AMZ Microservices Architecture

The AMZ microservice consist of 6 microservices:

- Config service
Config service contains all other microservices configurations. Each microservice reach this service to receive its own configurations.

- Discovery service
A service discovery (Netflix Eureka Service Registry) is useful because it enables client-side load-balancing and decouples service providers from consumers without the need for DNS.

- Gateway service
Gateway service (Netflix Zuul) route API requests to the respective services. It provides dynamic routing, monitoring, security, etc.

- Auth service
Auth service is responsible for user authentication. It produces JWT token with expiration, which is possible to use to access other microservices protected endpoints. Also, it's possible to renew the access token using the refresh token, without having initial credentials.

- Account service
Account service enables the user to create a new account, update an existing account, remove an account and search account. When a new account is requested this microservice requests to "auth" microservice to store the account credentials. The ACID of the transaction will be provided by the SAGA pattern.

- Product service
Product microservice provide product add and search functionality