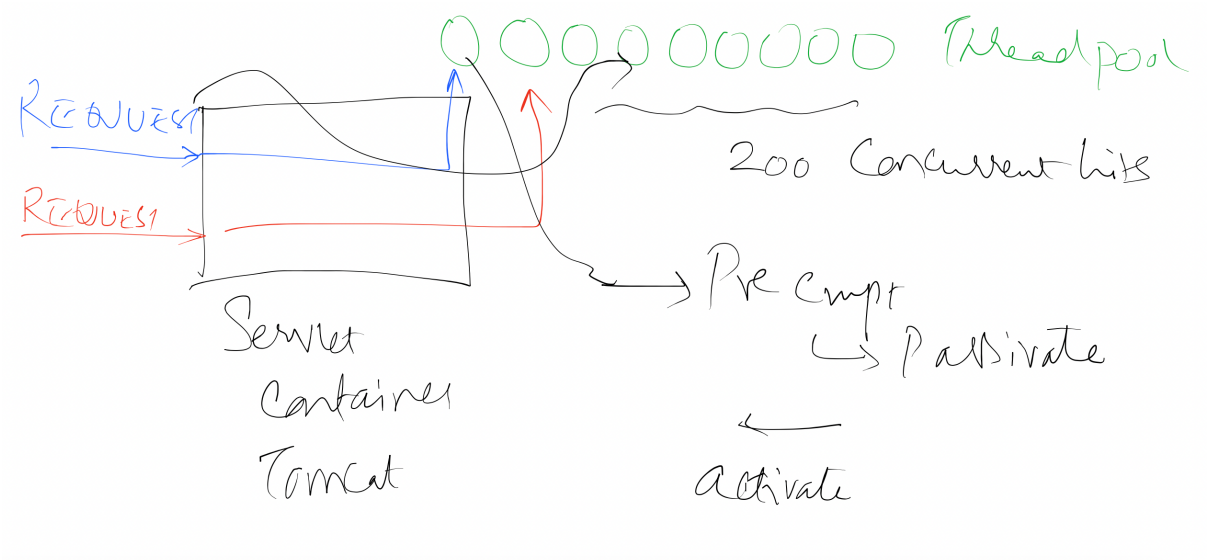
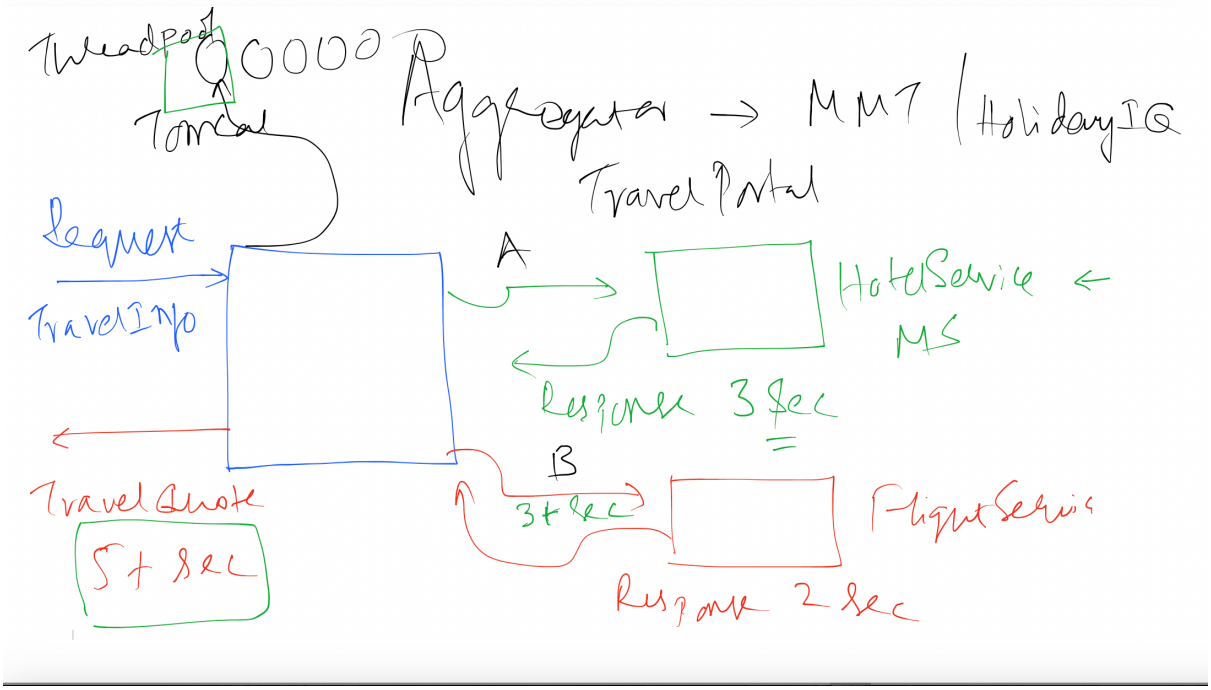
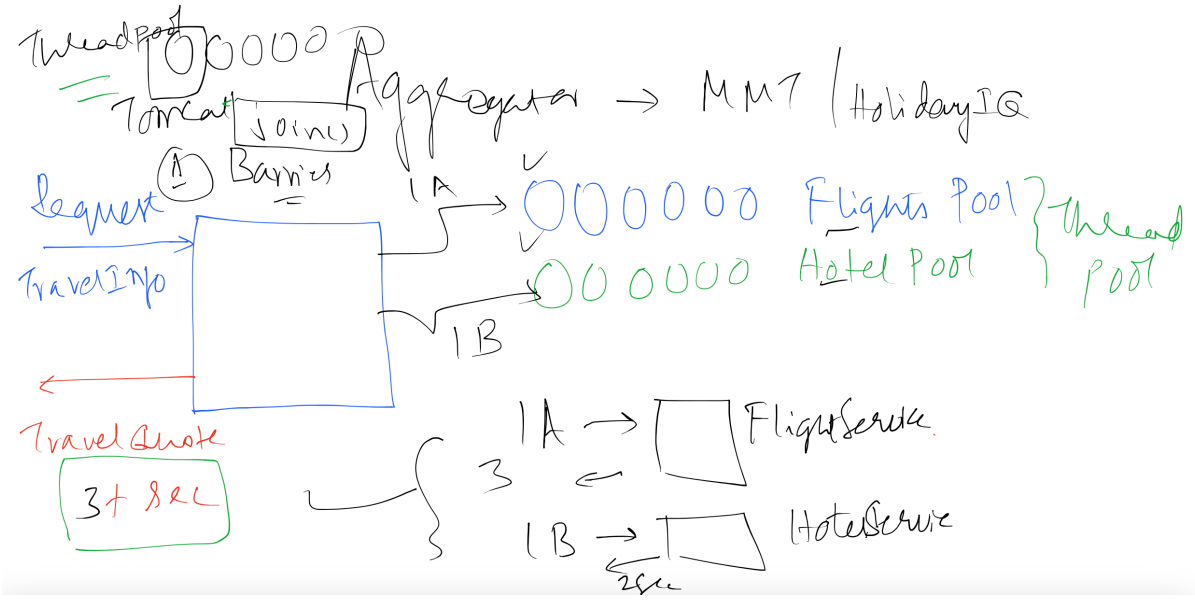
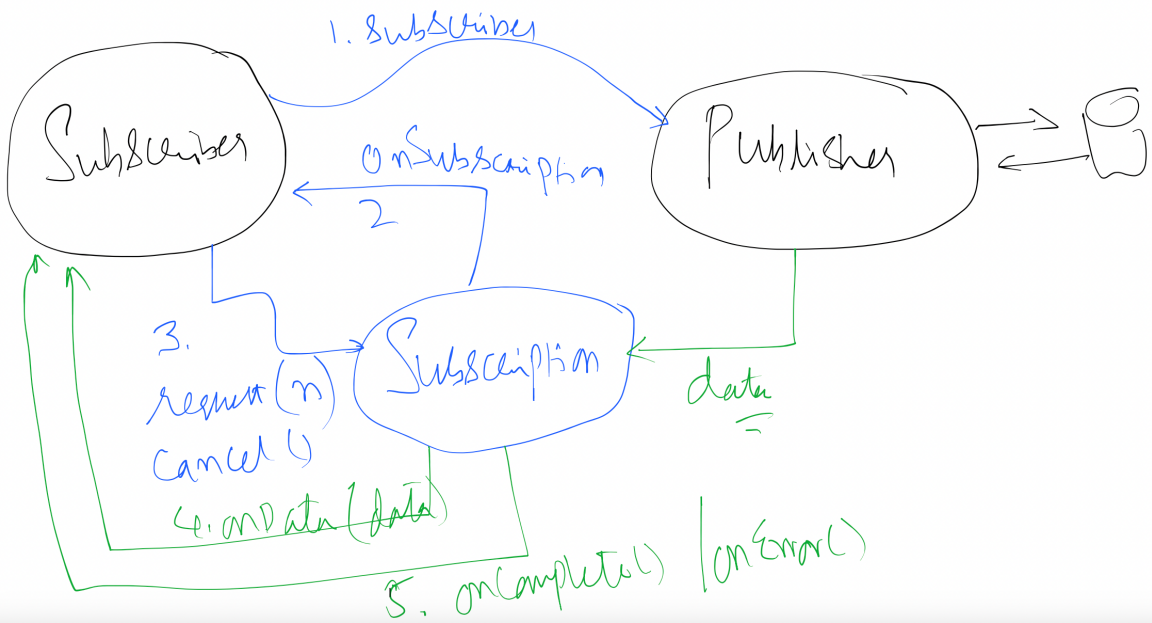
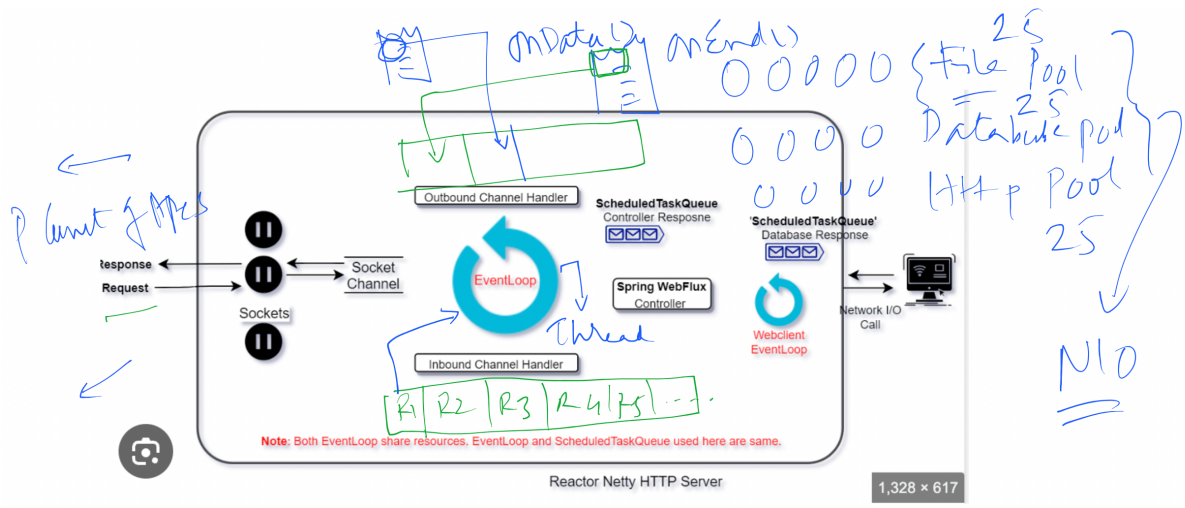

Threadpool
REQUEST
REQUEST
200 Concurrent hits
Pre Cmpt
Passivate
Servlet
Container
Tomcat
activate

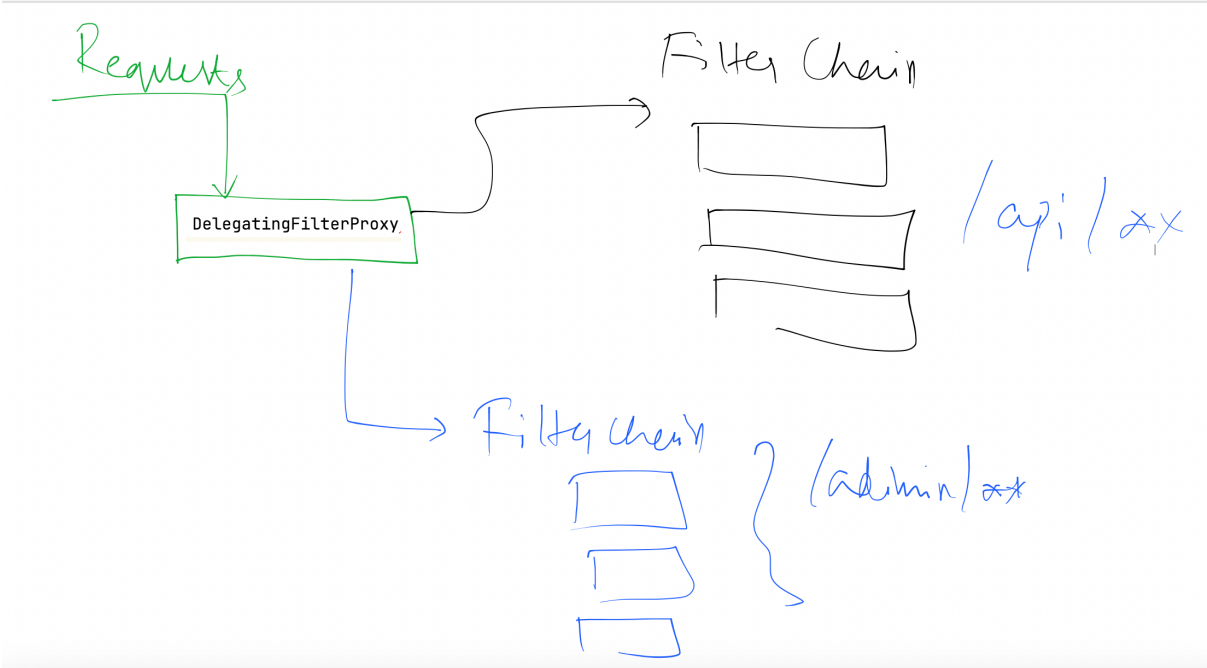

Threadpool
Tomcat
Aggregator → MMT / HolidayIQ
Travel Portal
Request
TravelInfo
A
HotelService
MS
Response 3 sec
B
3+ sec
FlightService
Response 2 sec
TravelQuote
5+ sec

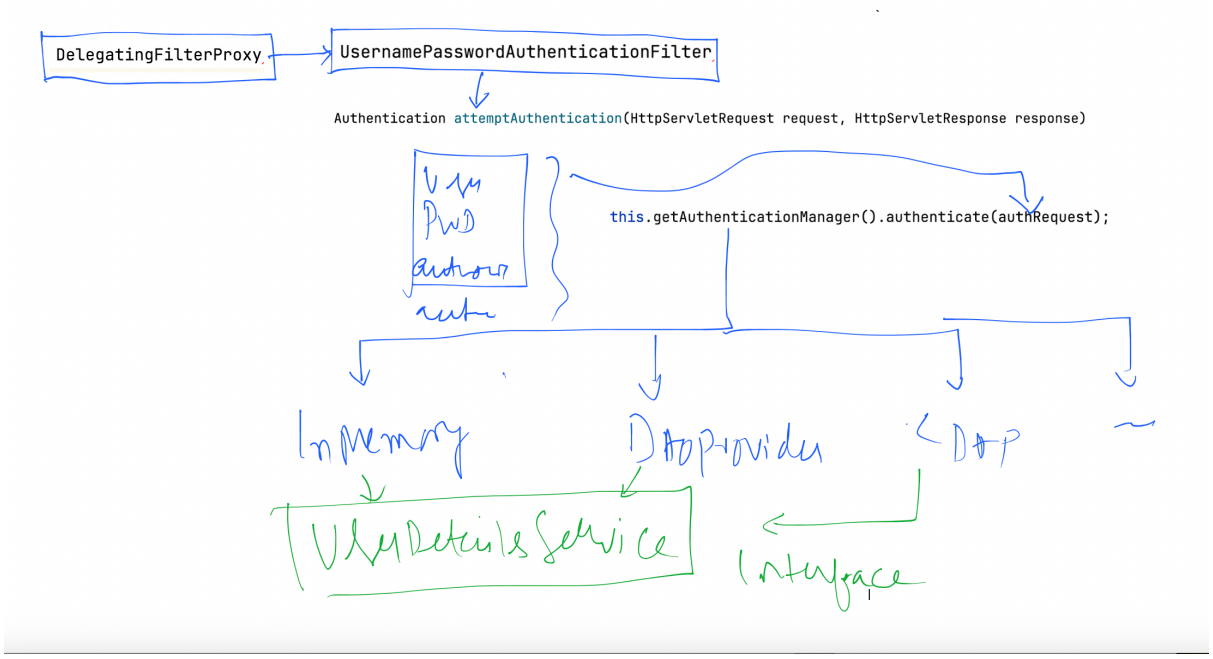

Threadpool
Tomcat
Joins
Aggregator → MMT / HolidayIQ
Barrier
request
TravelInfo
TravelQuote
3+ sec
1A
1B
Flights Pool
Hotel Pool
Thread pool
3
1A → FlightService
1B → HotelService
2sec

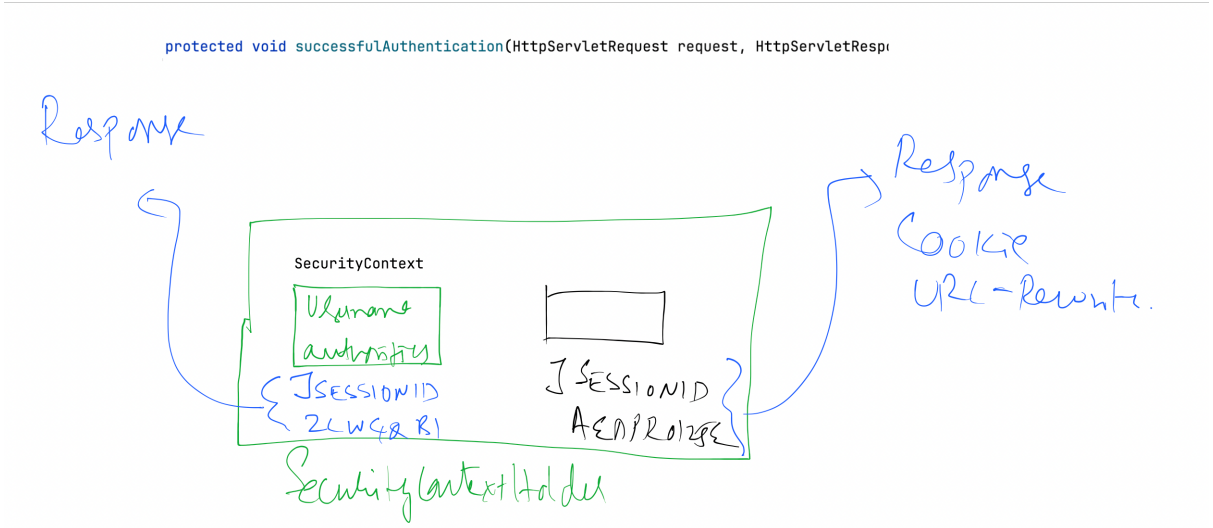

1. subscribe
Subscriber
Publisher
onSubscription
2
3.
request(n)
cancel()
Subscription
data
4. onData(data)
5. onComplete() / onError()


Outbound Channel Handler
ScheduledTaskQueue
Controller Resposne
'ScheduledTaskQueue'
Database Response
Socket Channel
EventLoop
Spring WebFlux
Controller
Webclient EventLoop
Network I/O Call
Sockets
Request
Inbound Channel Handler
Note: Both EventLoop share resources. EventLoop and ScheduledTaskQueue used here are same.
Reactor Netty HTTP Server
1,328 × 617
File Pool
Database pool
Http Pool
NIO

Security:


Requests
DelegatingFilterProxy
Filter Chain
/api/**
Filter Chain
/admin/**


DelegatingFilterProxy
UsernamePasswordAuthenticationFilter
Authentication attemptAuthentication(HttpServletRequest request, HttpServletResponse response)
this.getAuthenticationManager().authenticate(authRequest);
Inmemory
DAOProvider
LDAP
UserDetailsService
Interface


protected void successfulAuthentication(HttpServletRequest request, HttpServletResp
Response
SecurityContext
Username
authorities
JSESSIONID
ZLWC&R1
JSESSIONID
AEDIROIZGE
Response
Cookie
URL-Rewrite.
SecurityContextHolder