Flyway, açık kaynaklı database migration'ları yapmamızı sağlayan bir tool'dur. Sadeliği ve konfigürasyondan bağımsız konvensiyonel bir mekanizmayı ön plana çıkarmayı amaçlar.

Ücretsiz olarak kullanabileceğimiz Kong API Gateway => https://konghq.com/products/api-gateway-platform

Kong açık kaynak kodlu ölçeklenebilir API Gateway ürünüdür. Clientlerinizin servislerinize bir endpoint üzerinden ulaşmasını sağlar yani artık clientleriniz doğrudan servislerinizi değil kong endpointini çağırır ve bu endpoint ilgili servise yönlendirme yapar. Kong yönlendirme yaparken size sağladığı pluginler ile authentication, security, response rate limiting, request size limiting, logging gibi çözümler sunar.

WSO2 API Gateway=>

https://apim.docs.wso2.com/en/latest/deploy-and-publish/deploy-on-gateway/api-gateway/overview-of-the-api-gateway/

https://restfulapi.net/versioning/

REST API nasıl versiyonlanmalı?

1. URI Versioning

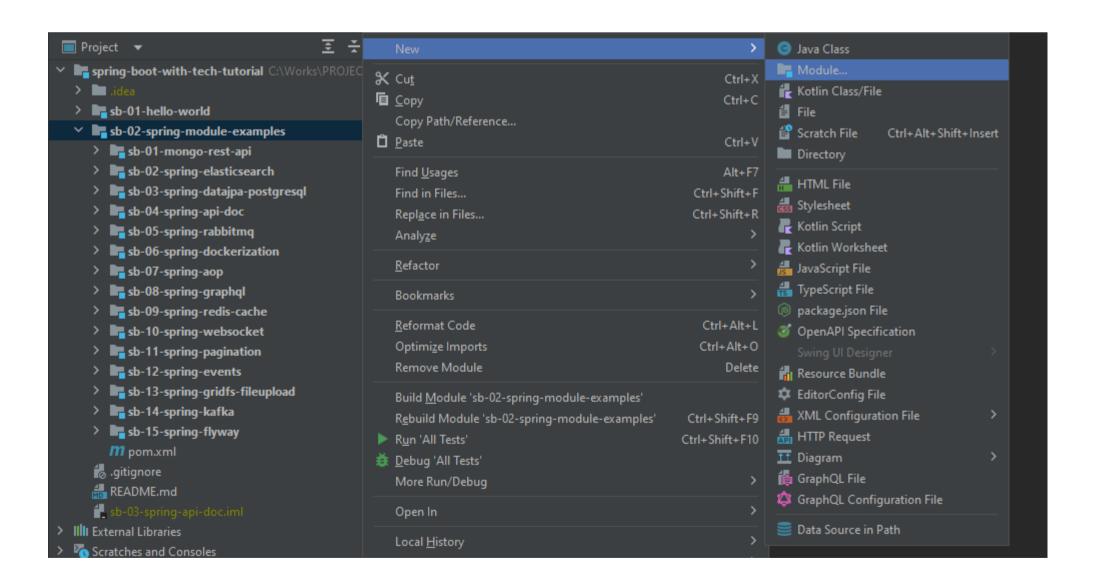
http://api.example.com/v1 http://apiv1.example.com

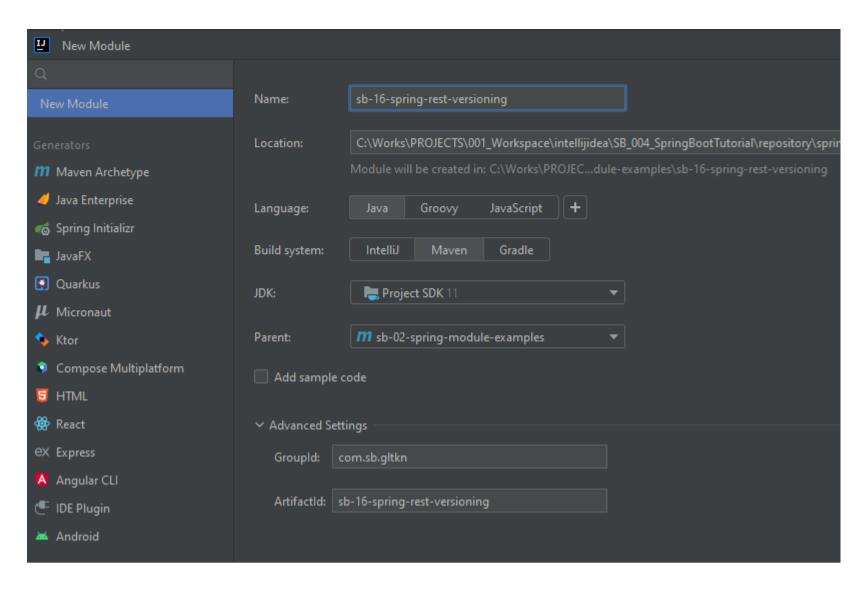
2. Request Header ile Versioning

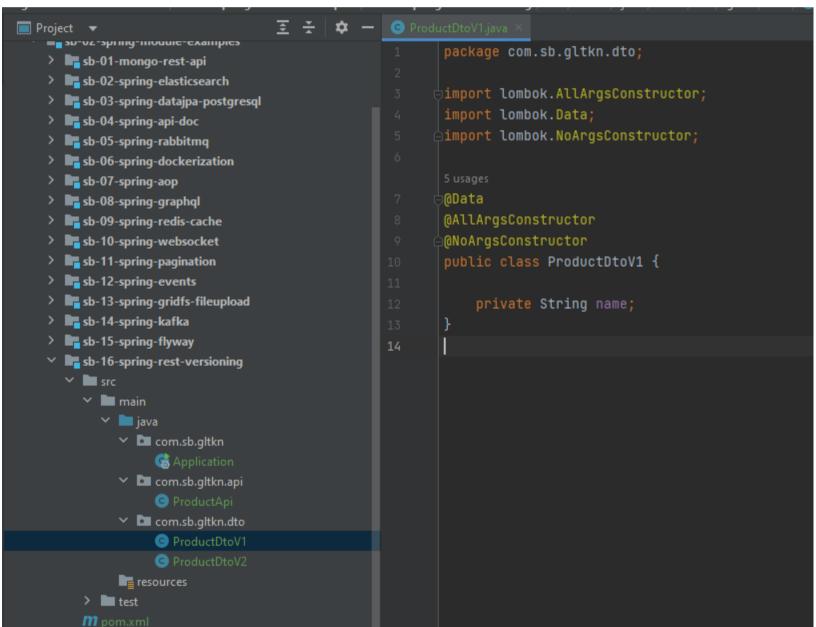
Accept-version: v1
Accept-version: v2

3. "Accept" header ile Versioning

Accept: application/vnd.example.v1+json Accept: application/vnd.example+json;version=1.0







```
Project
    == sn-nr-shillin-lilonnic-evallibles
                                                              package com.sb.gltkn.dto;
    > 📴 sb-01-mongo-rest-api
    > a sb-02-spring-elasticsearch
    > 📭 sb-03-spring-datajpa-postgresql
    > III sb-04-spring-api-doc
    > R sb-05-spring-rabbitmq
                                                              @Data
    > R sb-06-spring-dockerization
                                                              @AllArgsConstructor
    > lig sb-07-spring-aop
                                                              @NoArgsConstructor
    > R sb-08-spring-graphql
                                                              public class ProductDtoV2 {
    > r sb-09-spring-redis-cache
    > R sb-10-spring-websocket
    > 📴 sb-11-spring-pagination
                                                                  private String name;
    > | sb-12-spring-events
                                                                   private BigDecimal price;
    > 📴 sb-13-spring-gridfs-fileupload
    > R sb-14-spring-kafka
    > III sb-15-spring-flyway

✓ In sb-16-spring-rest-versioning

✓ Image: Src

✓ Imain

            🗡 🖿 java
              6 Application
              com.sb.gltkn.api
              © ProductDtoV2
              resources
         > 🖿 test
```

```
互 🛨 🔯 🗕 🌀 ProductDtoV1.java × 💿 ProductDtoV2.java
       == su-v i-ilioliyo-i est-api
                                                                                                                                                    package com.sb.gltkn.api;
> r sb-02-spring-elasticsearch
> 🚾 sb-03-spring-datajpa-postgresql
> a sb-04-spring-api-doc
> R sb-05-spring-rabbitmq
                                                                                                                                                    import org.springframework.http.ResponseEntity;
> a sb-06-spring-dockerization
                                                                                                                                                    import org.springframework.web.bind.annotation.GetMapping;
> a sb-07-spring-aop
                                                                                                                                                    import org.springframework.web.bind.annotation.RequestMapping;
> 📴 sb-08-spring-graphql
                                                                                                                                                    import org.springframework.web.bind.annotation.RestController;
> redis-cache
> r sb-10-spring-websocket
                                                                                                                                                    import java.math.BigDecimal;
> r sb-11-spring-pagination
                                                                                                                                                   import java.util.Optional;
> r sb-12-spring-events
> 📴 sb-13-spring-gridfs-fileupload
                                                                                                                                                 @RestController
> 📴 sb-14-spring-kafka
> 📴 sb-15-spring-flyway
                                                                                                                                                    @RequestMapping(©~"<u>/api</u>")
sb-16-spring-rest-versioning

✓ Image: Second se

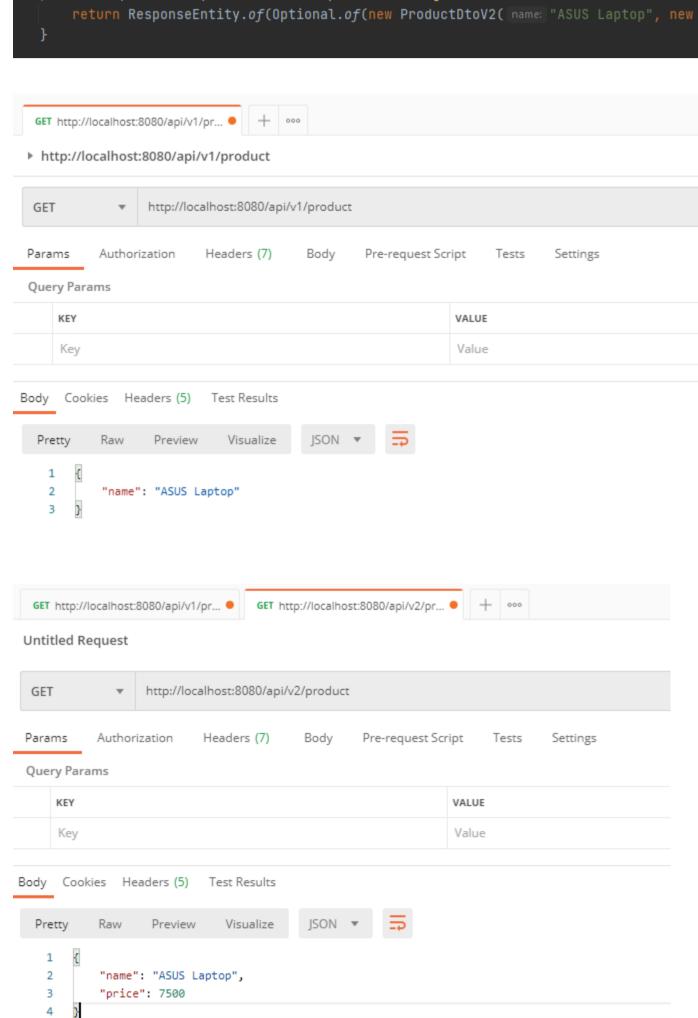
✓ Imain

                           com.sb.gltkn
                                         🜀 Applicatior
                                                                                                                                                               public ResponseEntity<ProductDtoV1> pathVersioningV1(){
                           Com.sb.gltkn.api
                                        ProductApi
                           public ResponseEntity<ProductDtoV2> pathVersioningV2(){
             > test
                                                                                                                                                                            return ResponseEntity.of(Optional.of(new ProductDtoV2( name: "ASUS Laptop", new BigDecimal( val: 7500))));
 揚 .gitignore
🚠 README.md
```

URI Versioning(Path Param)

http://localhost:8080/api/v1/product

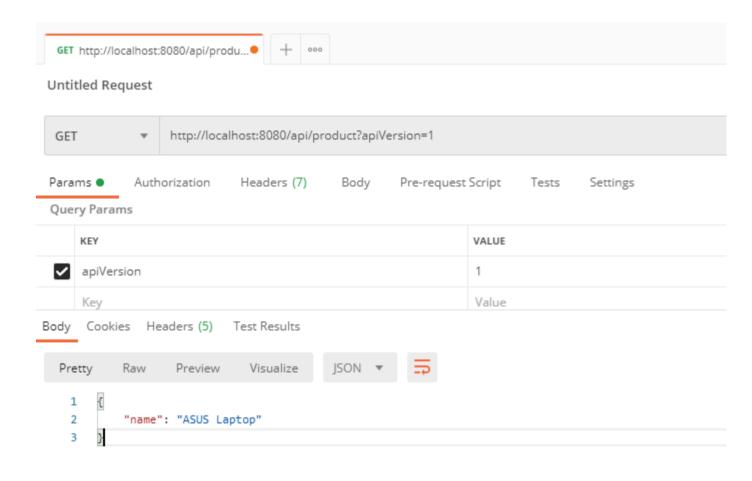
http://localhost:8080/api/v2/product

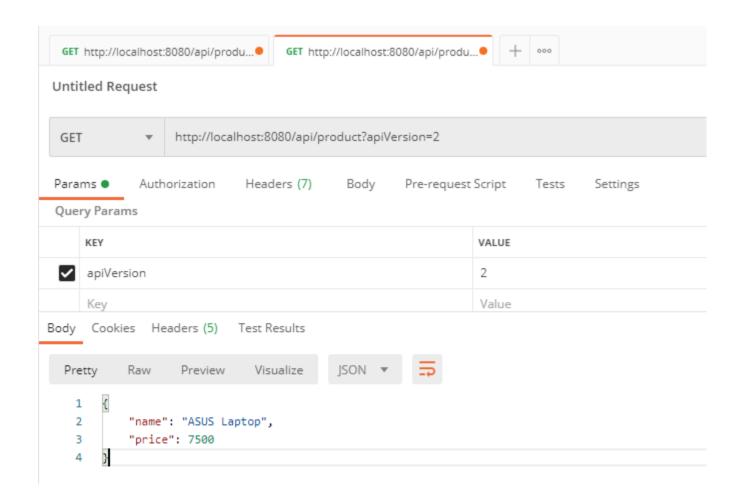


URI Versioning(Query Param)

http://localhost:8080/api/product?apiVersion=1

http://localhost:8080/api/product?apiVersion=2





Request Header Versioning

```
// http://localhost:8080/api/product
 @GetMapping(value = @>"/product", headers = "X-API-VERSION=1")
 public ResponseEntity<ProductDtoV1> headerVersioningV1(){
      return ResponseEntity.of(Optional.of(new ProductDtoV1( name: "ASUS Laptop")));
 // http://localhost:8080/api/product
 @GetMapping(value = @y"/product", headers = "X-API-VERSION=2")
 public ResponseEntity<ProductDtoV2> headerVersioningV2(){
      return ResponseEntity.of(Optional.of(new ProductDtoV2( name: "ASUS Laptop", new BigDecimal( val: 7500)));
  GET http://localhost:8080/api/product
Untitled Request
 GET
                 http://localhost:8080/api/product
                                                Pre-request Script
Params
           Authorization
                         Headers (8)
                                        Body
                                                                  Tests
                                                                          Settings
Headers • 7 hidden
     KEY
                                                            VALUE
 X-API-VERSION
                                                            1
                                                            Value
     Key
Body Cookies Headers (5) Test Results
                                        JSON ▼
  Pretty
           Raw
                            Visualize
                  Preview
   1
   2
           "name": "ASUS Laptop"
   3
  GET http://localhost:8080/api/product
Untitled Request
                 http://localhost:8080/api/product
 GET
                                        Body
Params
          Authorization
                         Headers (8)
                                                Pre-request Script
                                                                  Tests
                                                                          Settings
        7 hidden
Headers
                                                            VALUE
     KEY
    X-API-VERSION
                                                            2
                                                            Value
     Key
Body Cookies Headers (5) Test Results
  Pretty Raw Preview Visualize JSON ▼ 👼
   2
          "name": "ASUS Laptop",
```