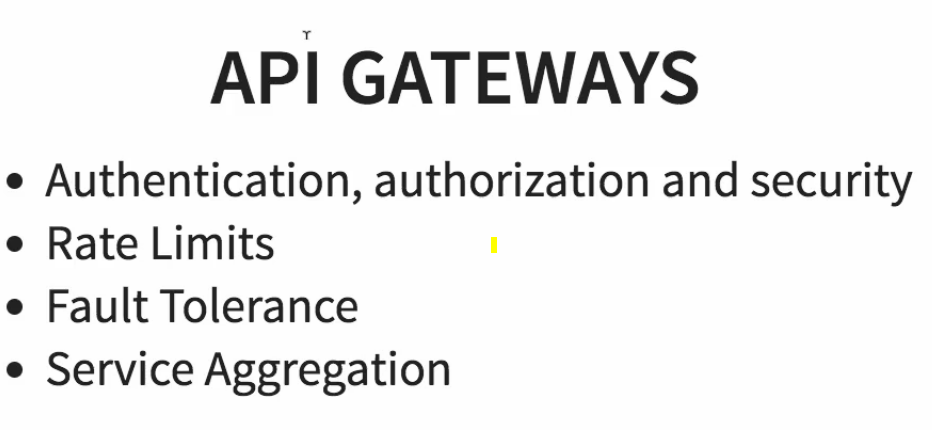
Note:- ZUUL is deprecated as on spring Boot > 2.5, use Spring cloud gateway as an alternate to this

Lets say , u want to authenticate each call to microservice from another micro service

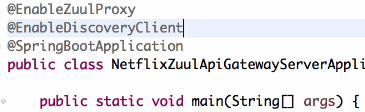
API Gateway can take care of common features like authentication like Zuul

all these can be implemented in API Gateways

# Configure Zuul API gateway to log all requests

Create a separate component for the api gateway stuff

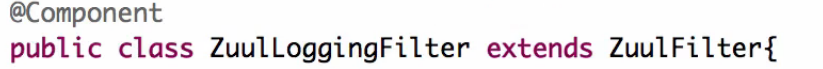
Add the below annotation

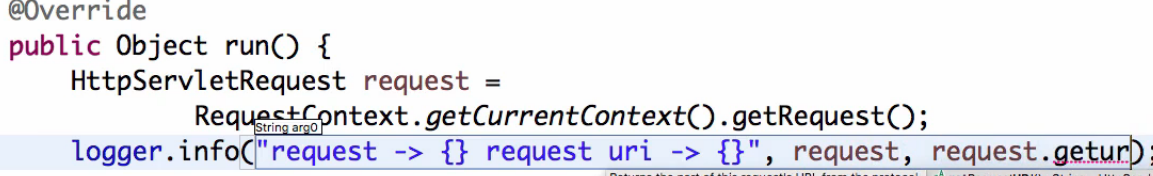


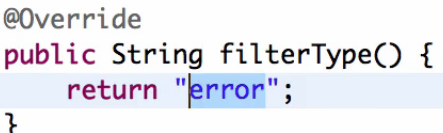
1. Configure application name using

Spring.application.name=nsdj something

Create a filter and extend as below







In the above case only errors will be intercepted

## How to ensure requests going via API gateway

If u call direct appn , the requests wont go via api gateway,

So don’t call direct app , instead call api gateway, in below 8765 is the API gateway url



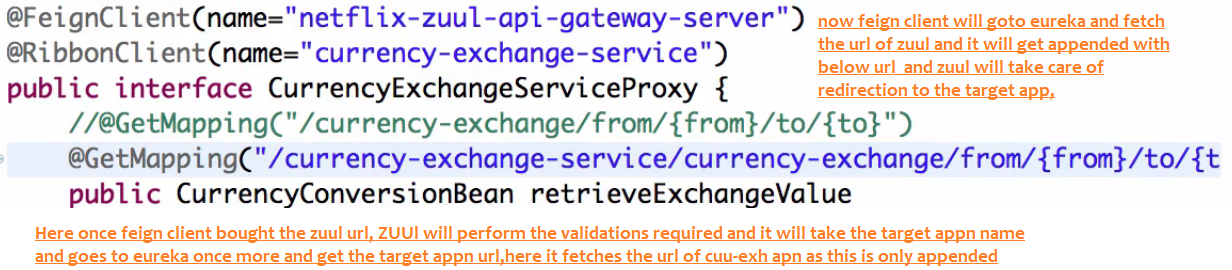
In above appn name is the name of the app u want to call.



### **How API Gateway knows the target appn URL**

In the above case, we are not calling the direct appn, we are calling API gateway, since all appns are eureka clients, it will take the Appn name (currency-exchange-service) and goes to the Eureka server and get the least load balanced url, and that’s how it api gateway will talk to the target appn

There fore with above approach we will be talking from currency –conversion to currency-exchange via API gateway url.



In the above scenario, feign client will go to eureka server and get the url of zuul api gateway

Here once feign client bought the zuul url, ZUUl will perform the validations required and it will take the target appn name

and goes to eureka once more and get the target appn url, here it fetches the url of

currency-exchange appn as this is only appended

### **Debugging Problems with Zuul API Gateway**

Using **Chrome Browser**is recommended.

<https://github.com/in28minutes/in28minutes-initiatives/tree/master/The-in28Minutes-TroubleshootingGuide-And-FAQ#debugging-problems-with-zuul-api-gateway>