

**Define API Gateway Routes**

You can configure the API Gateway in two ways

1. YAML Configuration (application.yml/application properties)

@Configuration  
public class GatewayConfig {  
  
 @Bean  
 public RouteLocator gatewayRoutes(RouteLocatorBuilder builder) {  
 return builder.routes()  
 .route("product-service", r -> r.path("/product/\*\*")  
 .uri("http://localhost:8081"))  
 .route("order-service", r -> r.path("/orders/\*\*")  
 .uri("http://localhost:8082"))  
 .build();  
 }  
  
}

@SpringBootApplication  
//@EnableDiscoveryClient  
public class ApiGatewayServiceApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.*run*(ApiGatewayServiceApplication.class, args);  
 }  
  
}

1. Java-Based Configuration (GatewayConfig.java)

spring.application.name=api-gateway  
  
server.port=8000  
  
#eureka configuration  
eureka.client.service.url.defaultZone=http://localhost:8761/eureka/  
spring.cloud.gateway.discovery.locator.enabled=false  
spring.cloud.netflix.eureka.discovery.enabled=true  
  
#define static routes for product service application  
spring.cloud.gateway.routes[0].id=product-service  
spring.cloud.gateway.routes[0].uri=lb://PRODUCT-SERVICE  
spring.cloud.gateway.routes[0].predicates[0]=Path=/product/\*\*  
  
#define static routes for order service application  
spring.cloud.gateway.routes[1].id=order-service  
spring.cloud.gateway.routes[1].uri=lb://ORDER-SERVICE  
spring.cloud.gateway.routes[1].predicates[0]=Path=/orders/\*\*