Spring Cloud is a **Spring module** that provides the **RAD** (Rapid Application Development) feature to the Spring framework.

The messaging pattern follows the **Publish-Subscribe** (Pub-Sub) model. In the Pub-Sub model, the sender of the message is called publisher and receiver of the message is called subscribers. **Apache Kafka** and **RabbitMQ** are the popular high throughput messaging system

Service provider: server

Service Requester: client

Actuator – is used to monitor micro-services

**Client side load balancing**: through feign framework load balancing is called client side load balancing

Spring.cloud.loadbalancer is used by feign old load balancer was ribbon

Zuul gateway is old now is not supported by Netflix server new gateway is spring cloud gateway

eureka.client.serviceUrl.defaultZone=http://localhost:8761/eureka/

spring.cloud.gateway.discovery.locator.enabled=true

spring.cloud.gateway.discovery.locator.lower-case-service-id=true

spring.application.name=fx-discovery-server

eureka.client.register-with-eureka=false

eureka.client.fetch-registry=false