Epistimis.

Solving the scalability problem with privacy

GDPR

# These are likely the questions you deal with

- Can I collect and/or acquire this personal data?
- What are my compliance obligations / contractual limitations to that data?
    - Legislative & Regulatory
    - Corporate
    - Contractual
- Is this ethical / on-brand? (what rules are there?)
- Can I use this personal data for that purpose?

The Problem: Code first, Privacy later

Data flows between applications and data stores, each possibly using a different technology, with little documentation of semantics. Privacy analysis is done by examining code step by step - and must be redone every time there is a:

- change in application purpose/implementation
- change in jurisdictions where used
- change in the law
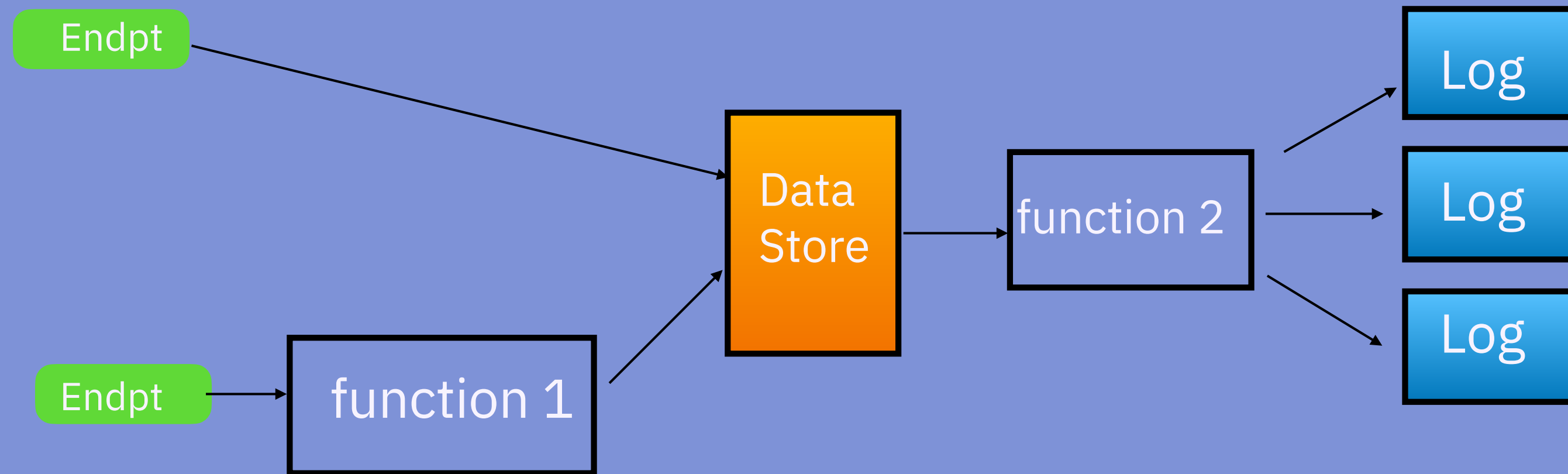
Different technologies at each stage make it hard to propagate changes in data usage or purpose consistently

Data Mapping (extracting semantics from code) is inherently guesswork.

Solution: Conceptual Data Flows & Constraints

Instead of trying to follow data flows through code, to figure out semantics,
model data structure semantics and flows a priori
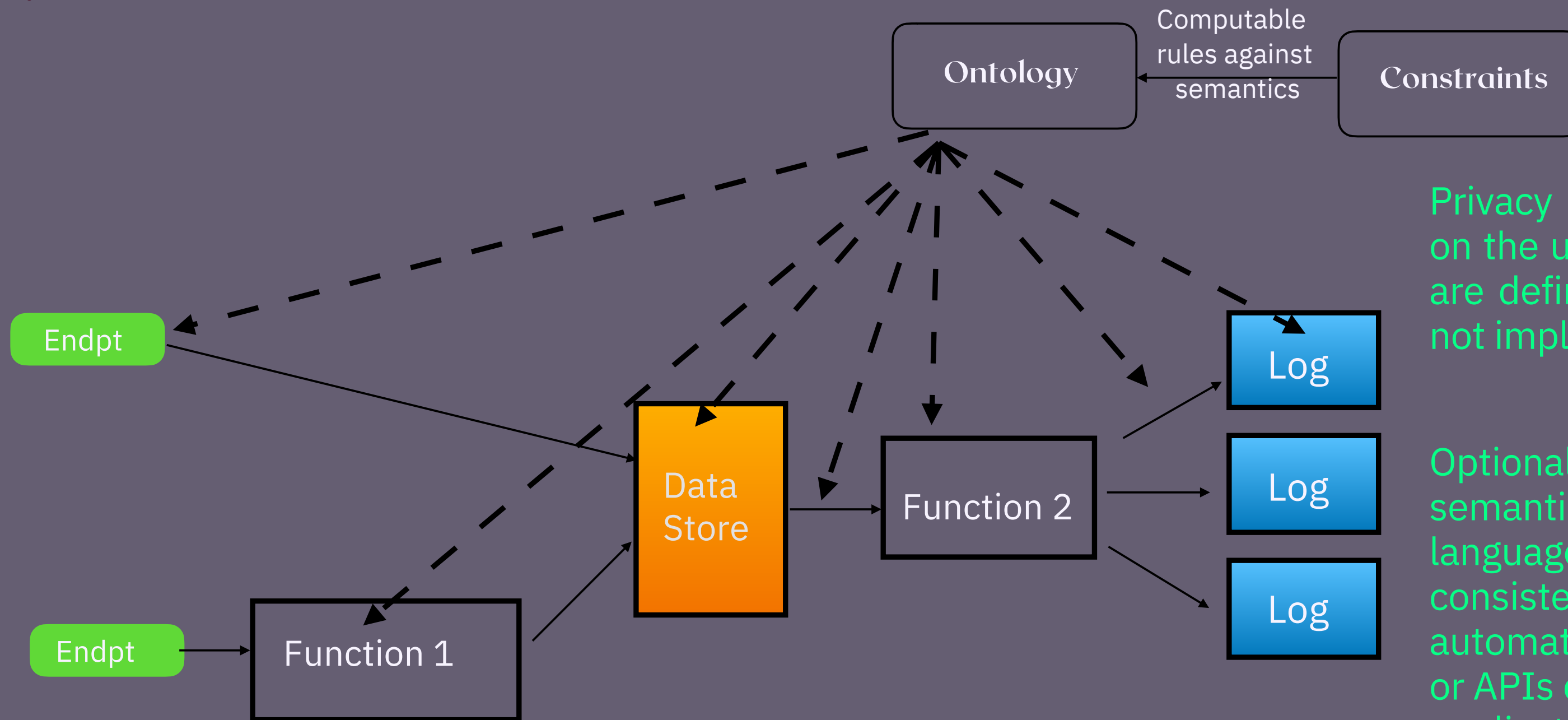
Privacy Rules are constraints on the use of data. Those rules are defined against semantics, not implementation

Optionally generate code from semantic models in the language(s) of your choice => consistency maintained automatically even if languages or APIs change across applications or over time

Do You Say Yes to One of These Questions?
If you do, you need Epistimis Modeling Tool

- Does your company use or capture personal data? (It could be from employees, customers, or users)

- Does your company supply tools that manage personal data? (e.g. AWS, Salesforce, Zendesk)

- Do you work for a law firm or consulting company (e.g. EY, PwC, …) focused on Data Privacy?

- Does your company insure businesses against privacy violations?

- Do you work for a regulatory agency that monitors for data privacy violations?

- Do you work in a highly regulated industry?
  - Healthcare (HIPAA,…)
  - Finance/Fintech
  - Education (student data)
  - HR (employee data)

How we can help you

We don't abandon you

• Tooling/maintenance contracts

•Includes tooling, Shared Data Models, and constraints/rules

•You get to influence future direction/priorities

•Maintenance includes changes in the rules - so you can be assured that you're always protected

•Consulting contracts

•We can train you how to best use EMT. This includes training in data modeling and constraint definition

•We can do the work for you - we can model your process below. We can even customize the tooling if you have special needs.

•We can configure your toolchain so that you never deploy anything that breaks the rules

•Tool Integration - if you're already using other data privacy tools, we can integrate with them - either supplying them inputs (e.g. for report generation) or using their outputs (e.g. data mapping)

•Certification artefacts - if you want a specific certification (e.g. SOC2, ISO - 27001, etc.), we can supply artefacts in an easily usable form.