

**SIGNATU**

## **DOCUMENTING CONSENT**

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# ABOUT ME



**TORGEIR HOVDEN**

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MSc CS, MTM/MBA

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# GDPR AND CONSENT

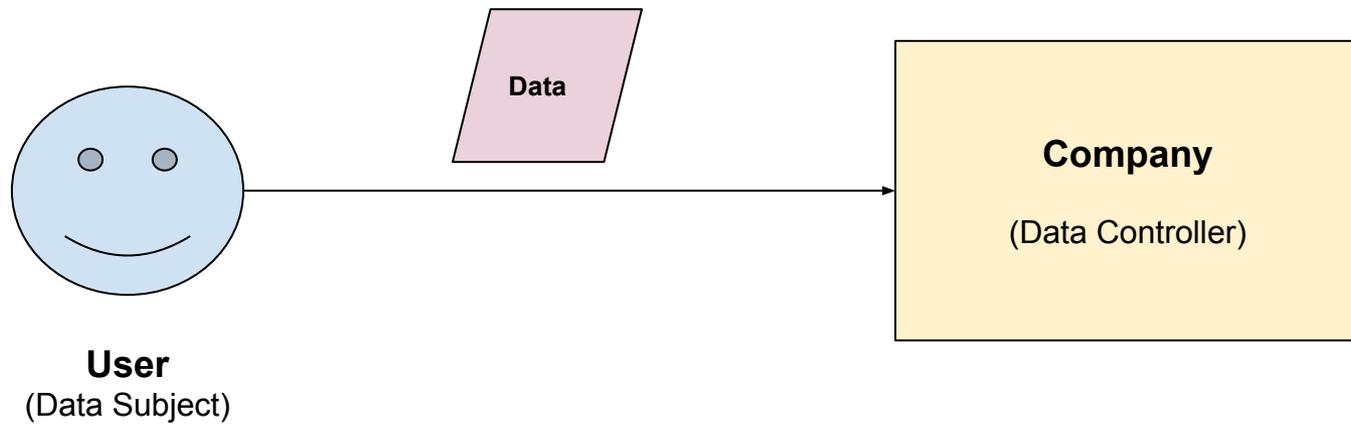


- Data Controller must be able to **demonstrate** that the data subject consents to the processing operation, according to the **GDPR Article 7.1** and the **Recital 42**.
- The exercise of the **data subject rights** or **enforcement of the privacy policy** may depend on the ability produce evidence of consent
- **Documentation** of consent is needed for audit by DPA, certification bodies, authorities.

# SCENARIO



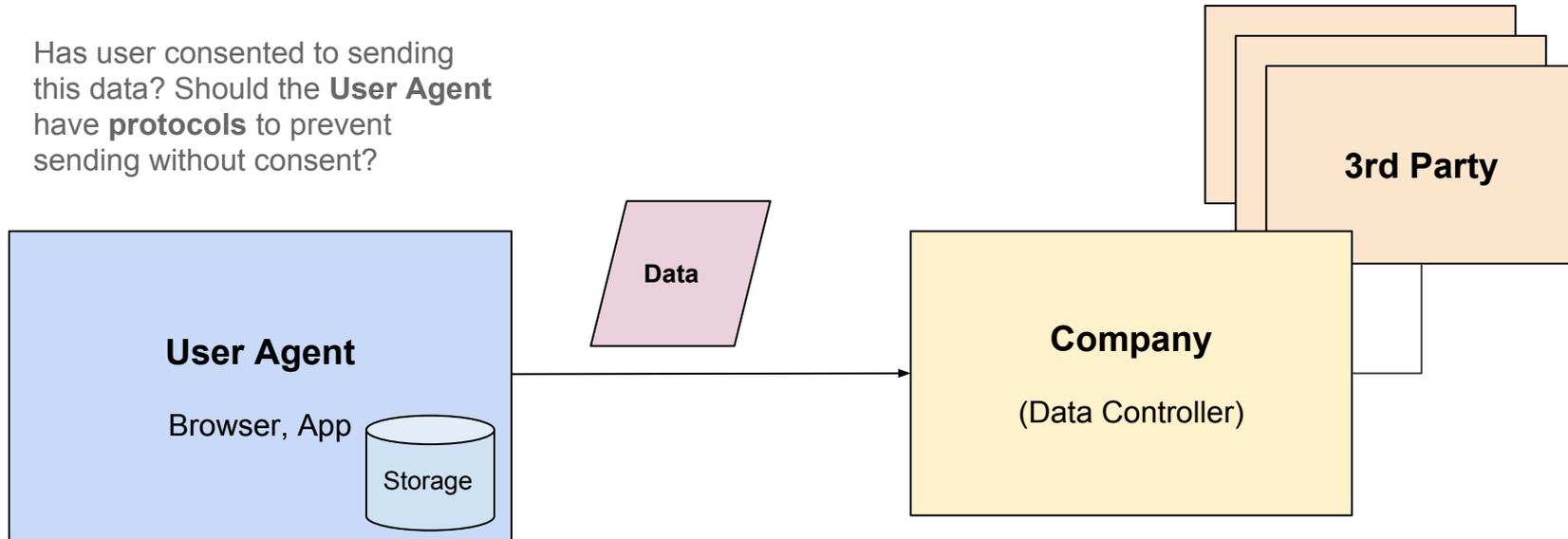
Has user consented to  
sending this data?



# SCENARIO: MORE DETAIL

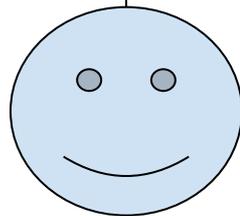


Has user consented to sending this data? Should the **User Agent** have **protocols** to prevent sending without consent?



How can I know Company is who they say they are?

What are they asking me to consent to?



**User**  
(Data Subject)

Who is the **user** for which Company collect a Consent (and data)?

Is request **authenticated**?

Do Company need to identify the person (**data subject**)?

Can Company use a **cookie** as a proxy for the user for consent?

# DOCUMENTING CONSENT



**Who is the user?**



**Who is the data controller?**



**What is consented to and when?**

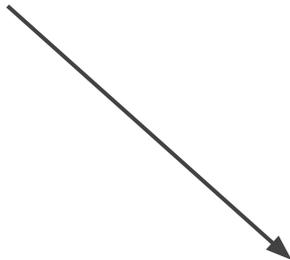
We process your personal data in a situation that concerns <sup>8.4</sup>

◦ a professional activity or that concerns a commercial activity. <sup>8.4.1</sup>

◦ the offering of goods or services. <sup>8.4.2</sup>

◦ an online activity. <sup>8.4.3</sup>

◦ a contract or that concerns an entry into a contract. <sup>8.4.4</sup>



Tamper-proof storage of consent

# WHO



## Who is the **user**?

The **Data Subject** whose data is being processed.

We call this the **subject principal** claim, represented by a string or URI.

## Who is the **company**?

The **Data Controller**, the entity who determines the purpose of the data processing.

We call this the **issuer principal** claim, represented by a string or URI.

# WHO: COMPANY



 **ACME FASHION**

Country code: GB. Registered in signatu 14 days ago.

DETAILS  
^

 271321	 ACME Fashion is a <b>Data Controller</b>
 demo+acmefashion@signatu.com	 ACME Fashion is a <b>Data Processor</b>
 + 45 987987	 <b>Data Protection Officer (DPO):</b>
 45 Bond Street London	Torgeir Hovden (torgeir@signatu.com)

How to properly verify the **Issuer Claim** - i.e., who is the **Data Controller** and thus legally responsible?

# WHO: USER



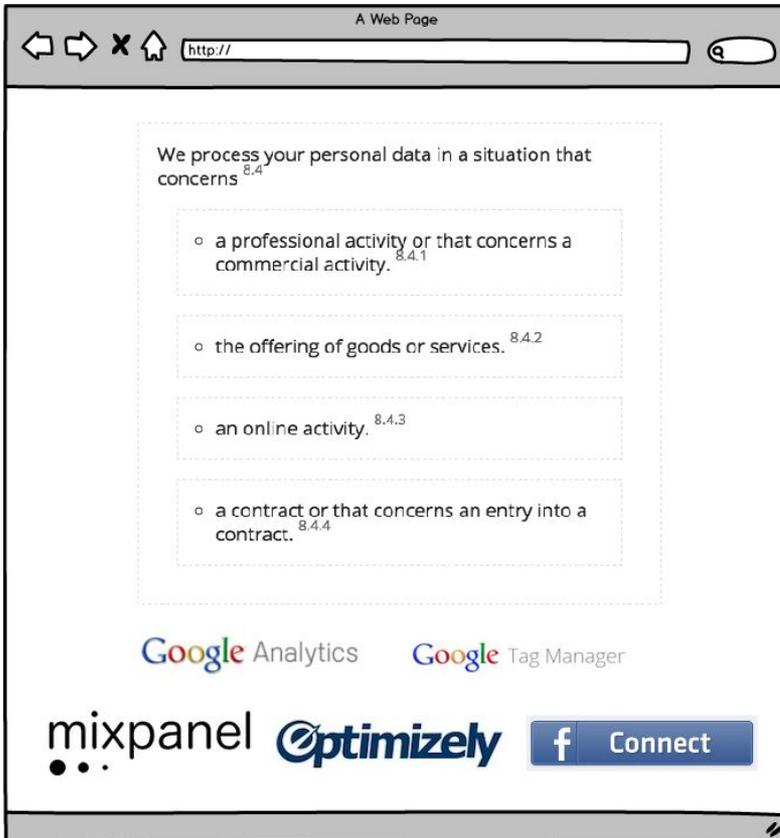
## Examples of User Identity Claims

User Identity Claim	Type	Claim Authenticated	Identity Verified
UIQT124RFGY	Cookie	Yes	No
Torgeir Hovden	Name / address	No	No
torgeir@signatu.com	E-mail identity	No	No
torgeir@signatu.com	E-mail identity	Yes	No
torgeir@gmail.com	E-mail identity	Yes, Google Login	Maybe
25127112345	Personal ID Number	Yes, BankID	Yes

# WHAT: SCOPE OF CONSENT



granularity



Privacy Policy

## WHY WE PROCESS DATA <sup>1</sup>

We collect e-mail in EU for the purposes of marketing. <sup>1.1</sup>

Specific purpose

Privacy by Design

# WHAT: SCOPE OF CONSENT



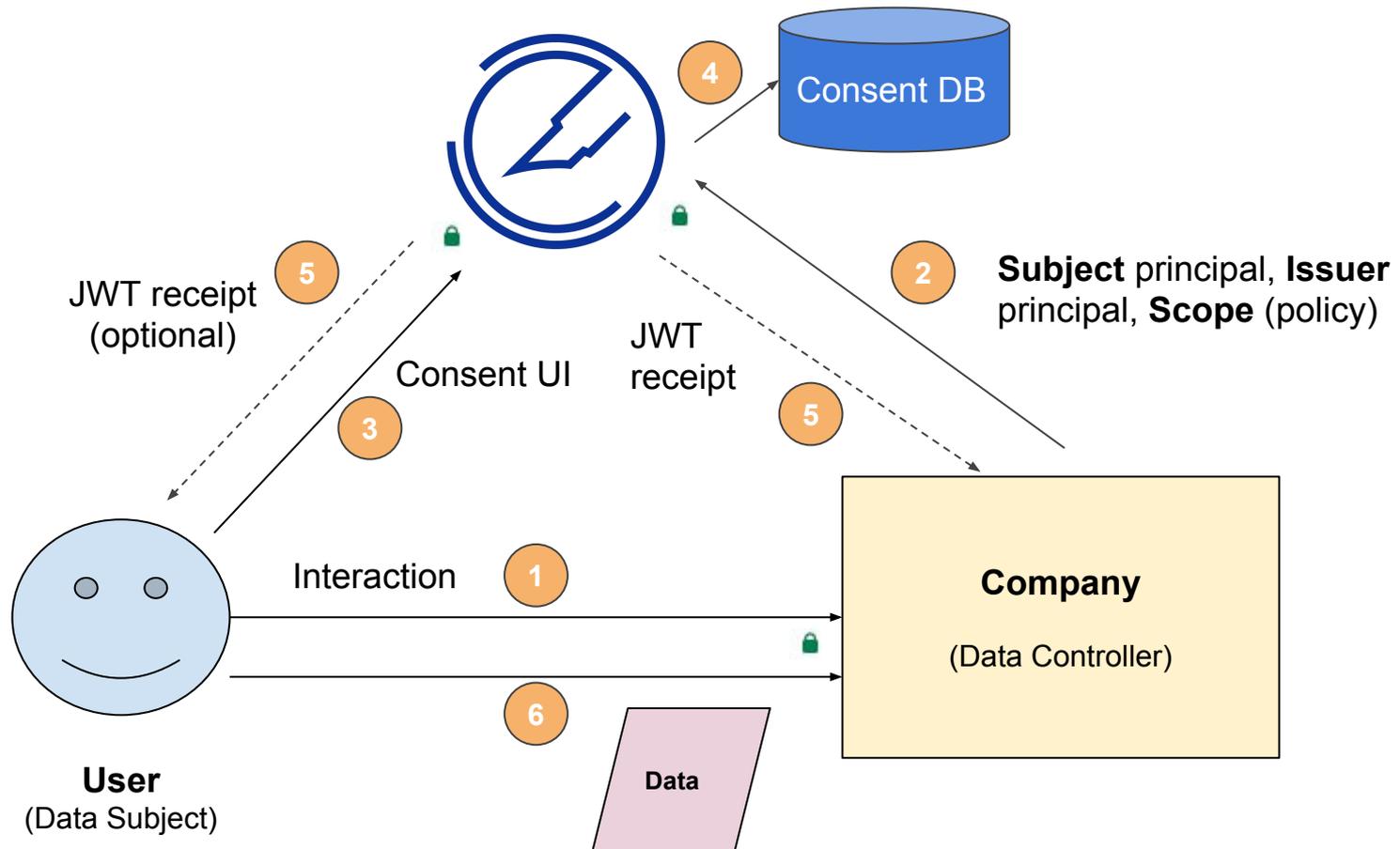
- Consent scope
  - Represented by URI or string
- Consent scope must be **immutable** or contain a **verifiable signature** (e.g., ETags)

# REALLY? PROVE IT!



- Key claims are **issuer** principal (iss), **subject** principal (sub), and **scope** (e.g., Privacy Policy)
- Signed **JWT token** (RFC 7519) with **claims** as a Consent Receipt
- Signatu stores the consent and the receipt

# CONSENT USING SIGNATU





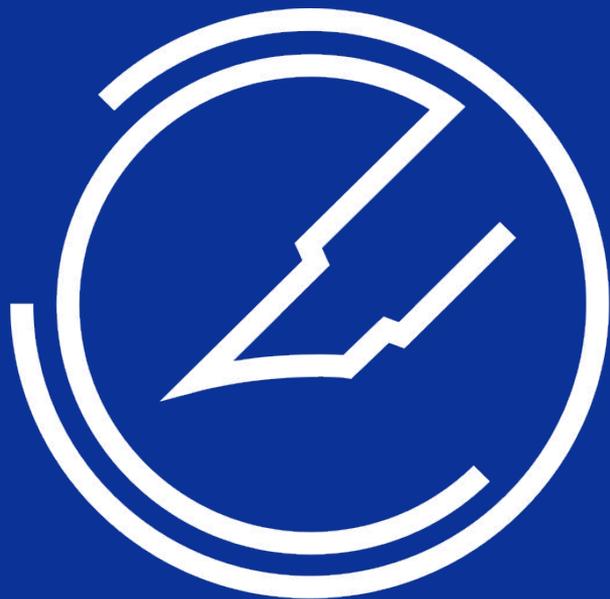


# Other JWT as Consent Receipts



*"The Kantara Consent Receipt Specification is for proof of consent, and uses signed JWT tokens and a common format for creating a consent record."*

Currently tested by **MyData Finland** Gov project and as a **Digital Catapult** project in UK.



**SIGNATU**



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