"Alice Johnson","email":"alice.johnson@example.com","phone":"2345678901"}, {"id":4,"name":"Charlie Davis","email":"charlie.davis@example.com","phone":"456-789-0123"}, {"id":5,"name":"Michael Lee","email":"michael.lee@customer.com","phone":"543-210-9876"}, {"id":6,"name":"John Doe","email":"john.doe@example.com","phone":"123-456-7890"}], "knowledgeArticles": [{"id":1,"title":"How to reset your password","content":"Follow these steps to reset your password...","keywords":"password, reset", "status": "Published"}, {"id":2,"title":"How to update your profile","content":"Here are the steps to update your profile...","keywords":"profile, update", "status": "Draft"}, {"id":3,"title":"How to create an account","content":"Steps to create a new account on our platform...","keywords":"account, create", "status": "Published"}, {"id":4,"title":"How to troubleshoot network issues","content":"Steps to troubleshoot network connectivity issues...","keywords":"network, troubleshoot", "status": "Published"}, {"id":5,"title":"How to support technical calls","content":"Provide technical support over the phone.", "status": "In Progress"}]}
```



The screenshot shows a browser window with three tabs open. The active tab is 'localhost:8060/api/employees', which contains a large JSON object representing employee data. The JSON structure includes fields for employee details like first name, last name, email, and performance reviews, along with attendance, payroll, and training information. Other tabs visible are 'Eureka' and 'Zipkin'.

```
[{"id":5,"firstName":"John","lastName":"Doe","email":"john.doe@example.com","performanceReviews":[{"id":1,"reviewDate":"2024-06-01","comments":"Excellent performance"}],"attendances":[{"id":1,"date":"2024-06-10","present":true}],"payrolls":[{"id":1,"salary":5000.00,"paymentDate":"2024-06-01"}],"trainings":[{"id":1,"courseName":"Java Basics","startDate":"2024-06-01","endDate":"2024-06-10"}],"team":{"id":2,"name":"Team Alpha","employees":[{"id":5,"firstName":"John","lastName":"Doe","email":"john.doe@example.com","performanceReviews":[{"id":1,"reviewDate":"2024-06-01","comments":"Excellent performance"}],"attendances":[{"id":1,"date":"2024-06-10","present":true}],"payrolls":[{"id":1,"salary":5000.00,"paymentDate":"2024-06-01"}],"trainings":[{"id":1,"courseName":"Java Basics","startDate":"2024-06-01","endDate":"2024-06-10"}]}]}, {"id":7,"firstName":"venu","lastName":"madhav","email":"venu.d@example.com","performanceReviews":[{"id":2,"reviewDate":"2023-06-01","comments":"Excellent performance this quarter."}],"attendances":[{"id":2,"date":"2023-06-12","present":true}],"payrolls":[{"id":2,"salary":5000.00,"paymentDate":"2023-06-15"}],"trainings":[{"id":2,"courseName":"Java Fundamentals","startDate":"2023-07-01","endDate":"2023-07-15"}],"team":{"id":3,"name":"Super Team beta","employees":[{"id":7,"firstName":"venu","lastName":"madhav","email":"venu.d@example.com","performanceReviews":[{"id":2,"reviewDate":"2023-06-01","comments":"Excellent performance this quarter."}],"attendances":[{"id":2,"date":"2023-06-12","present":true}],"payrolls":[{"id":2,"salary":5000.00,"paymentDate":"2023-06-15"}],"trainings":[{"id":2,"courseName":"Java Fundamentals","startDate":"2023-07-01","endDate":"2023-07-15"}]}]}, {"id":8,"firstName":"Alice","lastName":"Smith","email":"alice.smith@example.com","performanceReviews":[{"id":3,"reviewDate":"2024-05-01","comments":"Outstanding commitment to the project"}],"attendances":[{"id":3,"date":"2024-05-15","present":true}],"payrolls":[{"id":3,"salary":5500.00,"paymentDate":"2024-05-30"}],"trainings":[{"id":3,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}, {"id":4,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}],"team":{"id":4,"name":"Development Team","employees":[{"id":8,"firstName":"Alice","lastName":"Smith","email":"alice.smith@example.com","performanceReviews":[{"id":3,"reviewDate":"2024-05-01","comments":"Outstanding commitment to the project"}],"attendances":[{"id":3,"date":"2024-05-15","present":true}],"payrolls":[{"id":3,"salary":5500.00,"paymentDate":"2024-05-30"}],"trainings":[{"id":3,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}, {"id":4,"courseName":"Advanced Java","startDate":"2024-04-01","endDate":"2024-04-10"}]}]}, {"id":9,"firstName":"Bob","lastName":"Johnson","email":"bob.johnson@example.com","performanceReviews":[{"id":4,"reviewDate":"2023-08-15","comments":"Strong performance throughout the year"}],"attendances":[{"id":4,"date":"2023-08-16","present":true}],"payrolls":[{"id":4,"salary":5200.00,"paymentDate":"2023-08-20"}],"trainings":[{"id":5,"courseName":"Software Testing Basics","startDate":"2023-07-01","endDate":"2023-07-15"}],"team":{"id":5,"name":"QA Team","employees":[{"id":9,"firstName":"Bob","lastName":"Johnson","email":"bob.johnson@example.com","performanceReviews":[{"id":4,"reviewDate":"2023-08-15","comments":"Strong performance throughout the year"}],"attendances":[{"id":4,"date":"2023-08-16","present":true}],"payrolls":[{"id":4,"salary":5200.00,"paymentDate":"2023-08-20"}],"trainings":[{"id":5,"courseName":"Software Testing Basics","startDate":"2023-07-01","endDate":"2023-07-15"}]}]}, {"id":10,"firstName":"Charlie","lastName":"Brown","email":"charlie.brown@example.com","performanceReviews":[{"id":5,"reviewDate":"2024-04-10","comments":"Exceptional creativity and marketing strategies"}],"attendances":[{"id":5,"date":"2024-03-25","present":true}],"payrolls":[{"id":5,"salary":6000.00,"paymentDate":"2024-03-30"}],"trainings":[{"id":6,"courseName":"Digital Marketing Advanced","startDate":"2024-02-01","endDate":"2024-02-10"}],"team":{"id":6,"name":"Marketing Team","employees":[{"id":10,"firstName":"Charlie","lastName":"Brown","email":"charlie.brown@example.com","performanceReviews":[{"id":5,"reviewDate":"2024-04-10","comments":"Exceptional creativity and marketing strategies"}],"attendances":[{"id":5,"date":"2024-03-25","present":true}],"payrolls":[{"id":5,"salary":6000.00,"paymentDate":"2024-03-30"}],"trainings":[{"id":6,"courseName":"Digital Marketing Advanced","startDate":"2024-02-01","endDate":"2024-02-10"}]}]}, {"id":11,"firstName":"David","lastName":"Williams","email":"david.williams@example.com","performanceReviews":[{"id":6,"reviewDate":"2023-11-05","comments":"Achieved sales targets consistently"}],"attendances":[{"id":6,"date":"2023-10-10","present":true}],"payrolls":[{"id":6,"salary":5800.00,"paymentDate":"2023-10-20"}],"trainings":[{"id":7,"courseName":"Advanced Sales Techniques","startDate":"2023-09-01","endDate":"2023-09-10"}],"team":{"id":7,"name":"Sales Team","employees":[{"id":11,"firstName":"David","lastName":"Williams","email":"david.williams@example.com","performanceReviews":[{"id":6,"reviewDate":"2023-11-05","comments":"Achieved sales targets consistently"}],"attendances":[{"id":6,"date":"2023-10-10","present":true}],"payrolls":[{"id":6,"salary":5800.00,"paymentDate":"2023-10-20"}],"trainings":[{"id":7,"courseName":"Advanced Sales Techniques","startDate":"2023-09-01","endDate":"2023-09-10"}]}]}]
```

Eureka Zipkin localhost:8060/api/leads

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```
[{"id":1,"name":"Alice Johnson","email":"alice@example.com","phone":"9876543210","company":"Globex Corporation","jobTitle":"Marketing Manager","createdDate":"2024-06-15T19:11:04.957793","updatedDate":"2024-06-15T19:11:04.957793","leadSource":[{"id":1,"name":"Lead Score","description":null}],"leadStatus":[{"id":2,"name":"New","description":"Newly acquired lead, not yet contacted","lastContactDate":null,"assignedTo":"Alice Johnson"}, {"id":2,"name":"Lead Score","score":90,"lastScoreUpdate":"2023-06-13T12:00:00"}, {"id":2,"activityType":"Email","timestamp":"2023-06-14T09:00:00","description":"Sent an introductory email to the lead","createdBy":"John Doe"}], {"id":2,"name":"Bob Smith","email":"bob@example.com","phone":"5551234567","company":"Initech","jobTitle":"Product Manager","createdDate":"2024-06-15T19:14:35.220687","updatedDate":"2024-06-15T19:14:35.220687","leadSource":[{"id":2,"name":"LinkedIn","description":"Lead found us through a LinkedIn ad"}], {"id":3,"name":"In Progress","description":"Lead is being actively engaged","lastContactDate":"2023-06-14T11:00:00","assignedTo":"Bob Smith"}, {"id":3,"name":"Lead Score","score":70,"lastScoreUpdate":"2023-06-14T08:30:00"}, {"id":3,"activityType":"Meeting","timestamp":"2023-06-15T14:00:00","description":"In-person meeting to discuss project details","createdBy":"Alice Johnson"}], {"id":3,"name":"Alice Johnson","email":"alice@example.com","phone":"9876543210","company":"Globex Corporation","jobTitle":"Marketing Manager","createdDate":"2024-06-15T19:33:11.864754","updatedDate":"2024-06-15T19:33:11.864754","leadSource":[], "leadStatus":[{"id":4,"name":"Contacted","description":"Initial contact made with lead","lastContactDate":"2023-06-15T14:30:00","assignedTo":"David Brown"}, {"id":4,"name":"Lead Score","score":85,"lastScoreUpdate":"2023-06-15T10:45:00"}, {"id":4,"activityType":"Demo","timestamp":"2023-06-16T10:00:00","description":"Conducted a product demo for the lead","createdBy":"John Doe"}], {"id":4,"name":"Bob Smith","email":"bob@example.com","phone":"5551234567","company":"Initech","jobTitle":"Product Manager","createdDate":"2024-06-15T19:33:24.172231","updatedDate":"2024-06-15T19:33:24.172231","leadSource":[], "leadStatus":[{"id":5,"name":"Closed - Won","description":"Lead has been converted to a customer","lastContactDate":"2023-06-17T12:00:00","assignedTo":"Carol White"}, {"id":5,"name":"Lead Score","score":85,"lastScoreUpdate":"2023-06-15T10:45:00"}, {"id":5,"activityType":[]}, {"id":5,"name":"Eve Black","email":"eve@example.com","phone":"6546546543","company":"Wayne Enterprises","jobTitle":"Operations Manager","createdDate":"2024-06-15T19:33:52.092351","updatedDate":"2024-06-15T19:33:52.092351","leadSource":[], "leadStatus":[{"id":6,"name":"Proposal Sent","description":"Proposal sent to the lead","lastContactDate":"2023-06-17T16:00:00","assignedTo":"Eve Black"}, {"id":6,"name":"Conference","score":0,"lastScoreUpdate":null}, {"id":6,"activityType":[]}, {"id":6,"name":"Follow-up","timestamp":"2023-06-17T15:30:00","description":"Follow-up call to check on lead's interest","createdBy":"Jane Smith"}], {"id":6,"name":"Frank Green","email":"frank@example.com","phone":"4564564567","company":"Stark Industries","jobTitle":"Technical Lead","createdDate":"2024-06-15T19:34:09.949539","updatedDate":"2024-06-15T19:34:09.949539","leadSource":[], "leadStatus":[{"id":7,"name":"Closed - Lost","description":"Lead decided not to proceed","lastContactDate":"2023-06-18T13:30:00","assignedTo":"Frank Green"}, {"id":7,"name":"Cold Call","score":0,"lastScoreUpdate":null}, {"id":7,"activityType":[]}, {"id":7,"name":"Webinar","timestamp":"2023-06-18T11:00:00","description":"Lead attended our product webinar","createdBy":"Alice Johnson"}, {"id":7,"name":"Networking Event","timestamp":"2023-06-19T09:00:00","description":"Met the lead at a networking event","createdBy":"Bob Smith"}]]
```

The screenshot shows a browser window with three tabs at the top: "Eureka", "Zipkin", and "localhost:8060/api/campaigns". The "localhost:8060/api/campaigns" tab is active, displaying a large amount of JSON data. The data describes two campaigns: "Summer Sale Campaign" and "Winter Wonderland".

```
[{"campaignId":1,"name":"Summer Sale Campaign","description":"Promote summer products with discounts","startDate":"2023-06-01T00:00:00.000+00:00","endDate":"2023-08-31T00:00:00.000+00:00","budget":50000.0,"status":"ACTIVE","campaignActivities":[{"activityId":1,"type":"Email","date":"2023-06-15T00:00:00.000+00:00","status":"SCHEDULED","responseRate":0.0}],"events":[{"eventId":1,"name":"Summer Kickoff Event","description":"Launch event for the Summer Sale Campaign","date":"2023-06-01T00:00:00.000+00:00","location":"New York City","organizer":"Marketing Team","attendeesCount":500}],"marketingLists":[{"listId":1,"name":"Summer Customers","description":"List of customers interested in summer products","creationDate":"2023-05-15T00:00:00.000+00:00","listType":"EMAIL","content":"summer_customers.csv"}],"surveys":[{"surveyId":1,"name":"Summer Product Survey","description":"Survey to gather feedback on summer products","creationDate":"2023-06-10T00:00:00.000+00:00","questions":["How satisfied are you with our summer product range?","Which summer product categories would you like to see more options for?","How likely are you to recommend our summer products to others?"],"responses":[]}], {"campaignId":2,"name":"Winter Wonderland Campaign","description":"Promote winter products with special offers","startDate":"2023-11-01T00:00:00.000+00:00","endDate":"2024-01-31T00:00:00.000+00:00","budget":75000.0,"status":"ACTIVE","campaignActivities":[{"activityId":2,"type":"Social Media","date":"2023-12-01T00:00:00.000+00:00","status":"SCHEDULED","responseRate":0.0}],"events":[{"eventId":2,"name":"Winter Fest","description":"Celebrate the start of the Winter Wonderland Campaign","date":"2023-11-15T00:00:00.000+00:00","location":"Chicago","organizer":"Sales Team","attendeesCount":800}],"marketingLists":[{"listId":2,"name":"Winter Enthusiasts","description":"List of customers interested in winter products","creationDate":"2023-10-01T00:00:00.000+00:00","listType":"EMAIL","content":"winter_enthusiasts.csv"}],"surveys":[{"surveyId":2,"name":"Winter Product Survey","description":"Survey to gather feedback on winter products","creationDate":"2023-11-10T00:00:00.000+00:00","questions":["How satisfied are you with our winter product range?","Which winter product categories would you like to see more options for?","How likely are you to recommend our winter products to others?"],"responses":[]}]}]
```

Screenshot of a web browser showing multiple tabs and the Zipkin UI.

The browser tabs are:

- Eureka
- Zipkin
- localhost:8060/api/campaigns

The URL in the address bar is: `localhost:9411/zipkin/?lookback=15m&endTs=1718560250584&limit=10`

The Zipkin interface shows the following results table:

Root	Start Time	Spans	Duration	Action
api-gateway: http get	5 minutes ago (06/16 23:16:16:021)	3	862.515ms	<button>SHOW</button>
api-gateway: http get	4 minutes ago (06/16 23:16:55:690)	3	210.676ms	<button>SHOW</button>
api-gateway: http get	3 minutes ago (06/16 23:17:27:335)	3	200.530ms	<button>SHOW</button>
api-gateway: http get	2 minutes ago (06/16 23:18:54:321)	3	160.497ms	<button>SHOW</button>
api-gateway: http get	a minute ago (06/16 23:19:44:718)	3	144.368ms	<button>SHOW</button>
customer-service: http get /api/customers	5 minutes ago (06/16 23:16:06:272)	1	95.195ms	<button>SHOW</button>
marketing-service: http get /api/campaigns	a minute ago (06/16 23:19:28:520)	1	75.681ms	<button>SHOW</button>
support-and-analytics-service: http get /*	7 minutes ago (06/16 23:14:01:818)	1	61.844ms	<button>SHOW</button>