

# SIDION

Zuhören. Analysieren. Beraten.

**YAGNI**

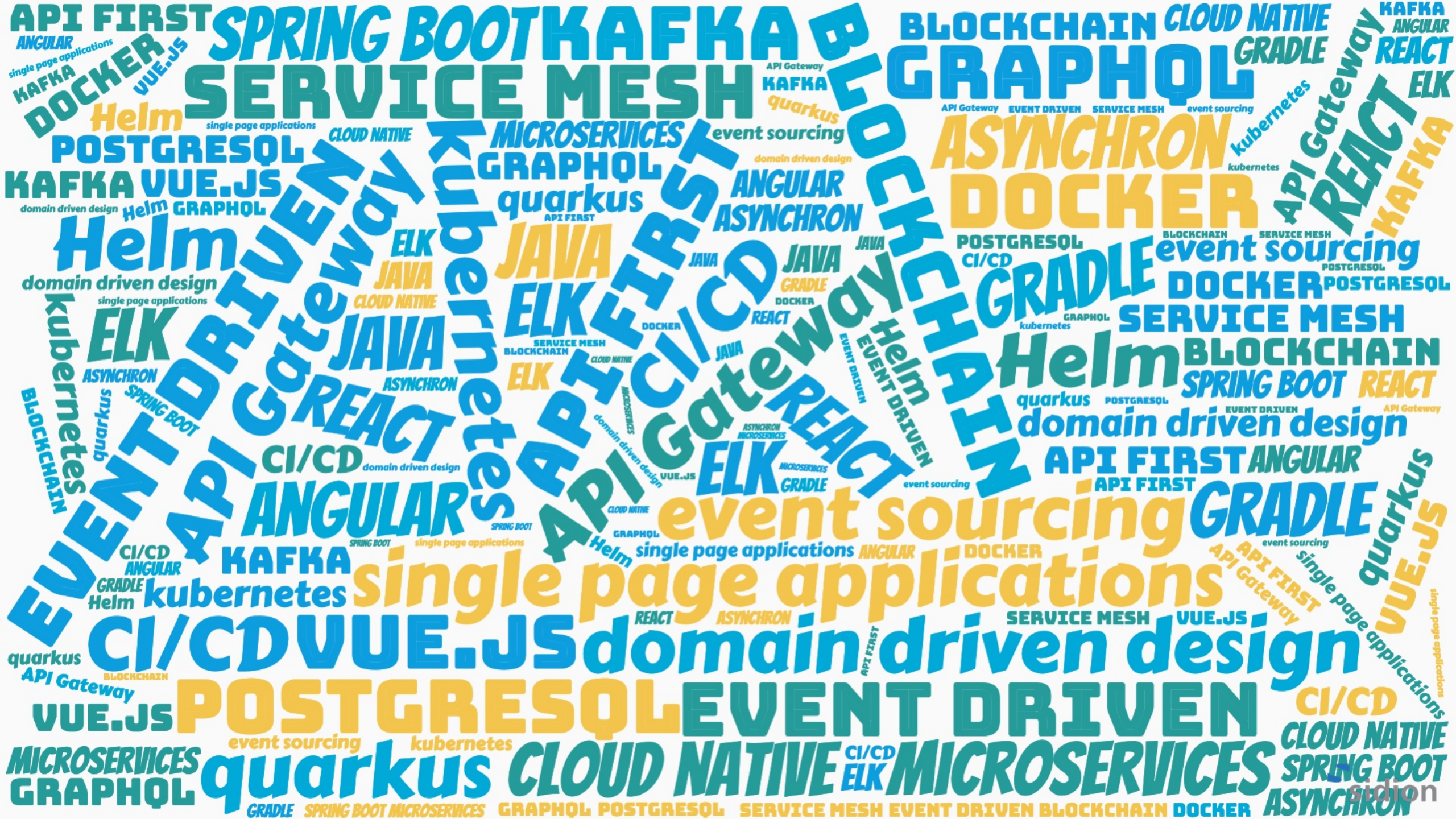
“ Always implement things when you  
actually need them, never when you  
just foresee that you [will] need them.”

Ron Jeffries

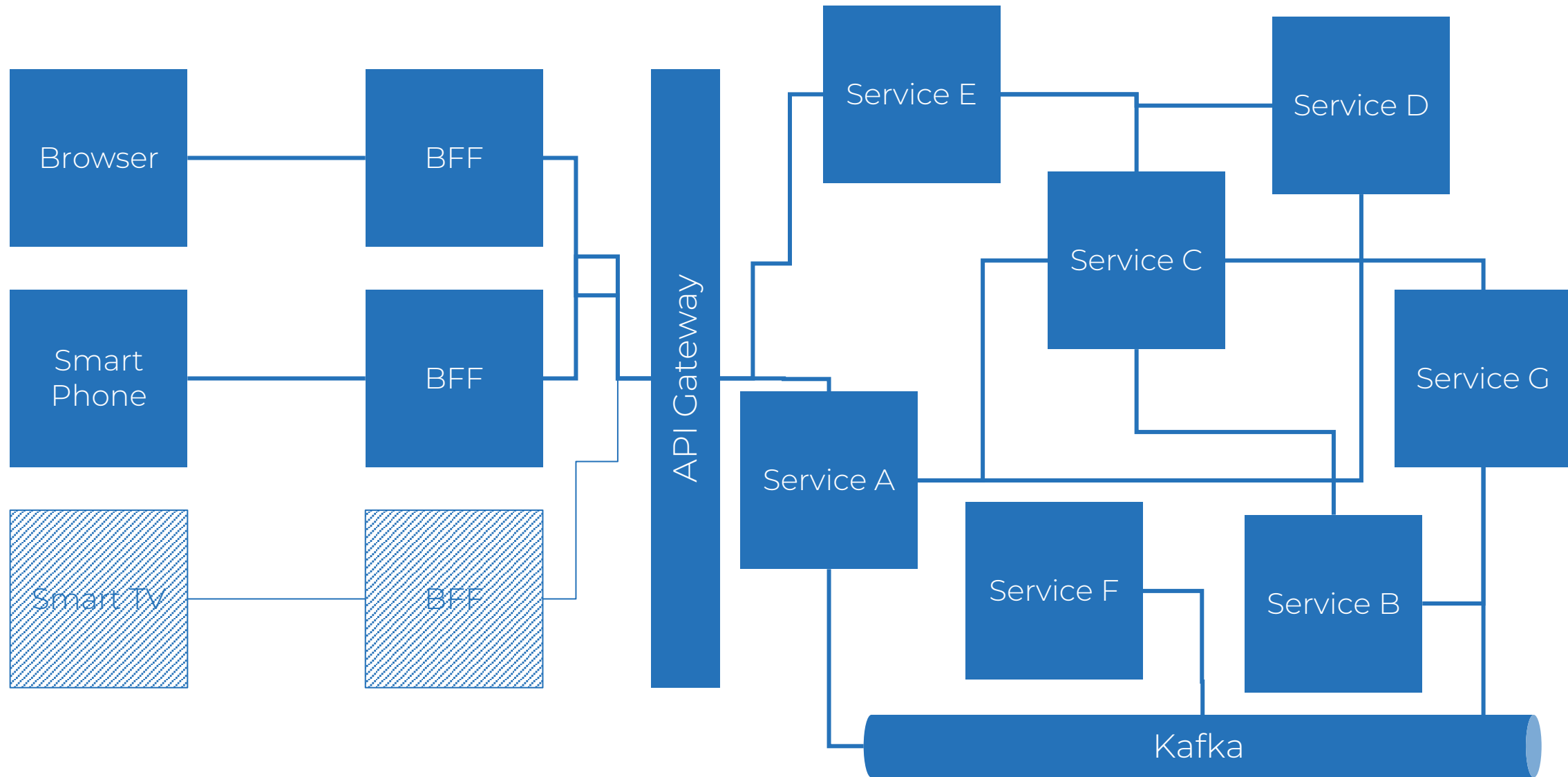






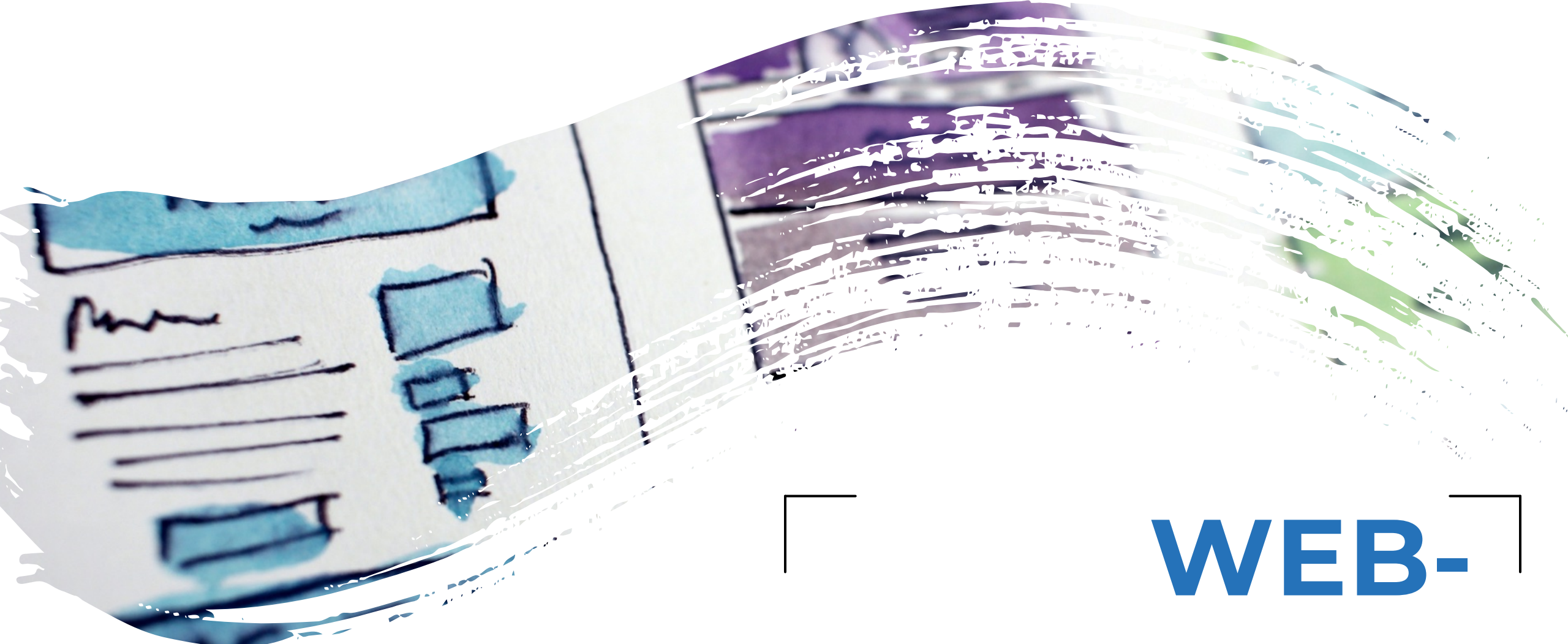






Kubernetes mit Service Mesh





# WEB- FRONTEND



~~NEXT~~.JS

**HOTWIRE**







- `npx create-next-app@latest`

```
1 | ___README.md
2 | ___styles
3 | | ___globals.css
4 | | ___Home.module.css
5 | ___public
6 | | ___favicon.ico
7 | | ___vercel.svg
8 | ___gitignore
9 | ___package.json
10 | ___pages
11 | ___index.js
```

- `npx next -h`
- `next build`
- `npx next start`



## 1. Schritt

```
1 <script type="module">
2   import hotwiredTurbo
3     from 'https://cdn.skypack.dev/@hotwired/turbo';
4 </script>
```

## 2. Schritt

```
1 <a href="/edit" data-turbo-action="replace">Edit</a>
```



# GATEWAY





```
1 spring:
2   cloud:
3     gateway:
4       routes:
5         - id: circuitbreaker_route
6           uri: lb://backing-service:8088
7           predicates:
8             - Path=/consumingServiceEndpoint
9           filters:
10            - name: CircuitBreaker                                {""))
11              args:
12                name: myCircuitBreaker
13                fallbackUri: forward:/inCaseOfFailureUseThis
14            - RewritePath=/consumingServiceEndpoint, /backingServiceEndpoint
15              .route("hystrix_fallback_route", f → f.host("*.hystrixfallback.org"))
16              .filters(f → f.hystrix(c → c.setName("slowcmd").setFallbackUri("forward:/hystrixfallback")))
17              .uri("http://httpbin.org"))
18            route("limit_route", r → r
19              .host("*.limited.org").and().path("/anything/**")
20              .filters(f → f.requestRateLimiter(c → c.setRateLimiter(redisRateLimiter()))))
21              .uri("http://httpbin.org"))
22            .build();
23
24   }
25 }
```

The yamI document from hell

<https://ruudvanasseldonk.com/2023/01/11/the-yamI-document-from-hell>

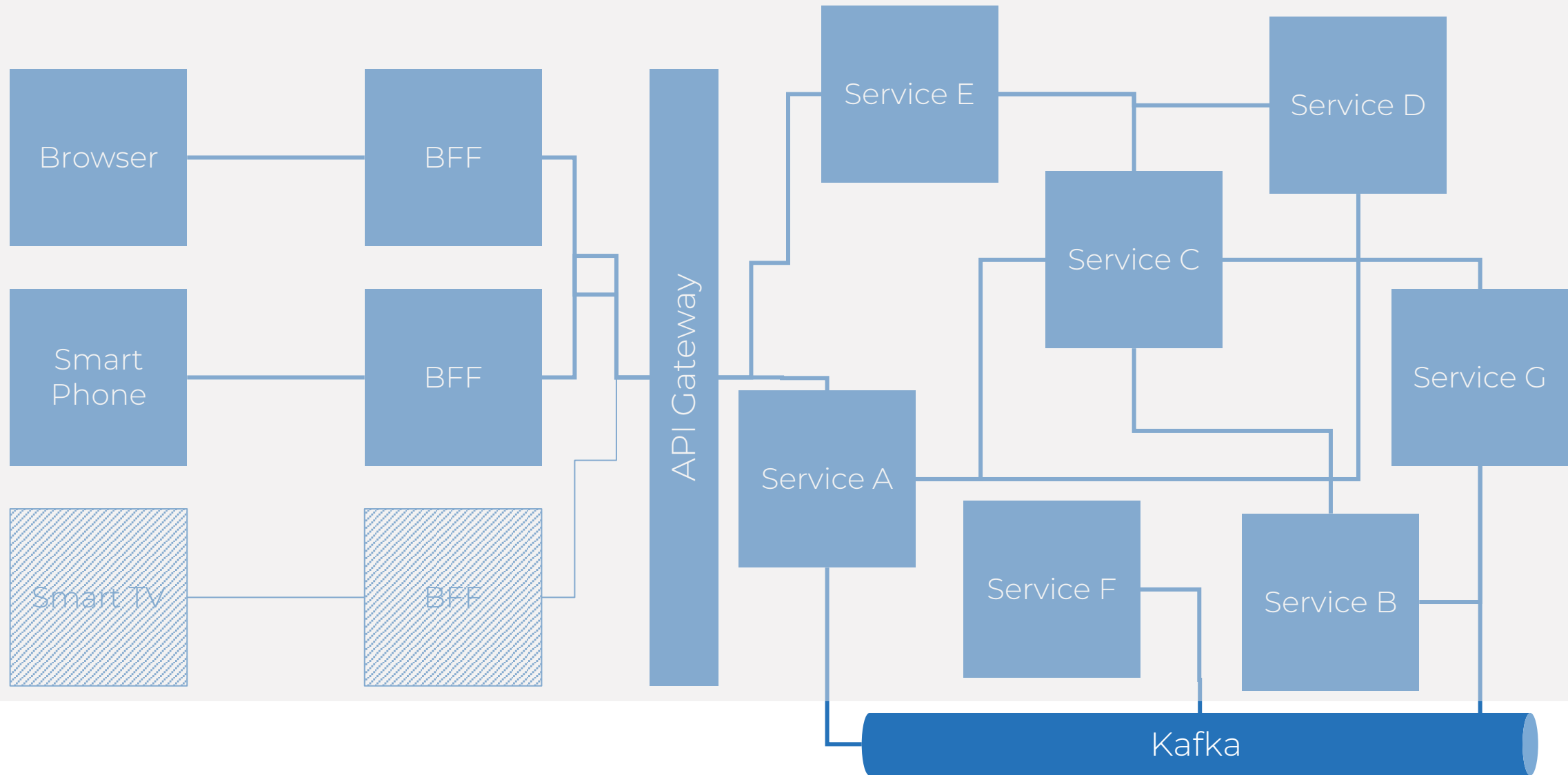


```
1 server_config:
2   port_mapping: {"port_mapping": [1342, "80:80", "443:443"]}
3   # Expose only ssh and http to the public internet.
4   - 22:22
5   - 80:80
6   - 443:443
7
8   serve: {"serve": ["/robots.txt", "/favicon.ico", ""]}
9   - /robots.txt
10  - /favicon.ico
11  - *.html
12  - *.png
13  - !.git # Do not expose our Git repository to the entire world.
14
15  geoblock_regions: {"geoblock_regions": ["dk", "fi", "is", false, "se"]}
16  # The legal team h
17  - dk
18  - fi
19  - is
20  - no
21  - se
```

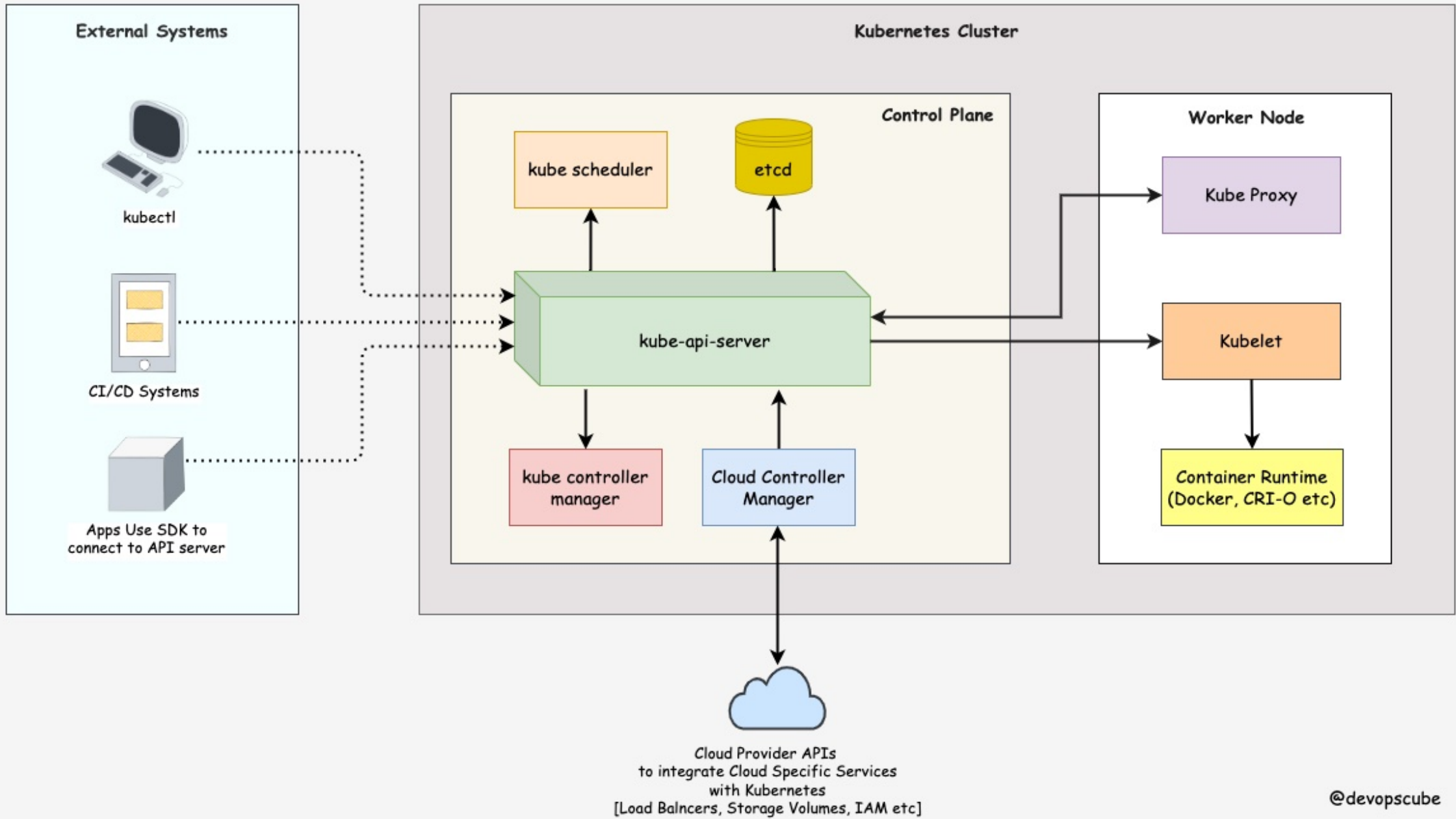




# RUNTIME UND MIDDLEWARE



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@devopscube



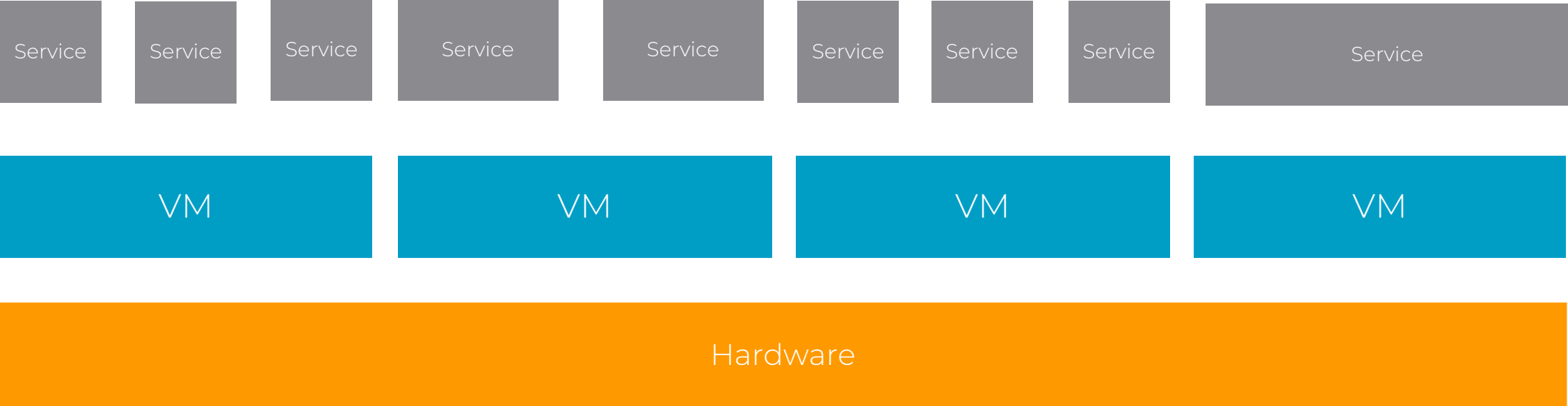
Service Service Service Service Service Service Service Service Service

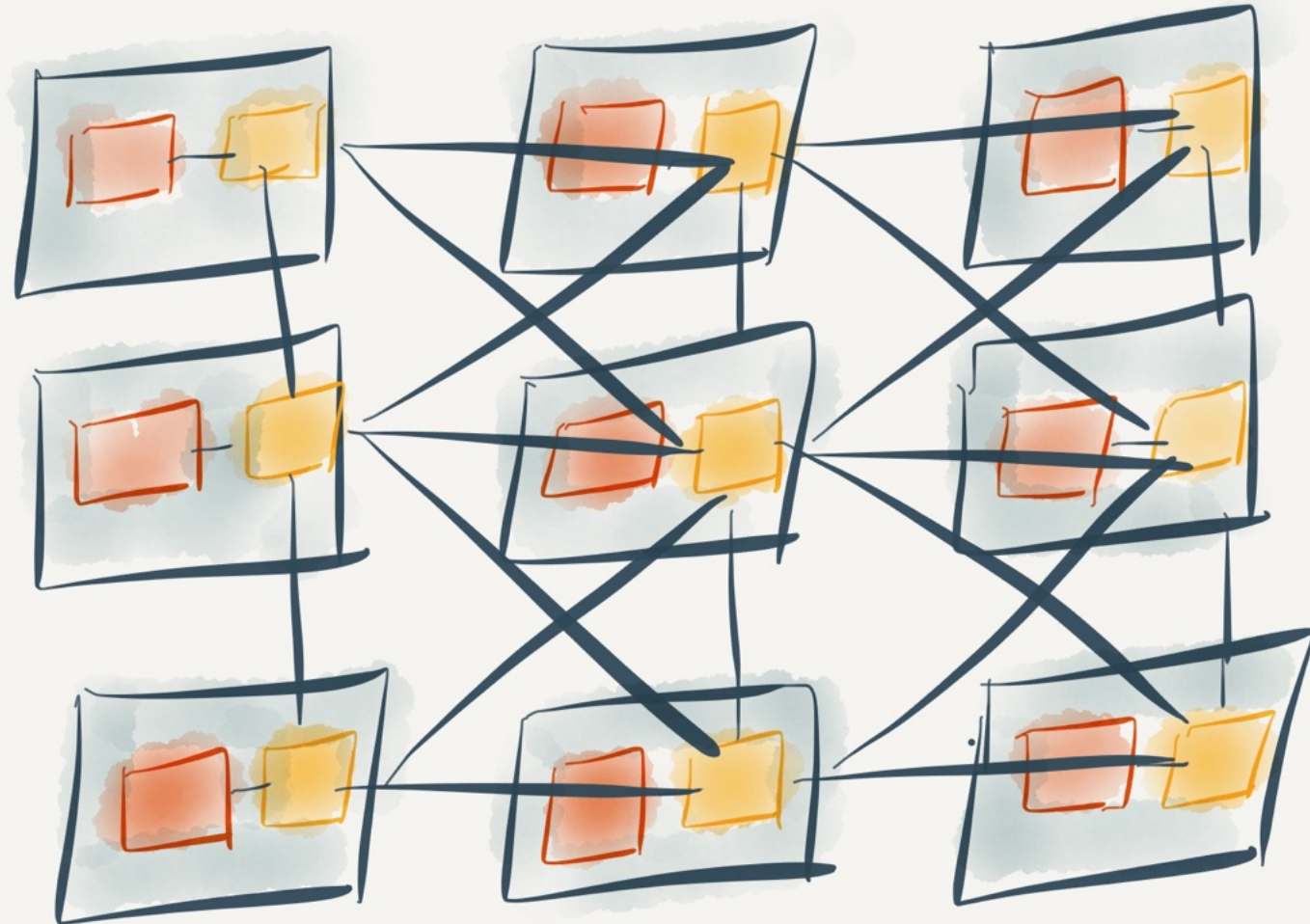
Pod Pod Pod Pod Pod Pod Pod Pod Pod

k8s Worker k8s Worker k8s Worker k8s Worker

VM VM VM VM

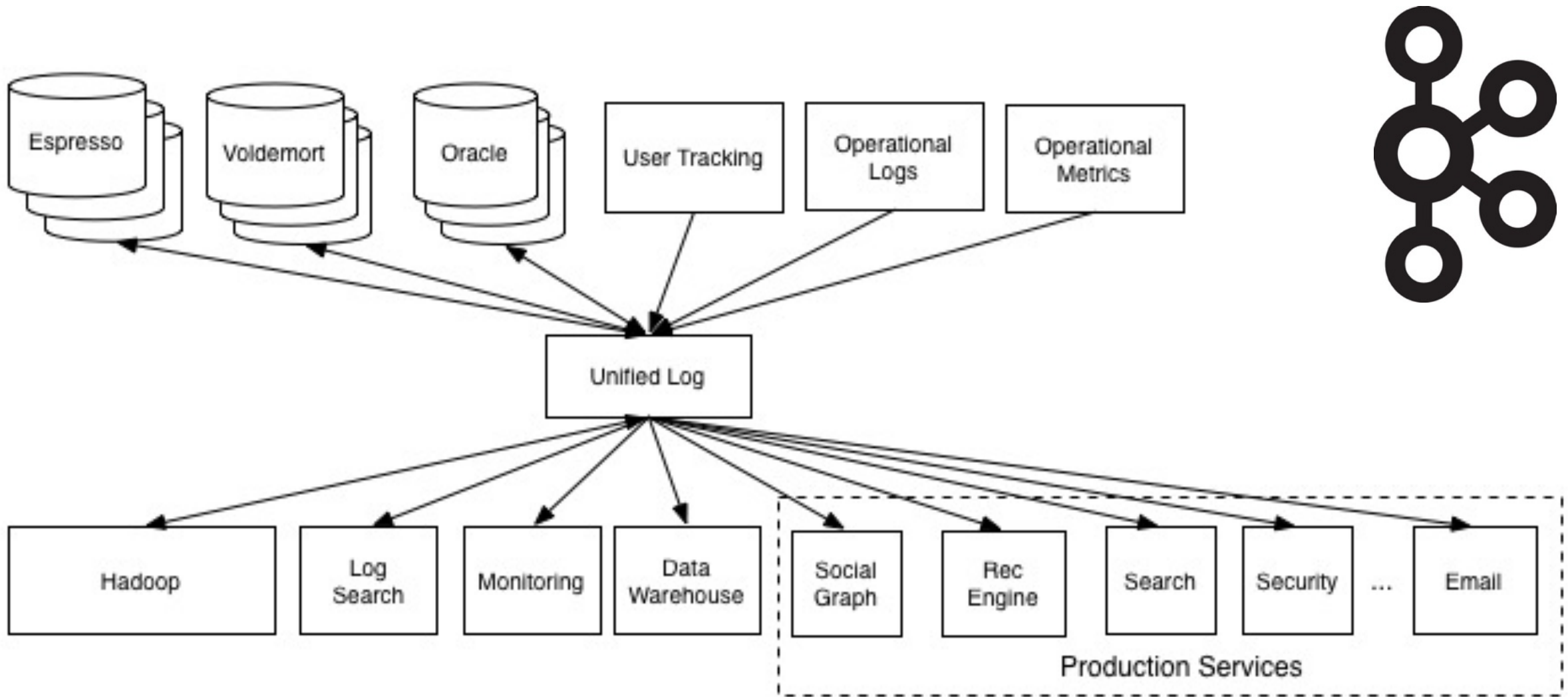
Hardware

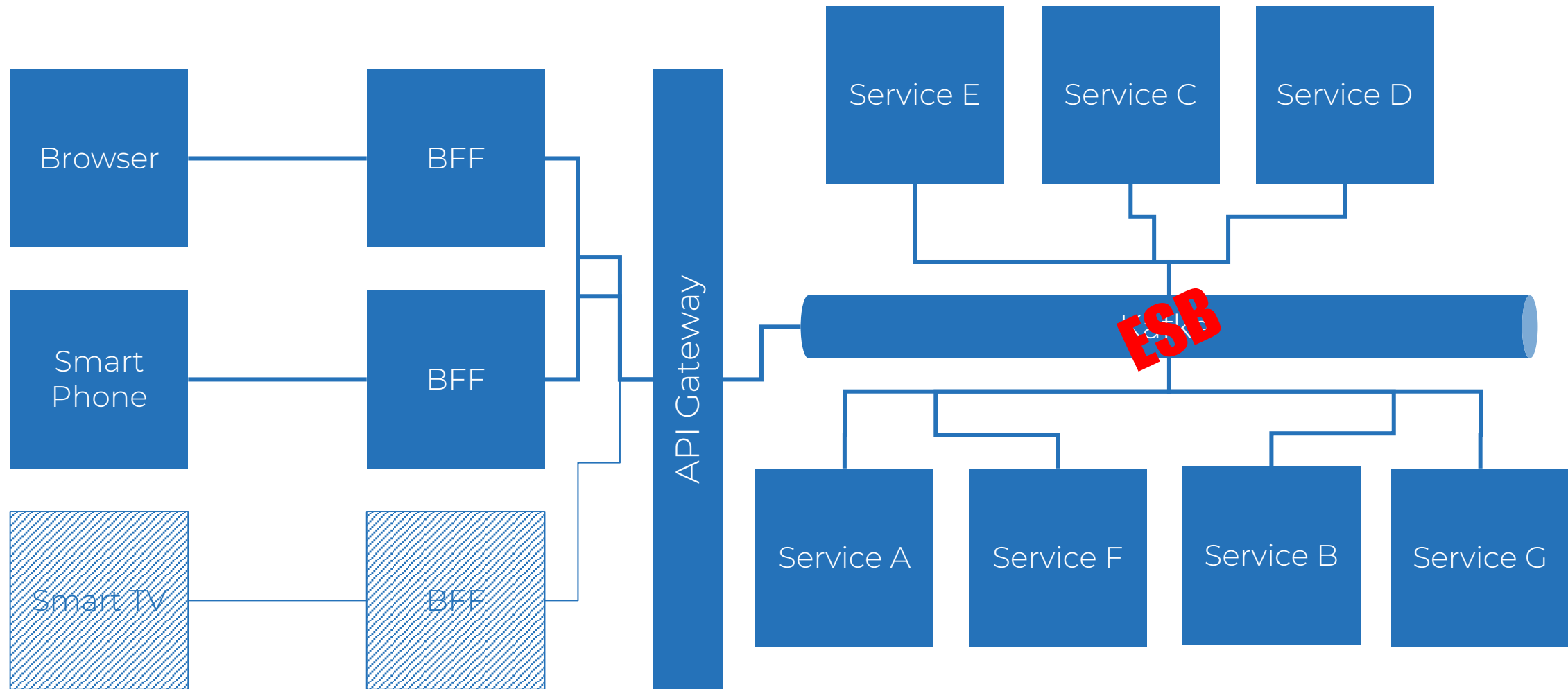




# Service Mesh





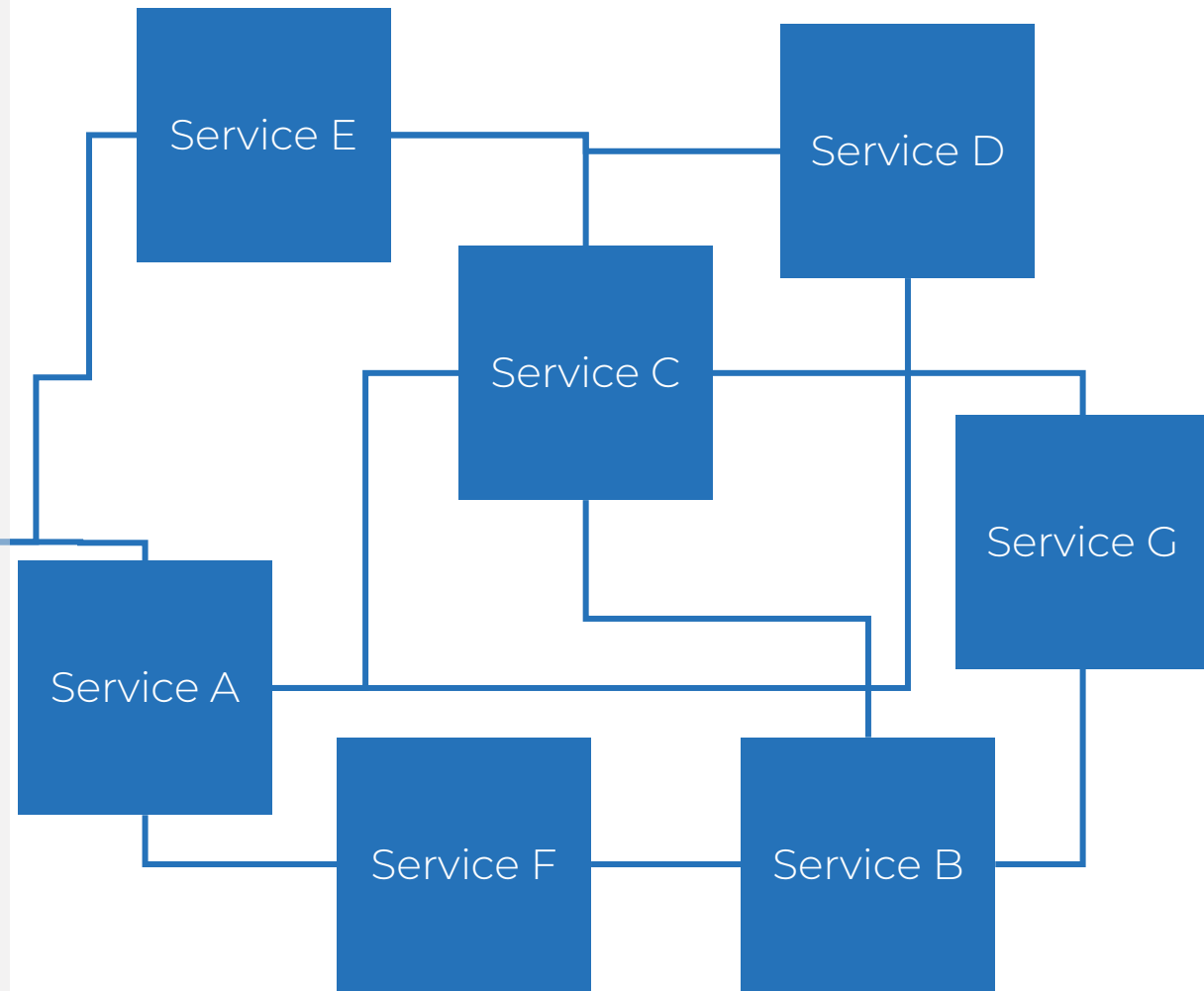
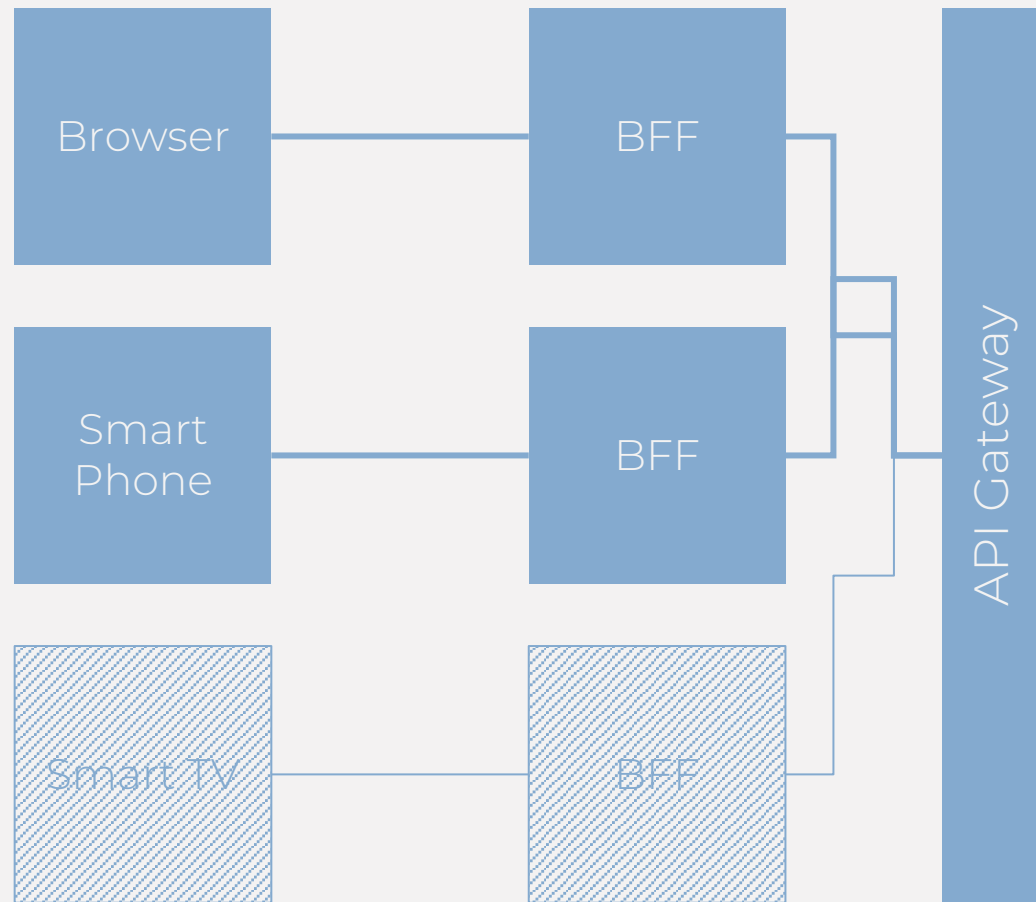


Kubernetes mit Service Mesh





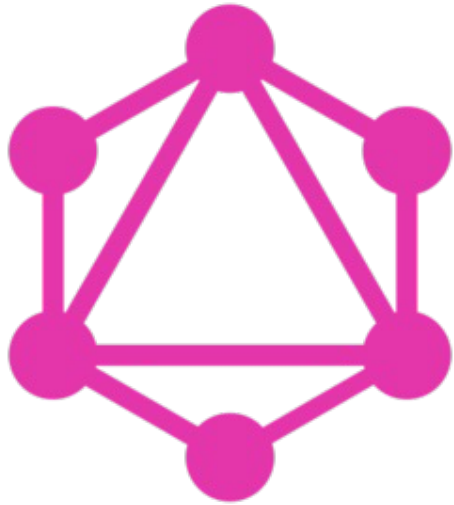
**SERVICES**



Kubernetes mit Service Mesh



**SOFA RPC**



Apache Thrift™





# Essential Complexity

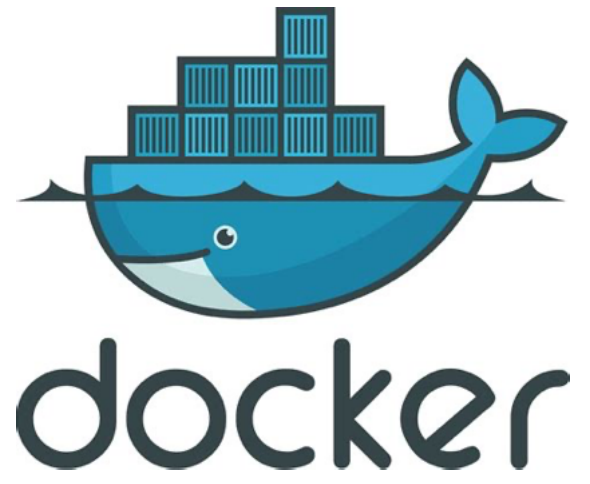
- Zwingend Erforderlich um Anforderungen zu erfüllen
- Kann nicht weiter reduziert werden
- Geschäftsregeln oder rechtliche Vorgaben
- Schafft Mehrwert

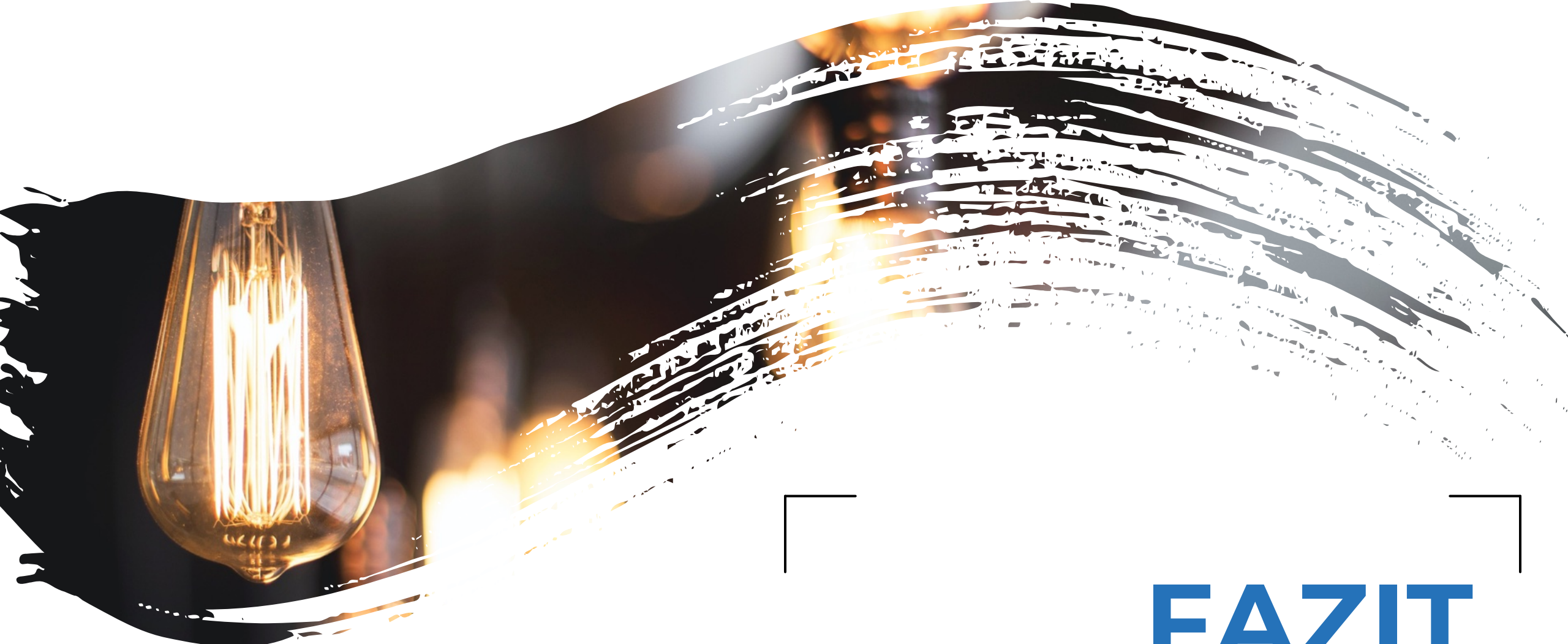
# Accidental Complexity

- Entsteht durch mangelndes Verständnis der Anforderungen
- Fehlerhafte oder schlechte Kommunikation zwischen Fachbereich und Entwicklung
- Ärgerlich kann aber durch Training und Lernen reduziert oder vermieden werden


# Incidental Complexity

- Selbstgemachtes Problem
- Fehlender Focus auf das nötigste
- Entsteht durch das Lösen "eingebildeter" Probleme





# FAZIT

A close-up shot of Indiana Jones, wearing his signature fedora and a dark jacket, looking intensely at the camera. He is holding a golden chalice, the Holy Grail, in front of him. The background is dark and out of focus, with some warm, glowing lights.

**Es gibt keinen  
heiligen Graal.**







Change

**FRAGEN?**