

Emerging Standards in User Consent

Resolving Privacy Challenges Through Innovation

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Top three organizational challenges

1

Complying with privacy laws and regulations

2

Complex and fragmented consent experiences that plant consumer doubt about your trustworthiness

3

Can't enable consumer-controlled data sharing across cloud, mobile, and IoT sources

To build lasting trusted digital relationships, stakeholders need to meet in the middle

Risk perspective

“Consent should not be regarded as freely given if the data subject has no **genuine or free choice** or is unable to **refuse or withdraw consent without detriment**. ...

In order to ensure that consent is freely given, consent should not provide a valid legal ground for the processing of personal data in a specific case where there is a **clear imbalance** between the data subject and the controller...”

Business perspective

We value personal data as an asset
Our **customers'** wishes have value
Our customers have their **own reasons** to share, not share, and mash up data, which we can address as value-add

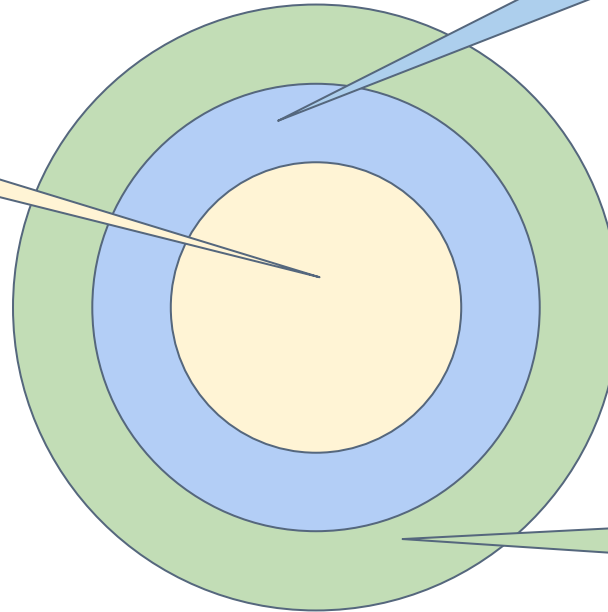
The EU General Data Protection Regulation: it's different this time

- GDPR applies to every organization selling to or monitoring anyone in the EU
- GDPR has a firm deadline (May '18), high penalties (4% of global turnover), and high aspirations
- Digital teams need to take the GDPR challenge in hand to ensure a triumph vs. a tragedy
- Providing customers with data sharing controls goes beyond compliance to **bilateral digital trust** and the ultimate service stickiness
- PSD2 asks for explicit user consent too - the tide is turning

The holistic view

Single view of the consumer

- Lifecycle management of a user profile and their data sharing preferences
- Secure storage of profile data
- Anonymised syncing of profile data and connector based integration to third-party systems



Giving the consumer a single view of their consents

- ToS and privacy policy capture at registration and authentication time
- Social sign-in
- Social registration
- Social consent management

Giving the consumer control over their consents

- Interoperable, user-driven, proactive and reactive sharing flows

What's the latest on User Managed Access (UMA)?

Key benefits to users

- Sharing, unsharing, and editing of sharing preferences allowed at any time, **without external influence**
 - Not just opt-in or opt-out when asked
 - A selective sharing paradigm for an **IoT landscape** that demands it
- Possible to offer a service that **centralizes sharing preference management** across data services for user convenience
 - The central service **doesn't see any of the data**
 - Data is fed fresh from each individual service
- The user can **selectively share** whatever “grain” of access each data service offers
 - Such as read vs. write, or weight vs. fat mass

Key benefits to service operators

- A permission model that **scales for user growth**
- Enables living up to a promise of **transparency and building trusted digital relationships**
- Enables addressing new **regulations** that demand freer choice in consent



User Managed Access 2.0

- Evolving UMA - feature parity but easier to use
- Closer to OAuth, OpenID Connect, and other familiar technologies
 - OAuth server deployers should find it easier to adopt: it's mainly an extension OAuth grant
 - Developers should find it easier to work with: it's mainly OAuth
- Readier for IoT, scale, and disconnected-service use cases
 - And it is extensible where needs are yet unknown
- Readier for wide ecosystems
 - Bob doesn't need to provide any claims (e.g., "log in") to Alice's authorization server until just before he tries to access her protected resource

UMA 2.0 Timeline

Dec 2015: UMA V1.0.1 Recommendations published

Q1 2016: 2.0 roadmap themes discussed and decided

Early Q2 2016: Major decision-making begun

May 2016: Spec editing begun

Jan 2017: Completed editing of key design issues

Mar 2017: Completed editing of follow-on issues

Apr 2017: Completed spec refactoring

Thank you!



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