Java Spring Boot Microservices on Azure

Micro-credential Program

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# Use Case Documentation



# Associate Details

|  |  |
| --- | --- |
| Employee ID | 413643 |
| Employee Name | Linesh Mehta |

# GitHub Repo

<https://github.com/lineshmehta5/cognizant-azure-mc-program>

# Steps to Run Applications

There are a total of 3 applications namely:

* Order Service
* Package Service
* Courier/Shipping Service

All the applications are Java/SpringBoot applications and use Maven for building.

### To run applications locally:

* Uncomment **server.port** propertyin application.properties
* Run **mvn clean install**

### To run applications in Azure as Webapp:

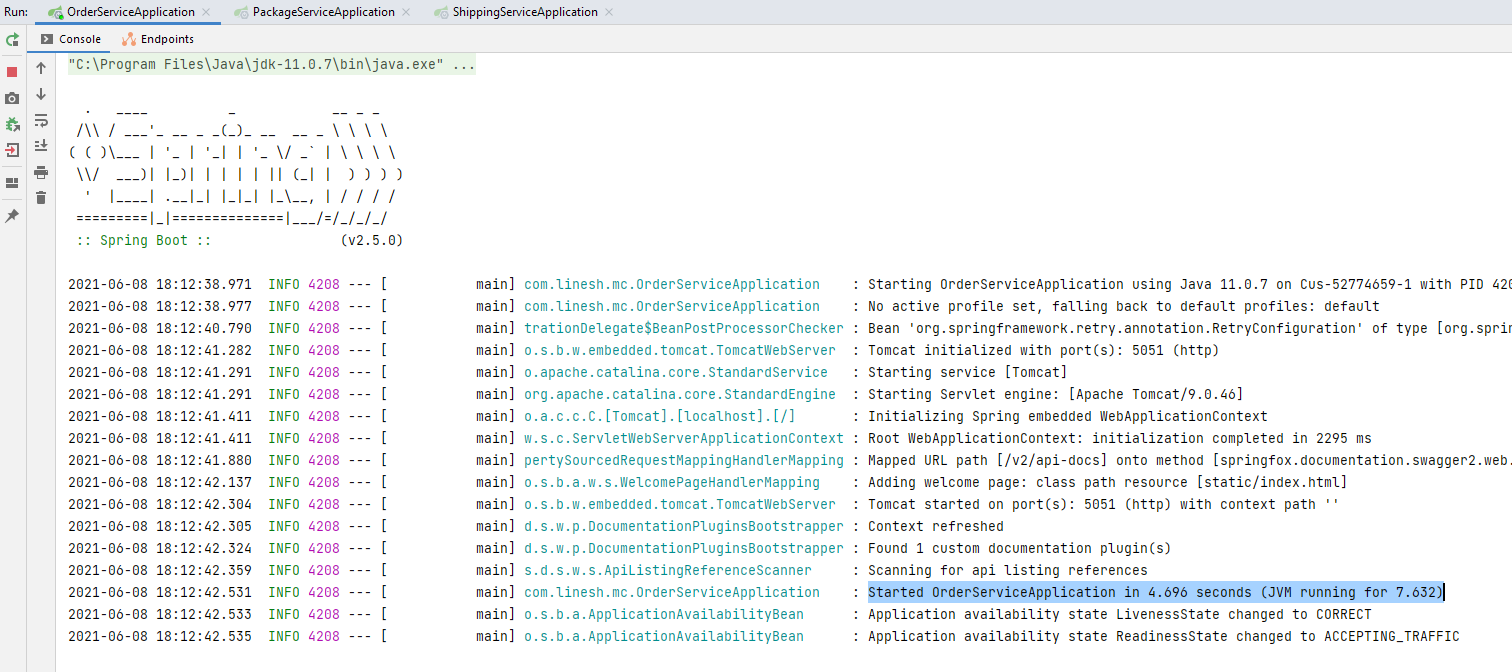
* mvn com.microsoft.azure:azure-webapp-maven-plugin:1.14.0:config
* mvn azure-webapp:deploy

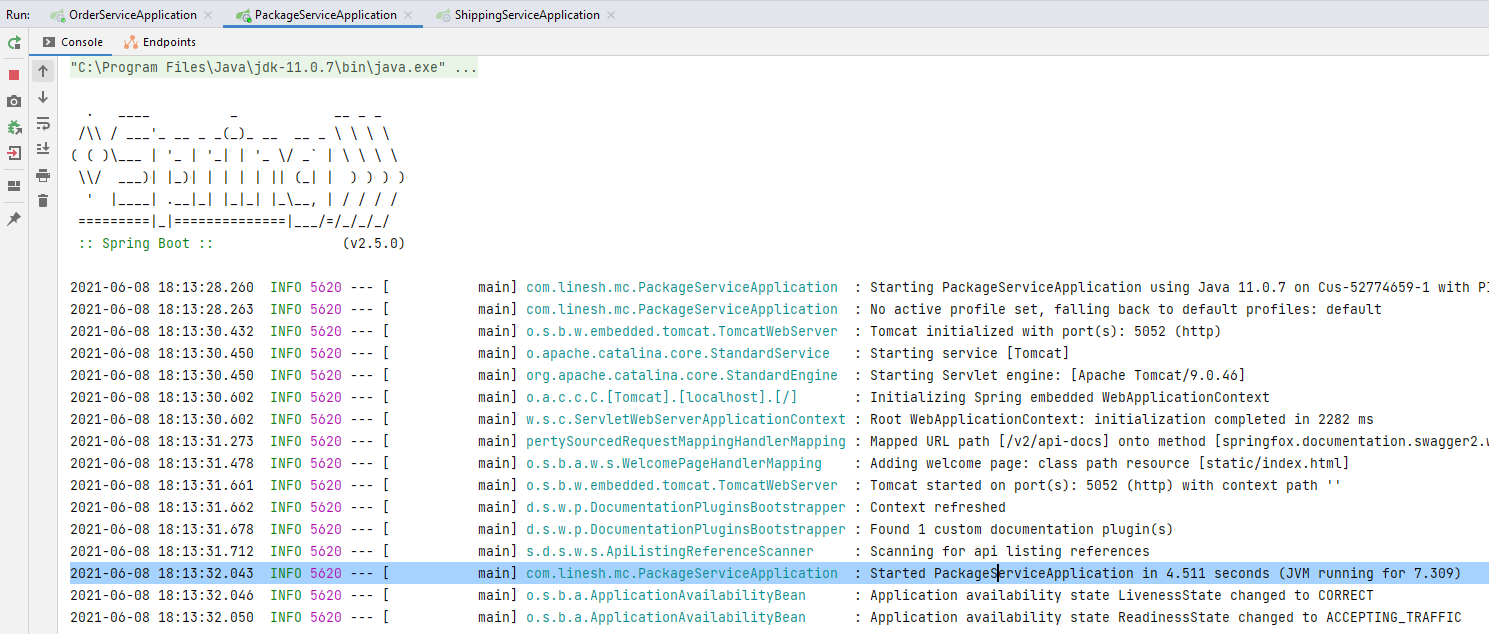
# K-Point Details

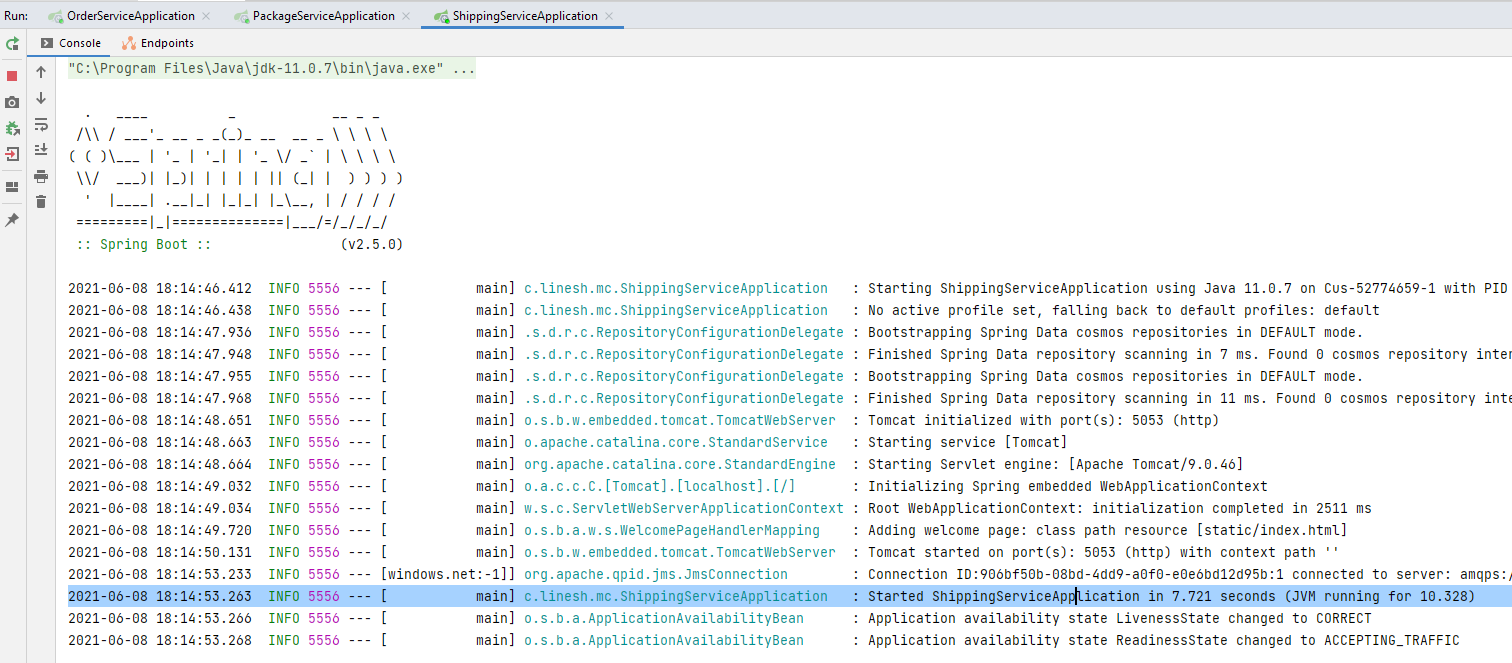
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| --- | --- |
| Video Title |  |
| Video Link |  |

# Screenshots - Local System Execution

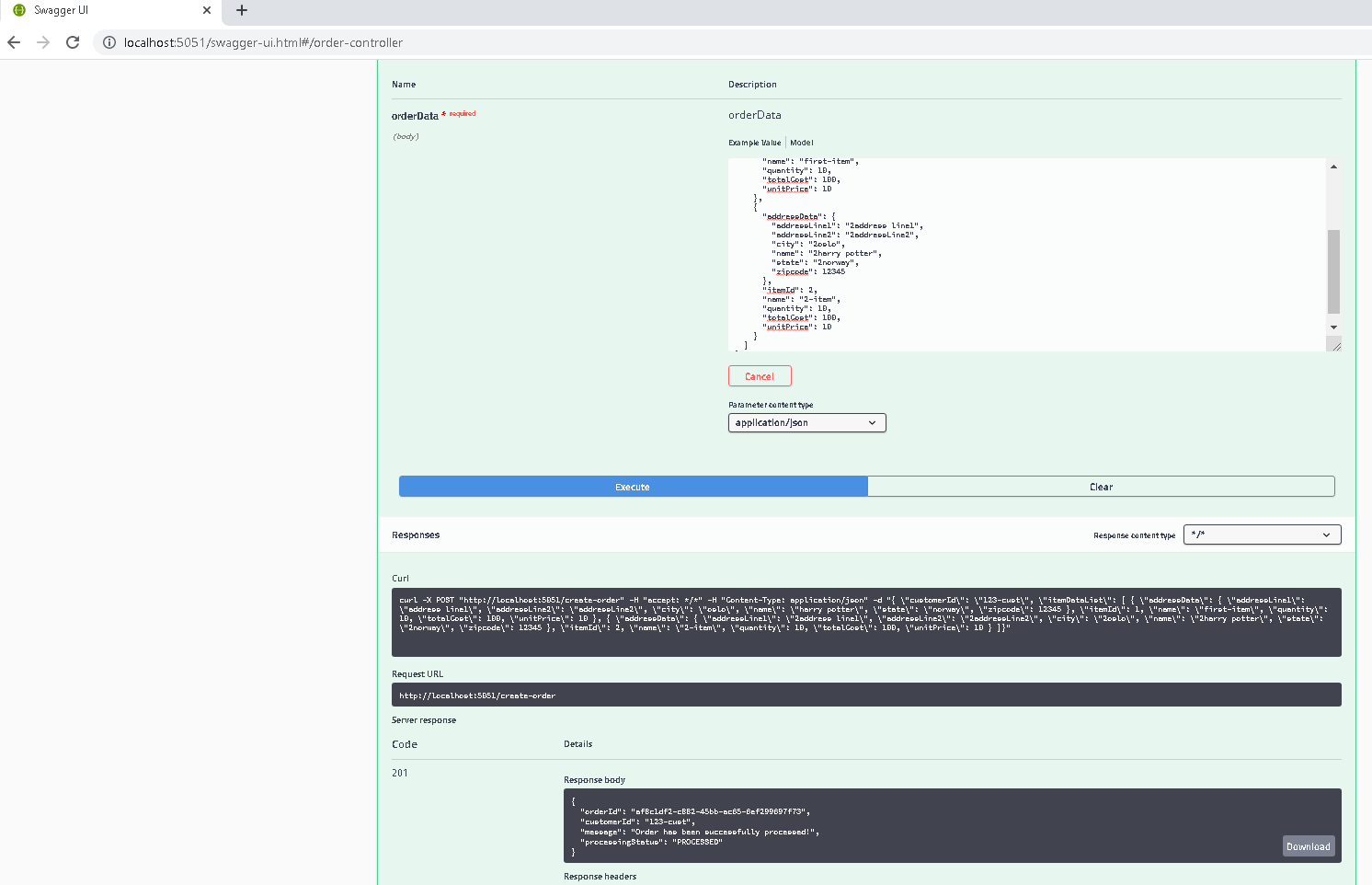
### All Micro services Running Locally without any Errors



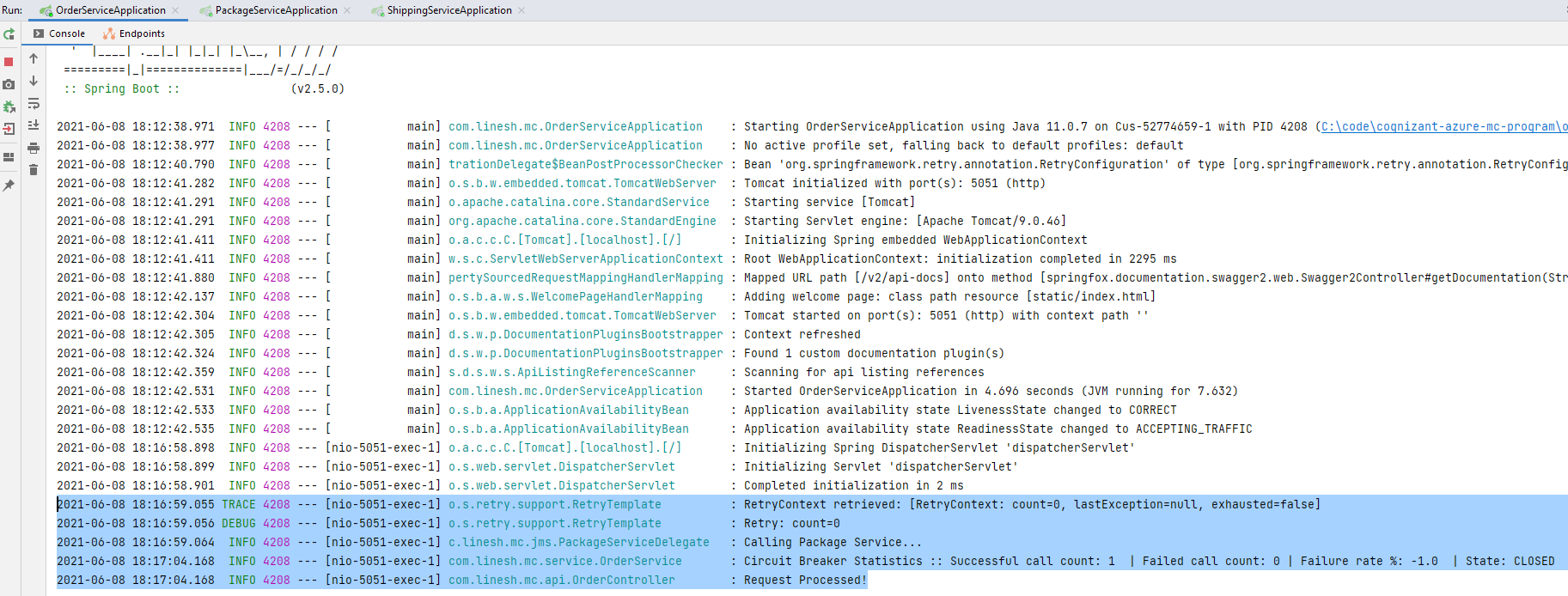




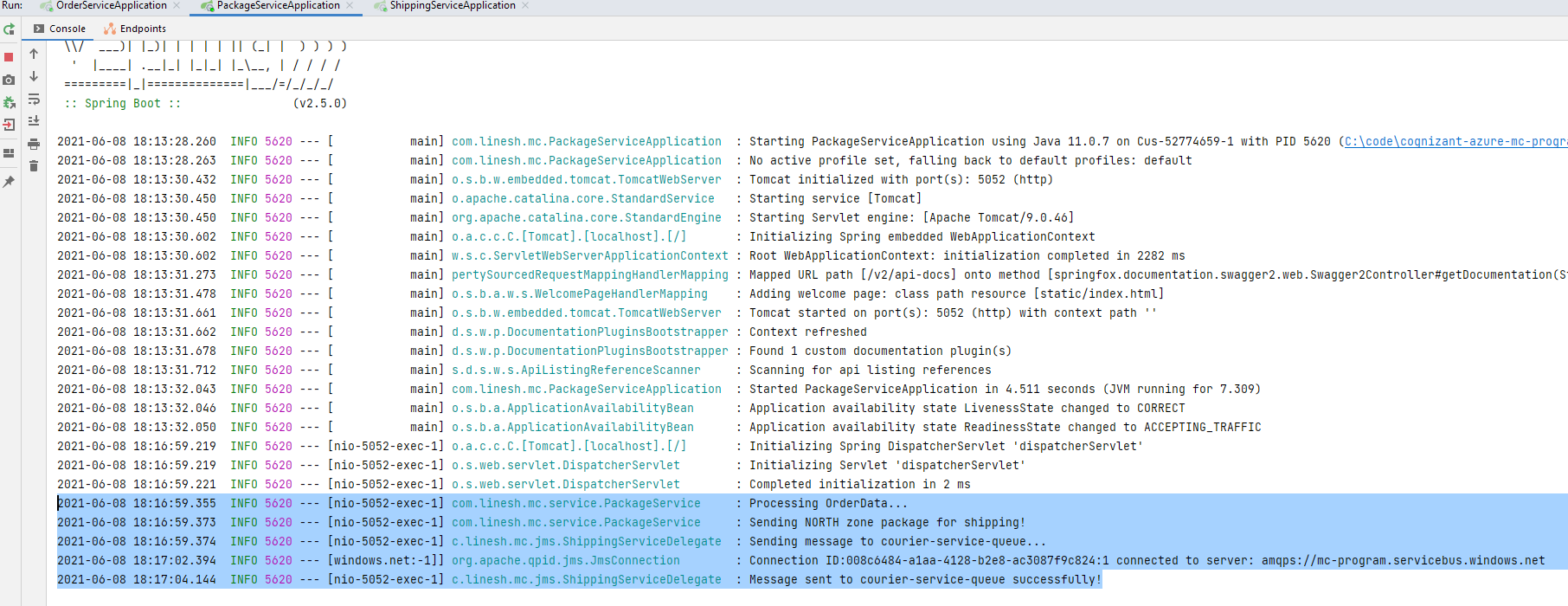
### Posting Request in Swagger UI for Order Service



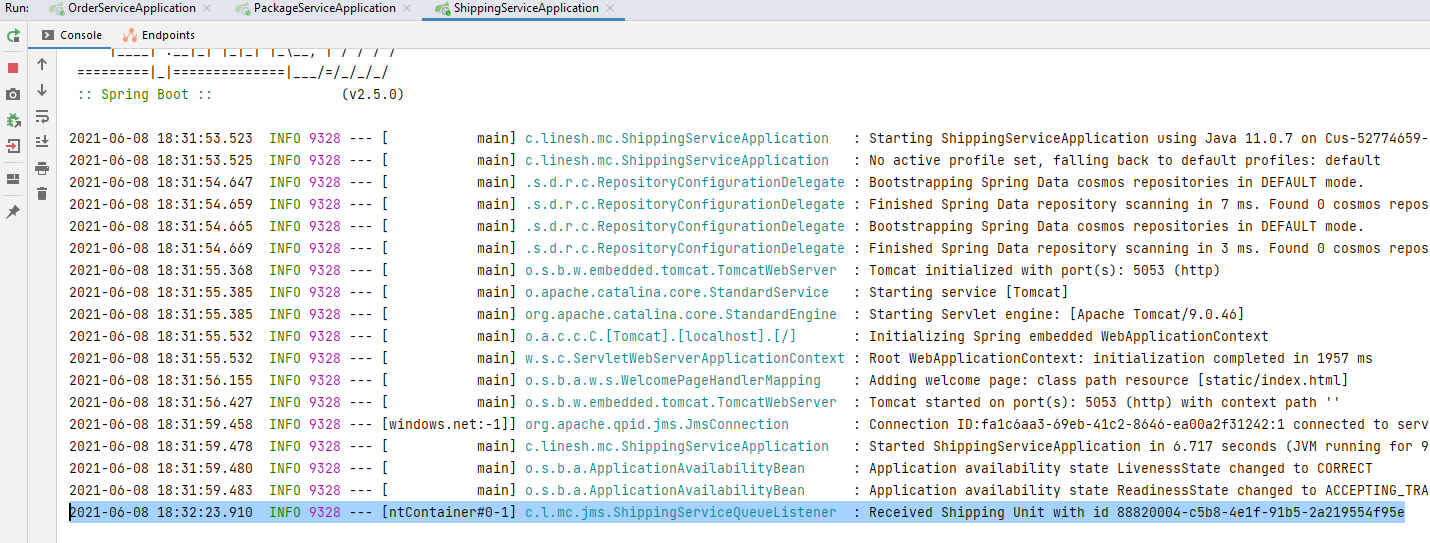
### Circuit Breaker and Retry Functionalities in Order Service



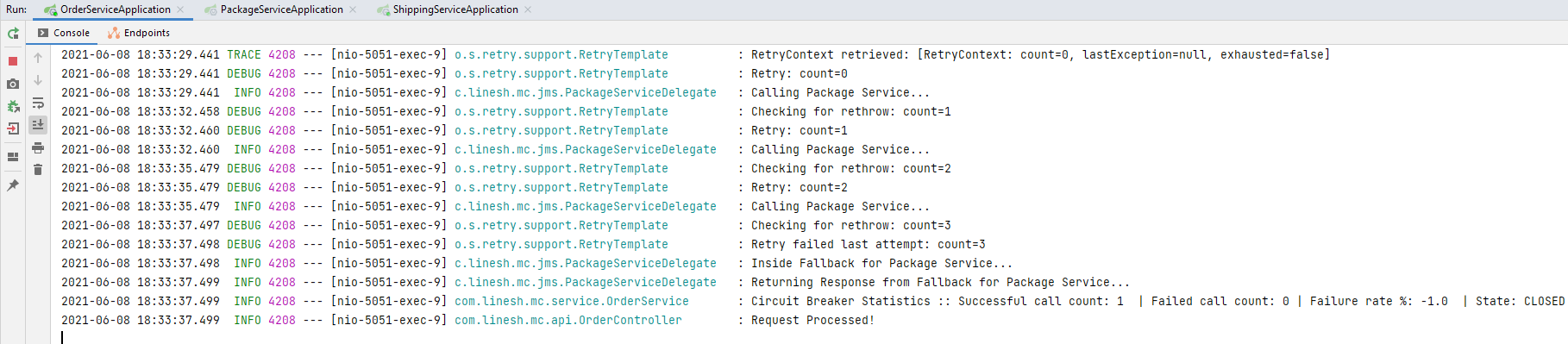
### Data Received in Downstream Systems – Package Service



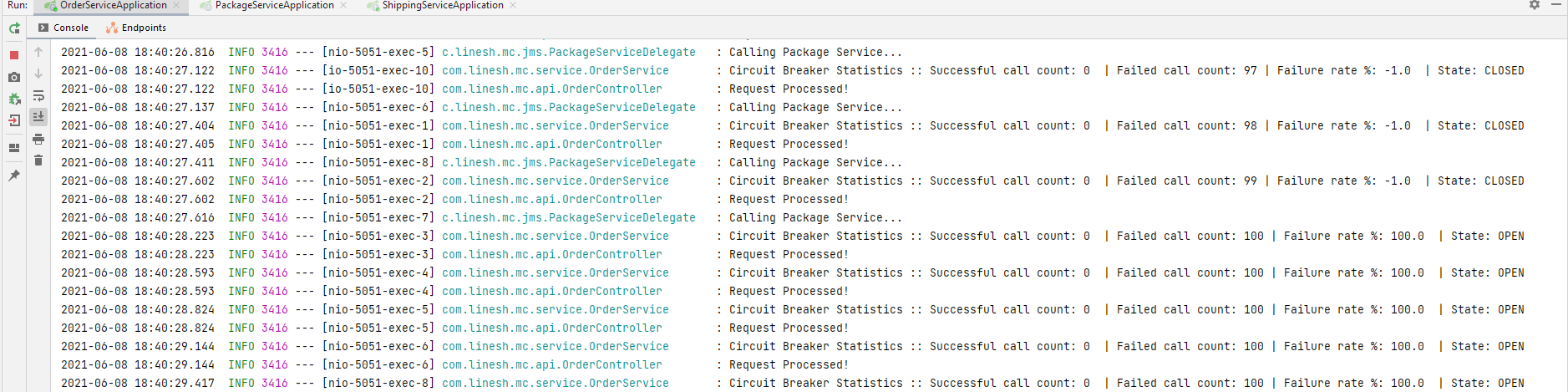
### Data Received in Downstream Systems – Courier Service



### Retry and Fallback

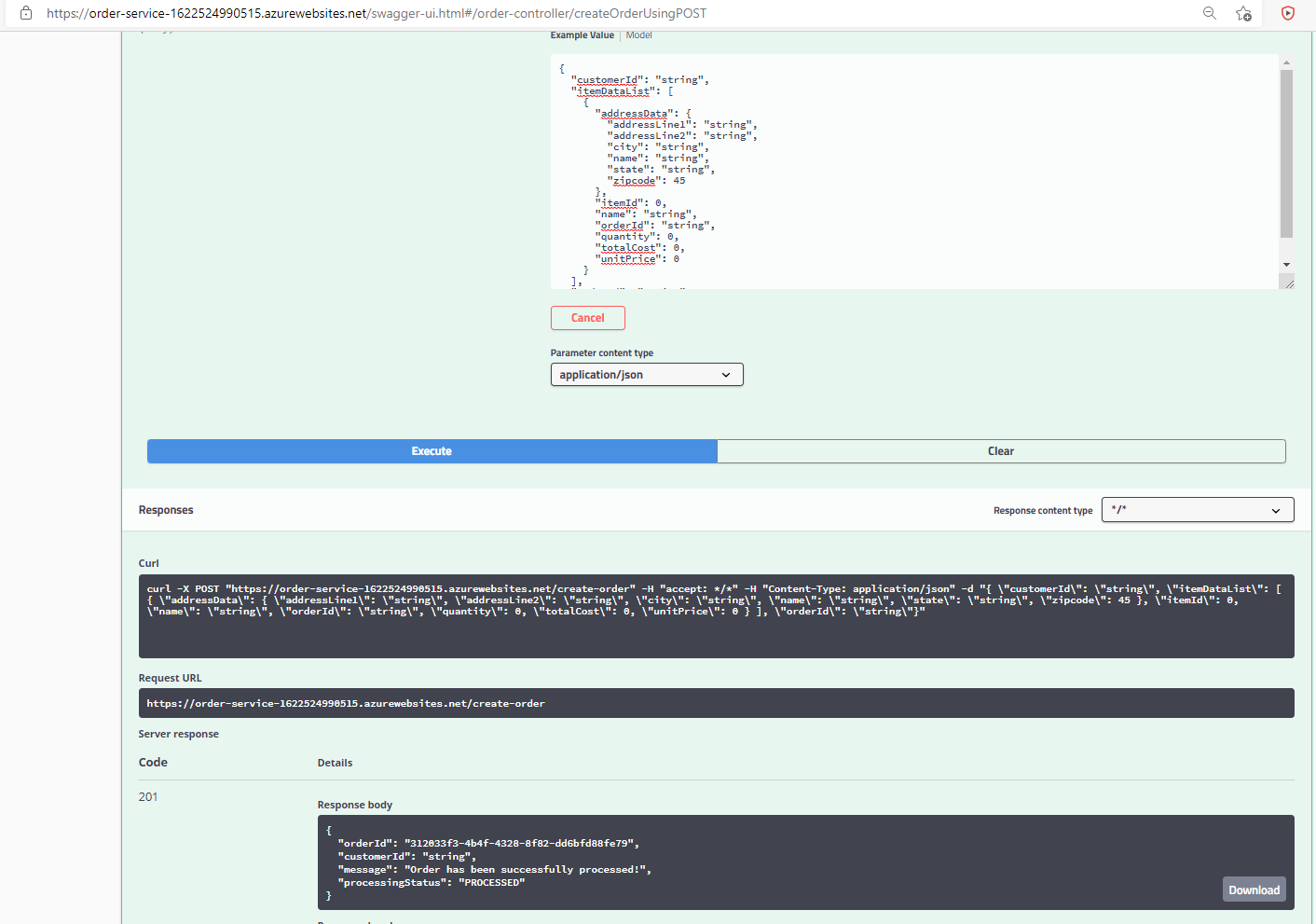


### Circuit Breaker

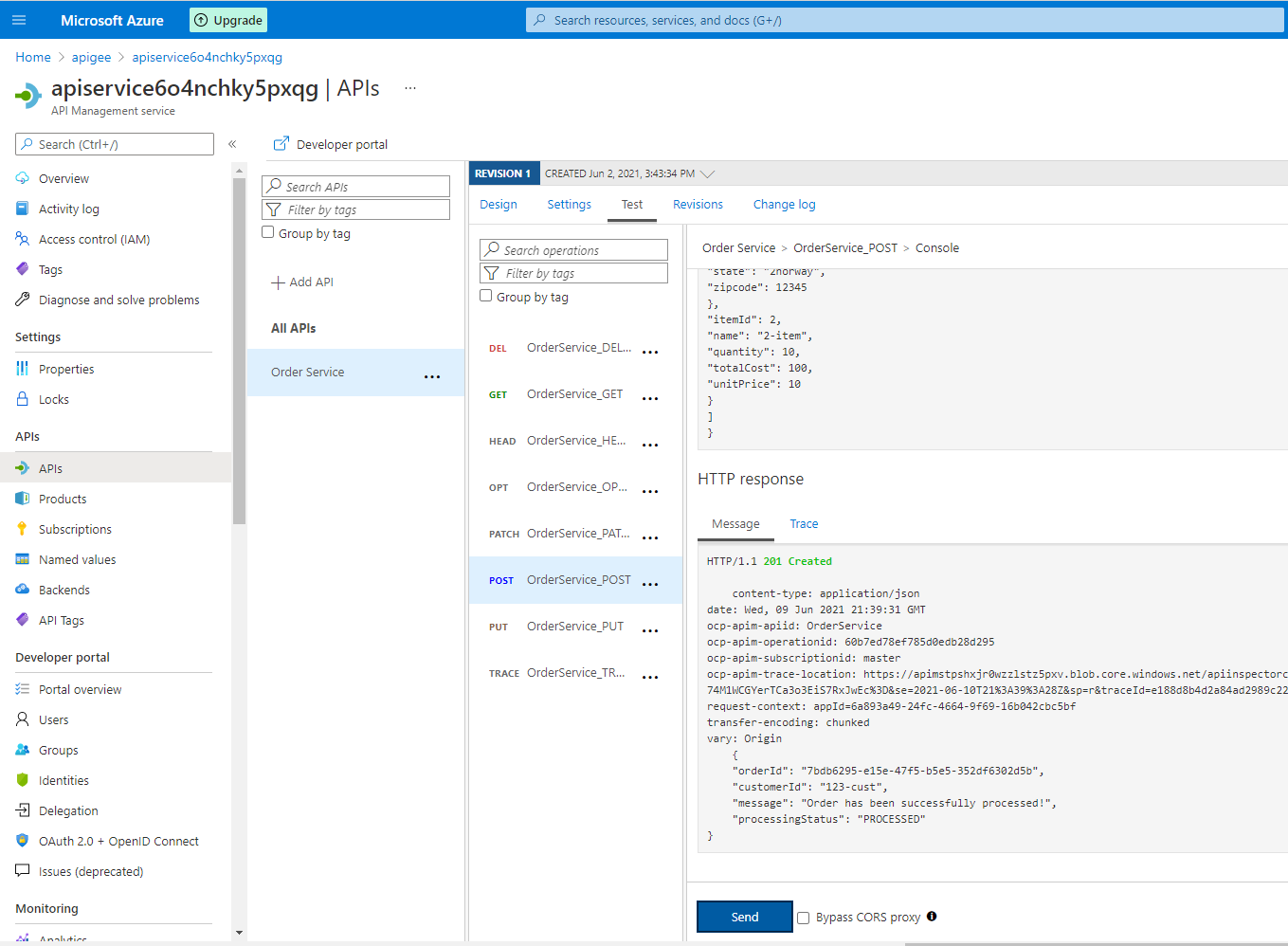


# Screenshots – Applications Running in Azure

### Order Service with Swagger

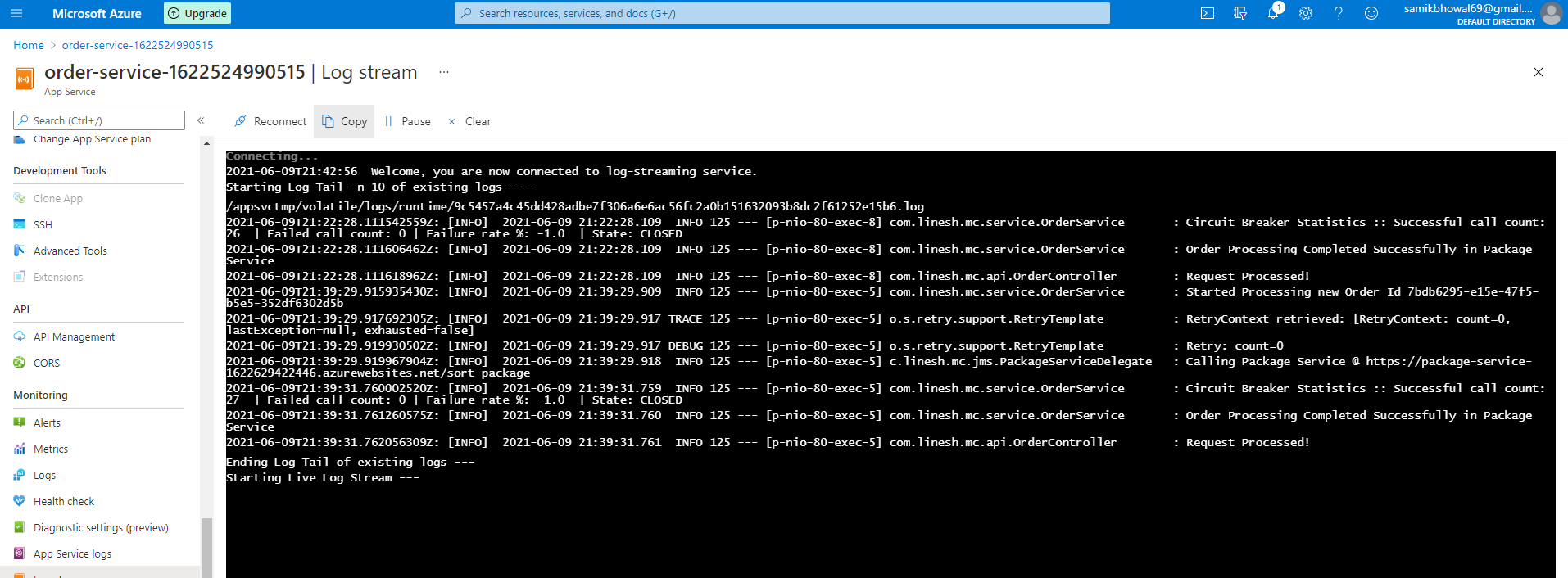


### Order Service with API Gateway

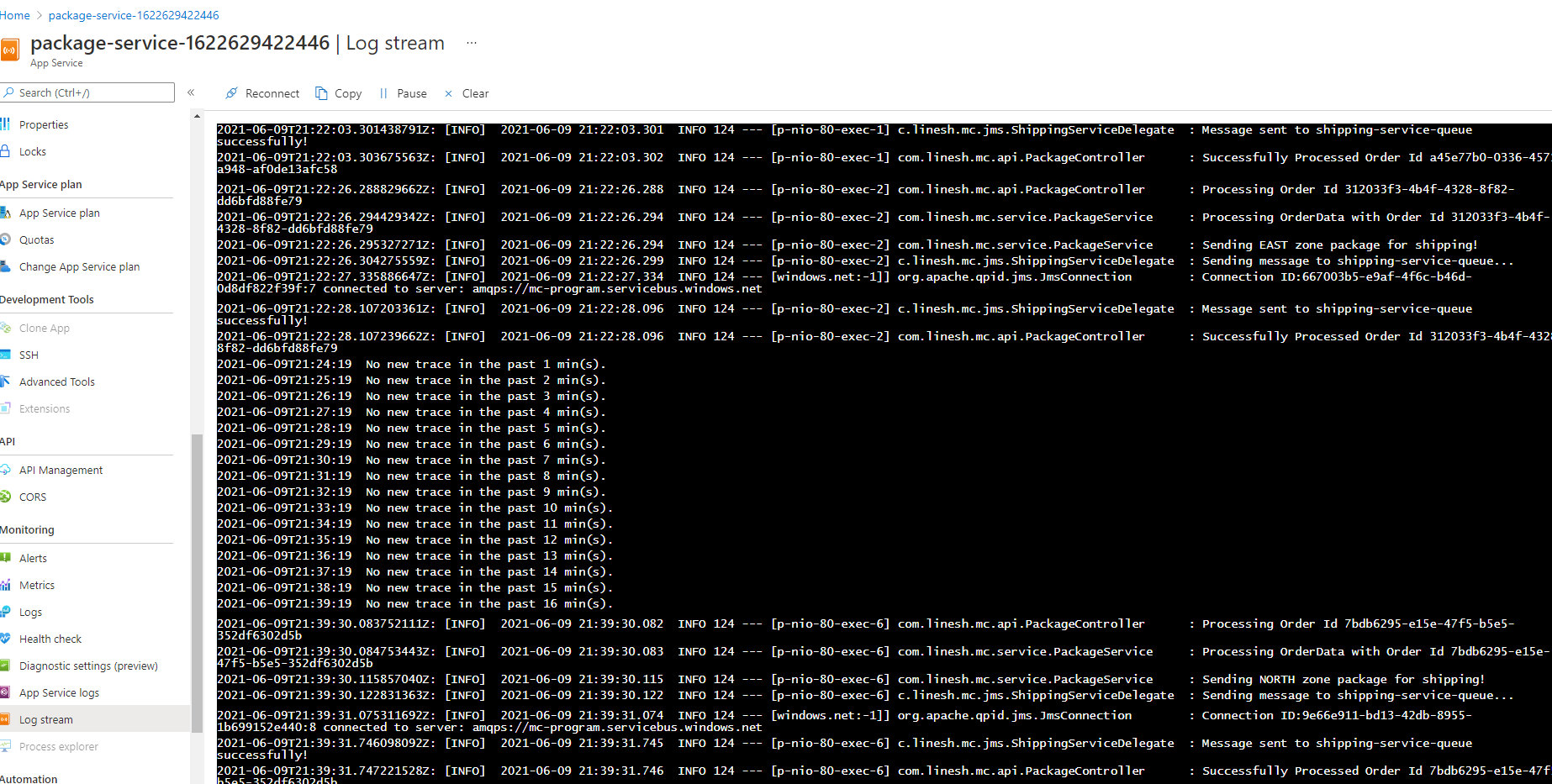


# Screenshots - Azure Application Logs

### Order Service



### Package Service



### Courier Service

