Consent as a Service

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Introduction



Engin Bozdag

Sr. Privacy Architect

Sr. Researcher

Member ISO/PC 317

PhD in Ethics of Technology (Algorithmic Bias in Personalization)











Sridhar Maddireddy

Sr. Software Engineer



Software Engineer





Why do you need a consent service?

Goal: Recording, displaying, analyzing consents by supporting multiple languages and jurisdictions

Standardization

- Base requirements
- UI and backend
- Auditing and analyzing
- Consent fatigue

Regulatory Landscape

- New laws
- Different requirements

Non-functional Requirements

- Scalability
- Security
- Availability

Consent - Legal Requirements



No bundling



Clear affirmative action



Specific, informed, unambiguous



Granular



Easy to withdraw



Demonstrable



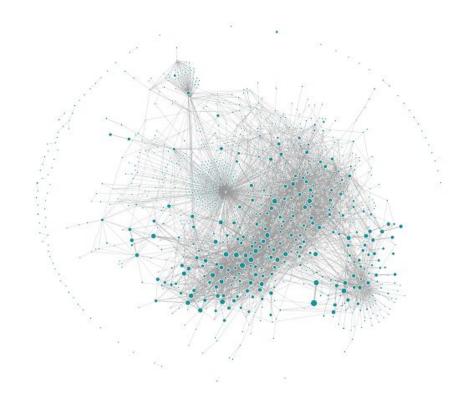
Minor consent



Refreshed

Uber Architecture and Some Numbers

- Complexity
 - 4000+ Microservices
 - o 50+ Apps
 - o 101 Million users
 - o 71 countries
- Micro Service Architecture
 - Reliable
 - Ownership
 - Developer Velocity
- API calls



Functionalities (1/2)



API Suite



record



Seamless Onboarding



Functionalities (2/2)



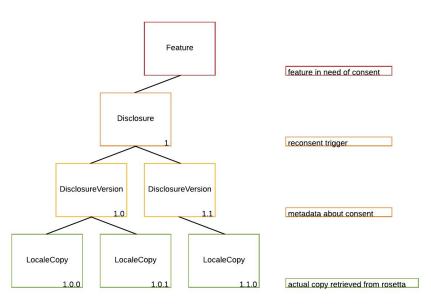


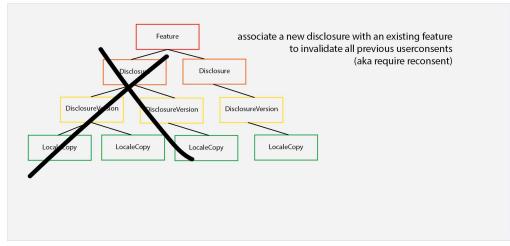
Translation of the text



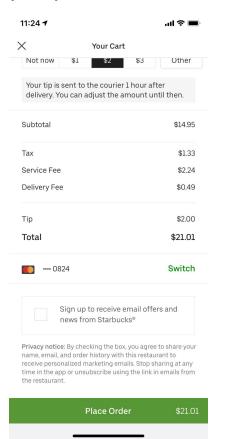


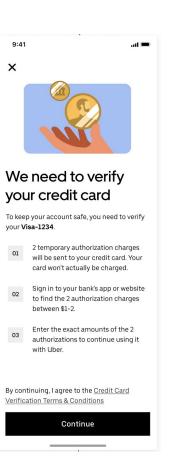
Re-Consent (Consent Refresh)



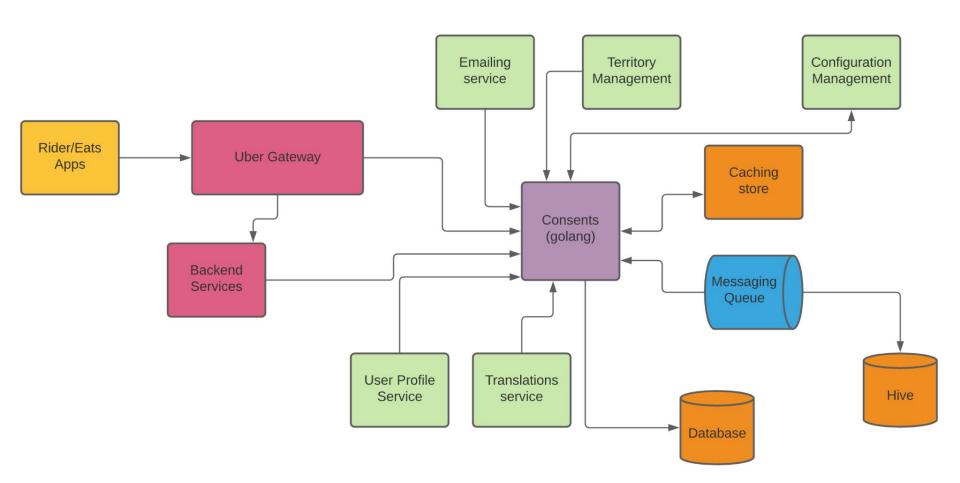


Examples (UI)





Consents platform



Metrics and Capabilities

99.99%

2200

35

Availability Requests per second

Latency (ms)

2.20

Error rate per second

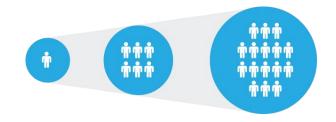
SLA

- Tier of service (e.g. Tier 1) and SLA's. Examples:
 - Max latency (e.g. 400ms)
 - Min availability (e.g. 99.99%)

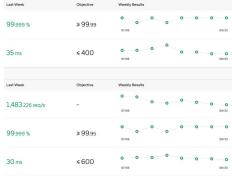
After you Implement



Measure and improve adoption

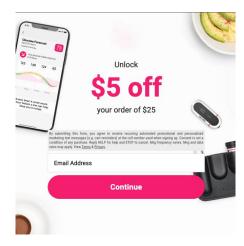


Anticipate the future load





Self-serve onboarding and health check status



Think about security

Ongoing Work









Audit Services for Consent Action