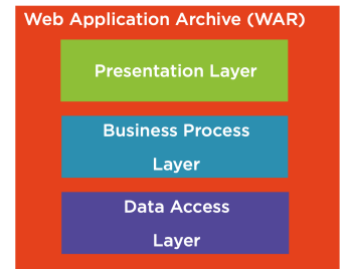


SpringBoot - Microservices – from Monolith to Microservices

Beschreibung

Wir werden nun hands on anlegen und eine Application von einer monolithic Arch. Zu einer MSA umschreiben.



2 Lektionen

Zeitbedarf:

Hilfsmittel:

Methode/Sozialform:

SpringBoot Monolith to MS



Lernziele:

- ✓ Monolithic Arch. Verstehen
- ✓ Microservice Arch. umschreiben
- ✓ Decompose

Legende:  Einzelarbeit,  Partnerarbeit,  Dokumentation,  Code,  Präsentation

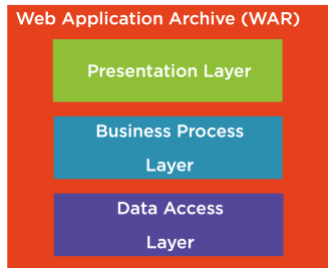
Links:

Inhaltsverzeichnis

1	ARCHITECTURES	2
1.1	N-TIER MONOLITHIC ARCH.	2
1.2	SERVICE ORIENTED ARCHITECTURE	2
1.3	MICROSERVICE ARCHITECTURE	3
1.4	MSA vs. SOA	3
1.5	TRACKZILLA MICROSERVICES ARCHITECTURE	4
1.6	BENEFITS OF MSA	4

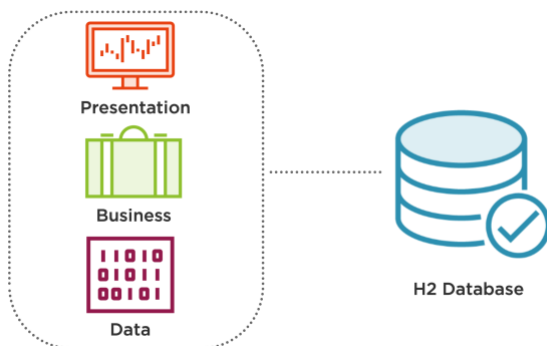
1 Architectures

1.1 N-Tier Monolithic Arch.

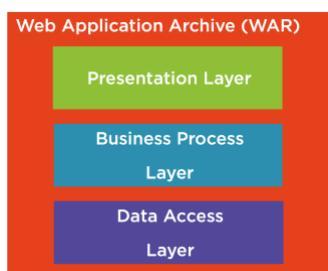


- Tight coupling
- Long testing, building and deployment
- Code reuse difficult
- Large scale releases

Monolithic Arch. Diagram



1.2 Service oriented Architecture



Layered Arch.

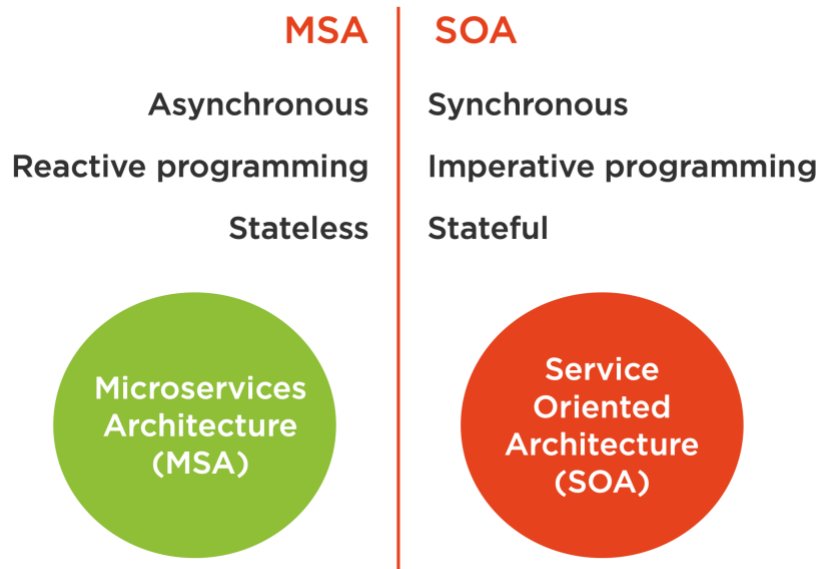
1.3 Microservice Architecture



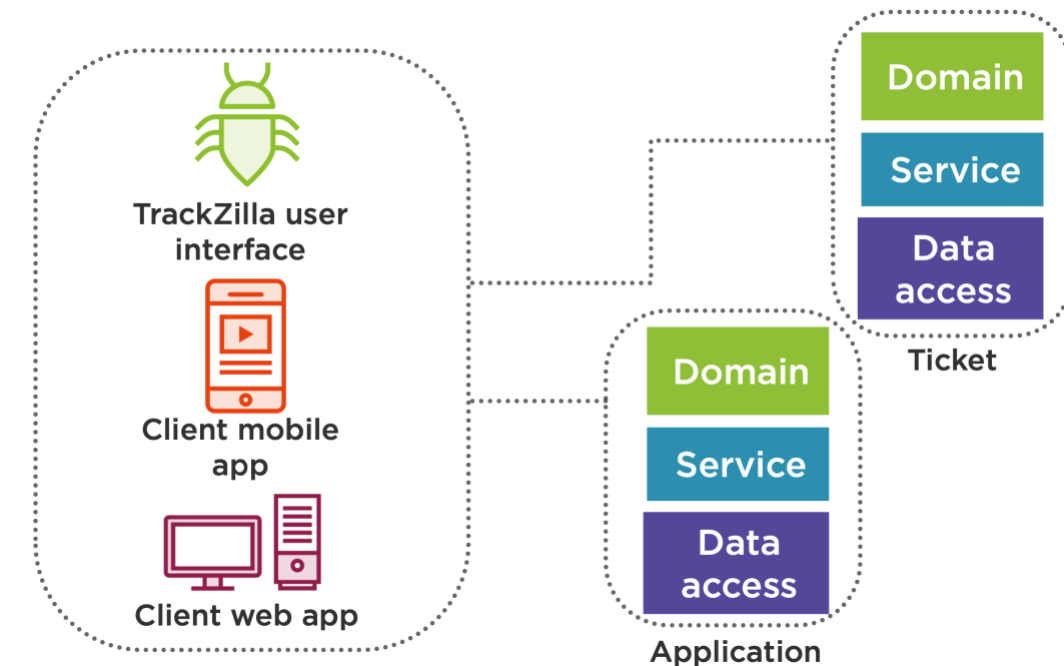
Decompose systems

- Discrete
- Individual
- Standalone
- Components

1.4 MSA vs. SOA



1.5 TrackZilla Microservices Architecture



1.6 Benefits of MSA

Communicate via RESTful endpoint

Easy to write, test, deploy, and share

Changes isolated to single service

Easy separation of responsibilities