

Monolith to Microservices

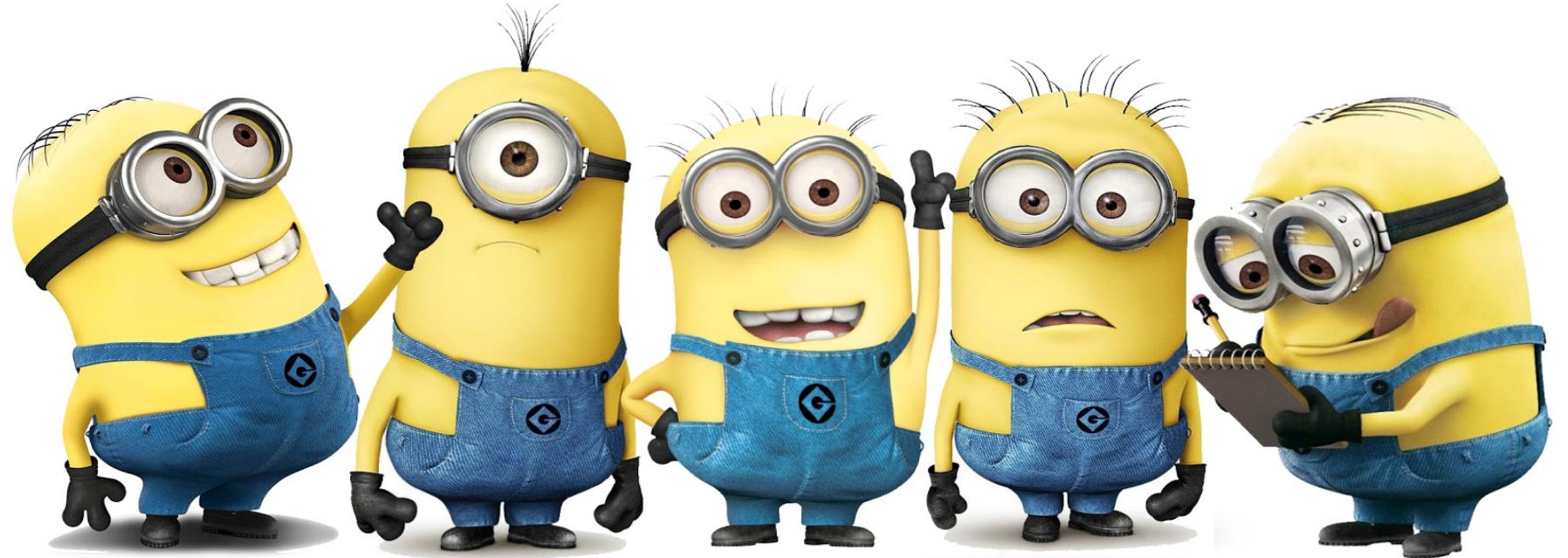
By Rahul Sharma

Monolith



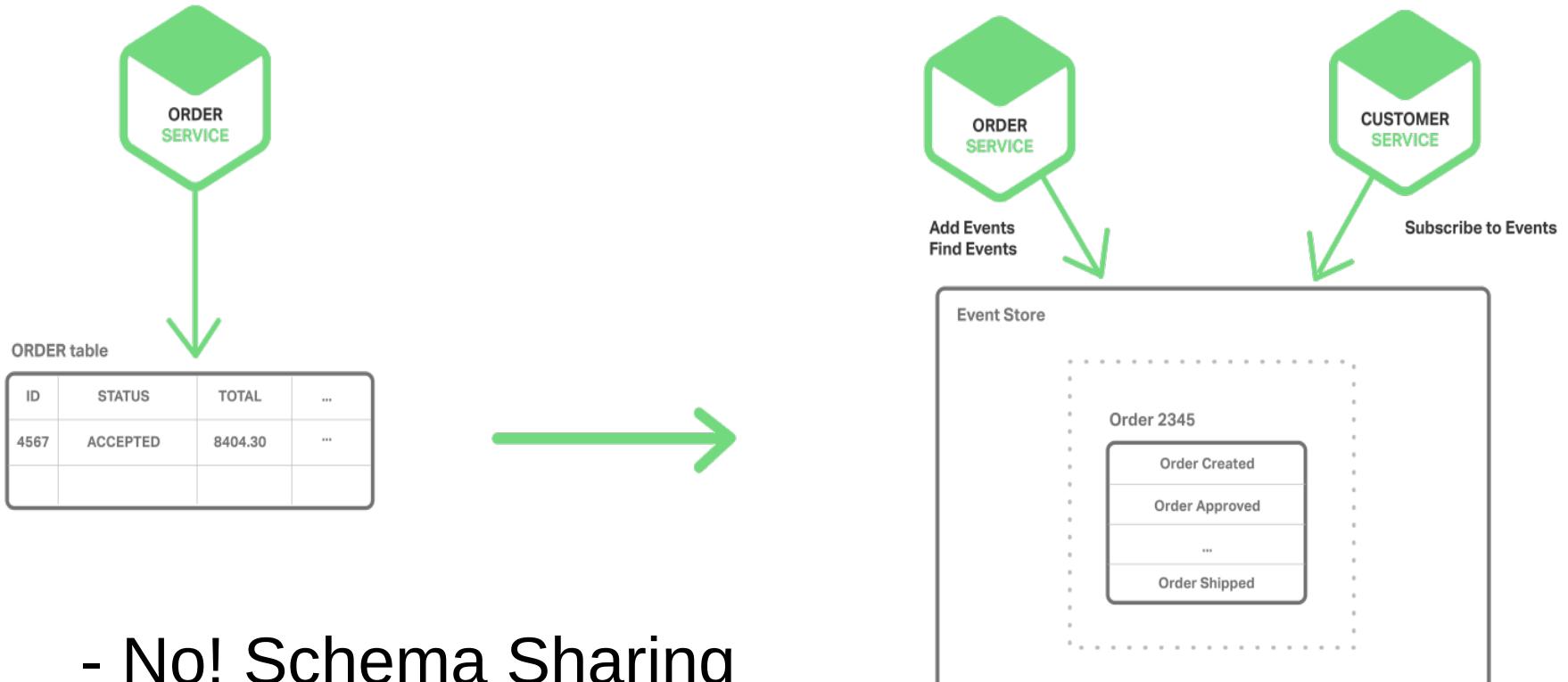
- Difficult to maintain
- Long built times
- Difficult to Scale
- All-or-Nothing

Microservices



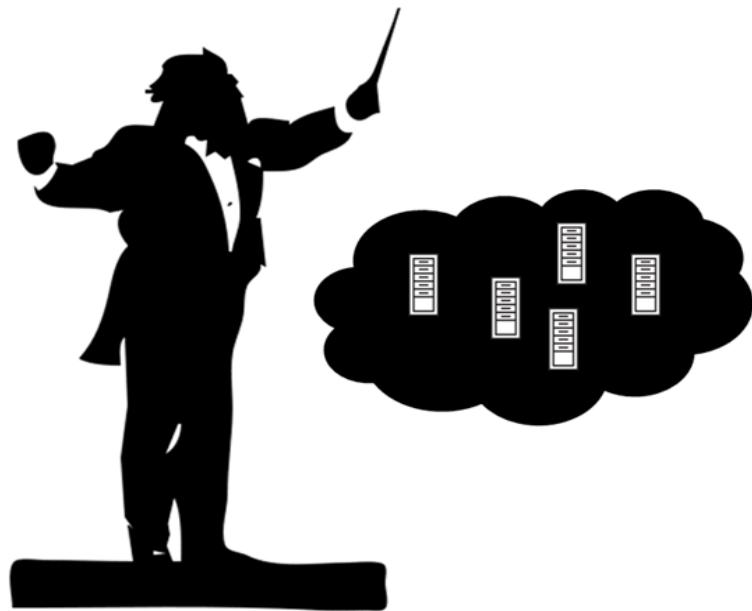
Loosely Coupled elements, Do one thing, and do it well

Application State



- No! Schema Sharing
- Eventual Consistency

Inter-Service Talk



Any organization that designs a system (defined broadly) will produce a design whose structure is a copy of the organization's communication structure.



- Melvin E. Conway, 1968

Service API



- Document API
- Versioned API
- Backward Compatible

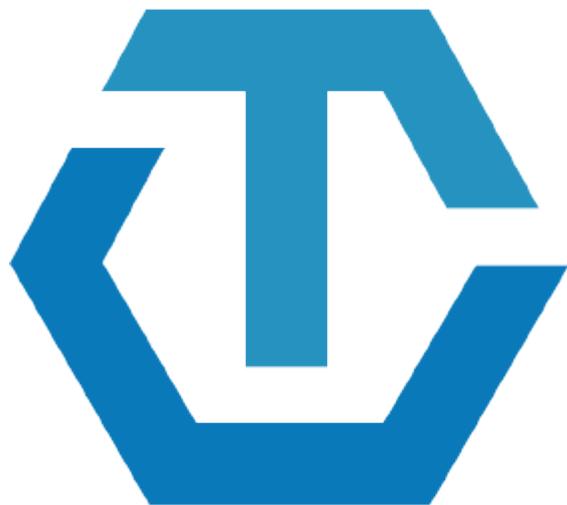
Health & Metrics



kibana

splunk®>

Distributed Monitoring & Tracing



Skywalking



Deployment



Demo