**Staff Engineering - Level 6 | AstroPay – SOLUTION**

**Description**

The following graphical documentation details the proposed solution to manage the activities performed by users within Astropay's transaction system. The primary objective is to provide a robust solution capable of supporting millions of transactions and scalable over time.

**Components Software**

The following software components were used for the solution:

* Zuul Api Gateway
* Eureka (Service Discovery)
* Oauth2
* Springboot
* H2 (memory DB)
* JPA

**Components Diagram**

Below is the diagram of the solution, consisting of the following services:

* springboot-service-zuul-server
* springboot-service-eureka-server
* springboot-service-oauth
* springboot-service-users
* springboot-service-config-server
* springboot-service-activities

Imagen que contiene interior, texto, tabla, computadora

Descripción generada automáticamente

**Sequences Diagram (Login)**

Imagen que contiene Diagrama

Descripción generada automáticamente

**Sequences Diagram (Activities)**

Diagrama

Descripción generada automáticamente

**APPENDIX**

Api Documentation

<http://localhost:8090/activity-management/swagger-ui/#/activities-controller>

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

Postman Collection

Texto

Descripción generada automáticamente