fides

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Open-source developer tools for privacy.

**Join the Fides community.
Let's fix trust in tech together.**

ethyca.com/fides

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What is Fides?
A typical privacy request
A privacy request with Fidesops
Defining custom rules in Fides
Updating your dataset with Fidesctl
Other use cases of Fides

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What is Fides?

```
┌─────────────────────────────────────────────┐
│              ■ fides                          │
│  ┌──────────┐  ┌──────────┐  ┌──────────┐    │
│  │ fideslang│  │ fidesctl │  │ fidesops │    │
│  └──────────┘  └──────────┘  └──────────┘    │
└─────────────────────────────────────────────┘
```

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fides: open source project for data privacy

fideslang: high-level language to declare data

fidesctl: track declarations in git, enforce policies in CI

fidesops: automate privacy requests in runtime

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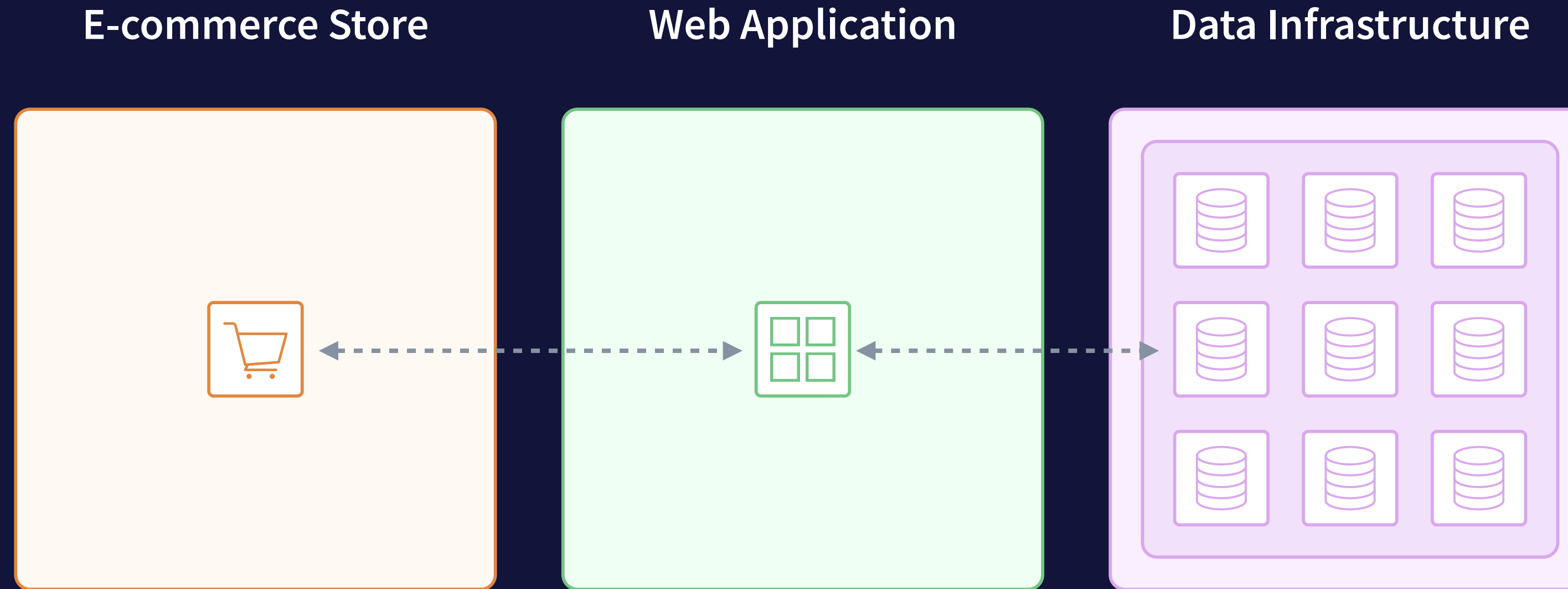# Updating your dataset with Fidesctl
Other use cases of Fides
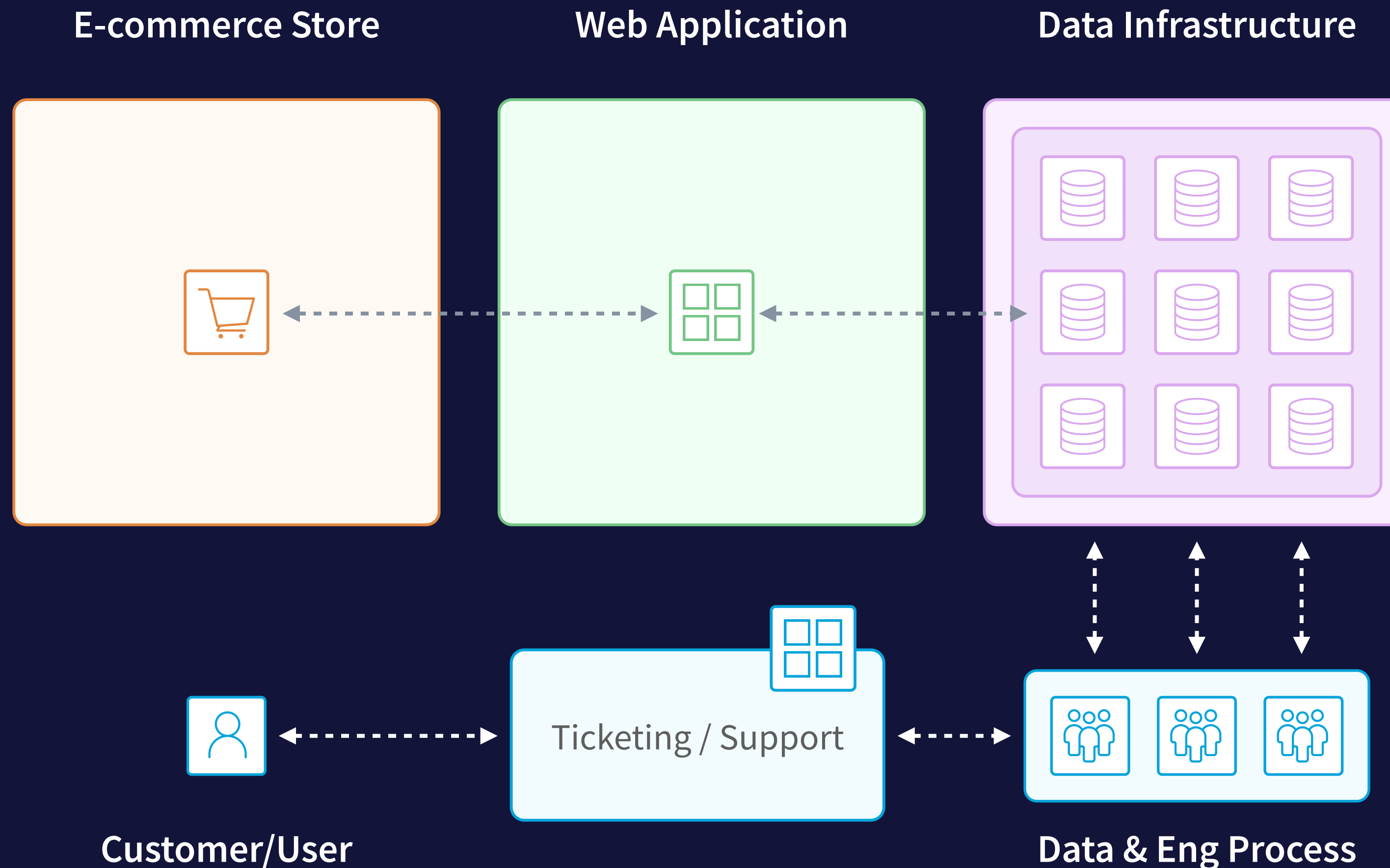
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Simple E-Commerce Application

E-commerce Store   **Web Application**   **Data Infrastructure**

\# Register users (names, emails)

\# Post products (descriptions, prices)

\# Make purchases (delivery addresses)

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Simple E-Commerce Application
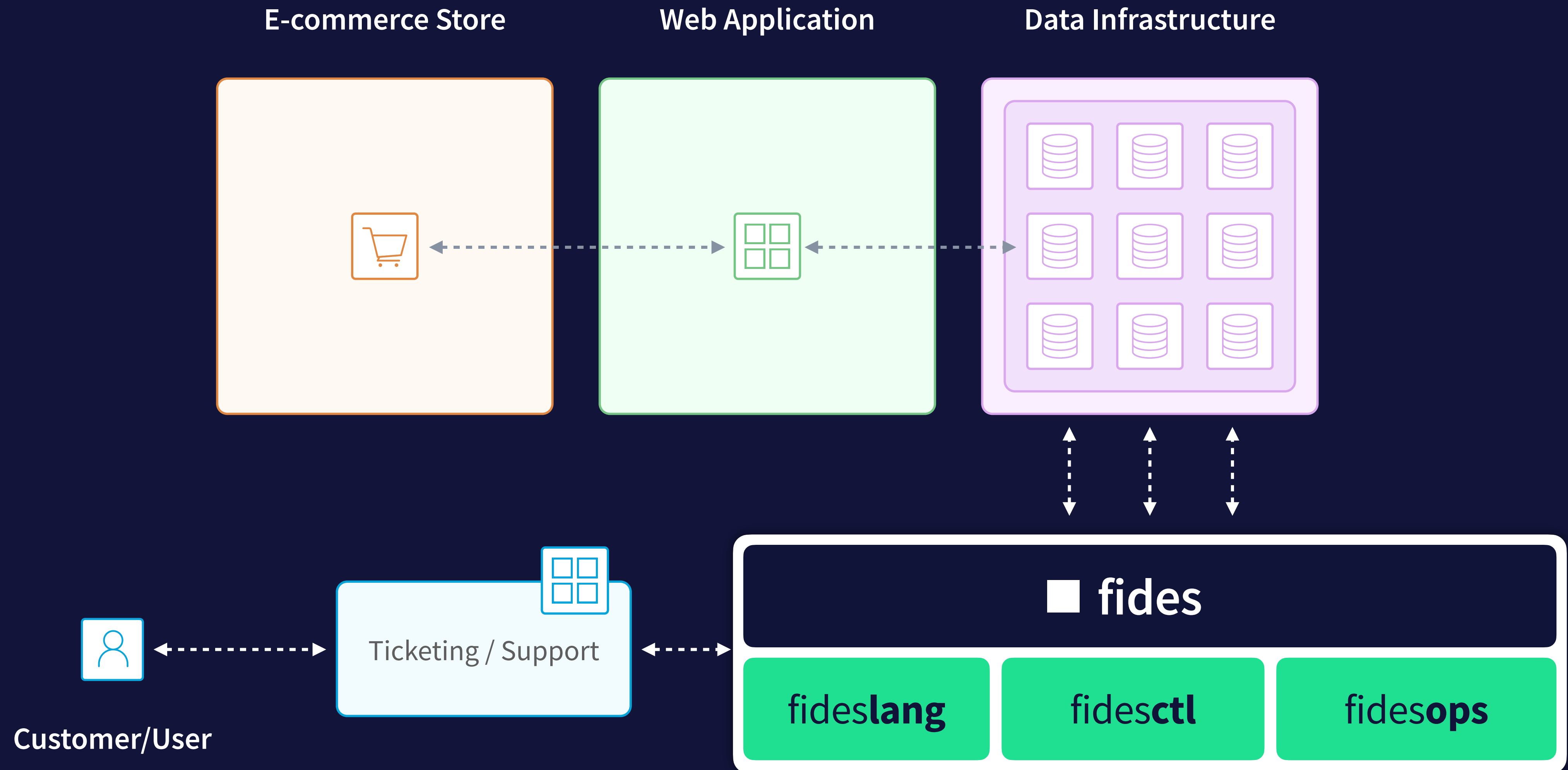
users, products, purchases

Try it out: make server

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Typical Privacy Request

E-commerce Store   **Web Application**   **Data Infrastructure**

Customer/User   Ticketing / Support   **Data & Eng Process**

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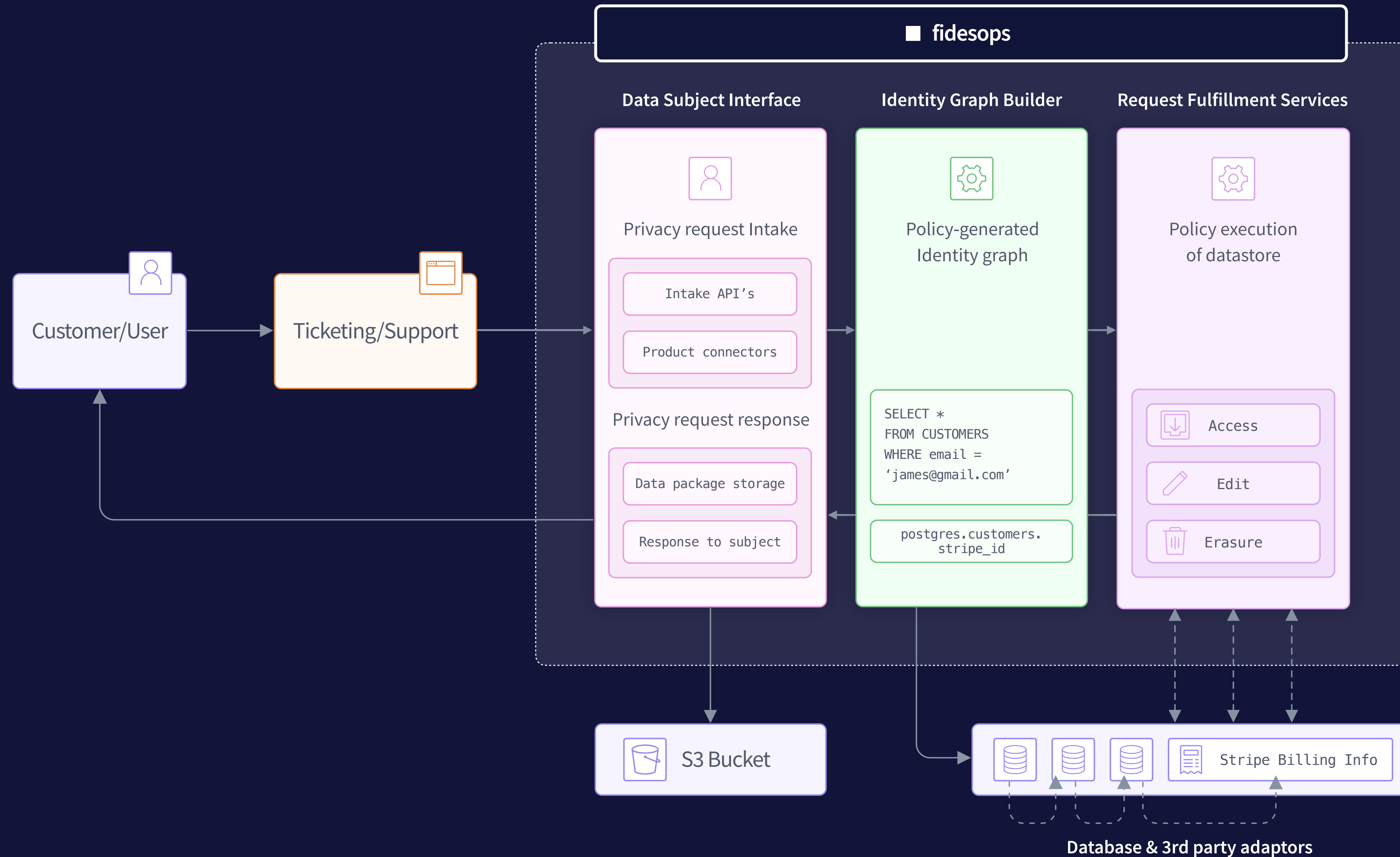
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Fides e-commerce stack

E-commerce Store

Web Application

Data Infrastructure

Customer/User

Ticketing / Support

■ fides

fideslang   fidesctl   fidesops

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Privacy request with Fidesops

Access all data for **user@example.com**

Try it out: **make fidesops-request**

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Request flow in Fidesops

fidesops

Data Subject Interface

Identity Graph Builder

Request Fulfillment Services

Customer/User

Ticketing/Support

Privacy request Intake

Intake API's

Product connectors

Privacy request response

Data package storage

Response to subject

Policy-generated Identity graph

```
SELECT *
FROM CUSTOMERS
WHERE email =
'james@gmail.com'
```

```
postgres.customers.
stripe_id
```

Policy execution of datastore

Access

Edit

Erasure

S3 Bucket

Stripe Billing Info

Database & 3rd party adaptors

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Custom Fidesops Rules

user.provided (generic)

user.provided.identifiable.contact.email (specific)

Try it out: make fidesops-request

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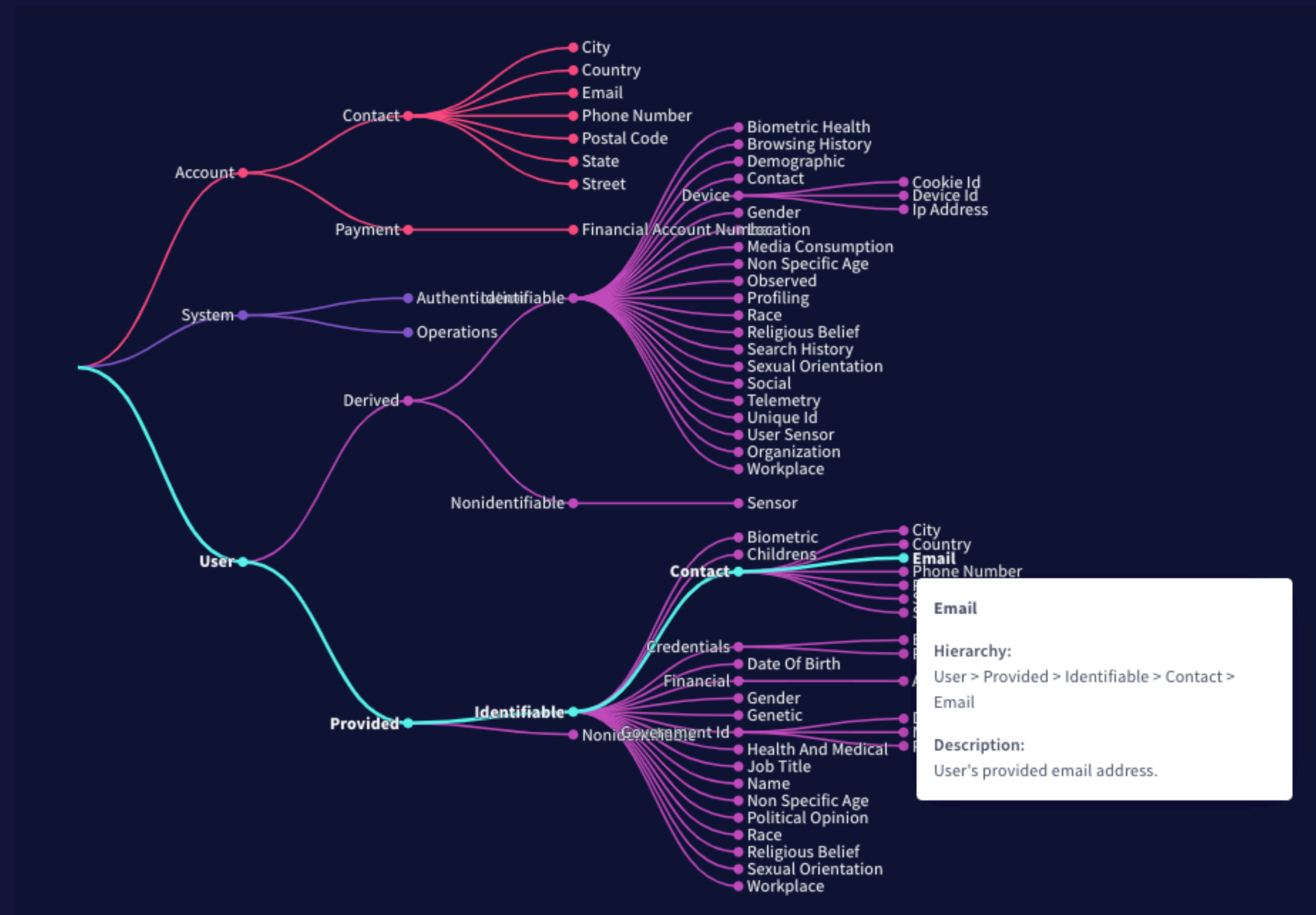# Updating your dataset with Fidesctl
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Fidesctl in CI Pipeline

Engineers

fidesctl
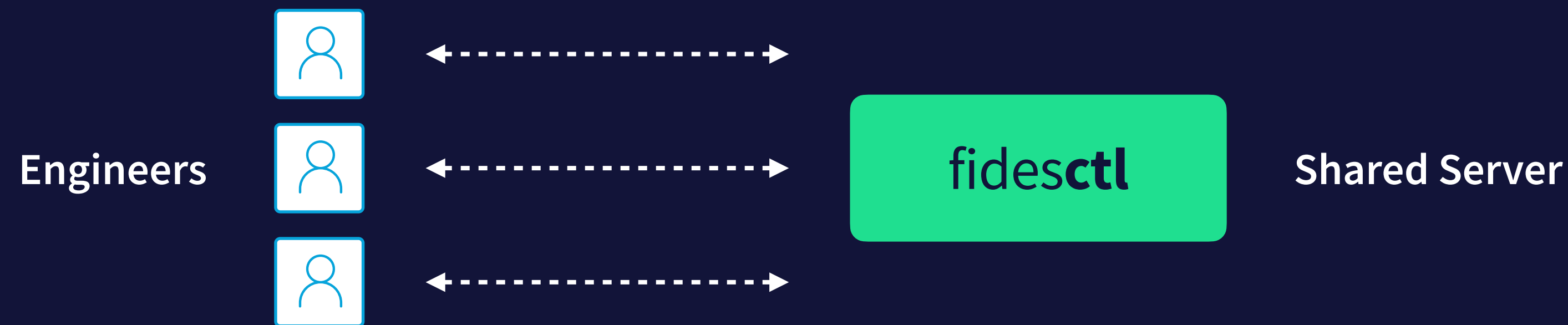
Shared Server

Engineers edit YAML declarations in git repo
fidesctl CLI validates language
fidesctl server stores the shared definitions
Enforces consistent language & policy via CI

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Fides Taxonomy

Fides defines data categories to choose from

Open standard based on GDPR, ISO, etc.

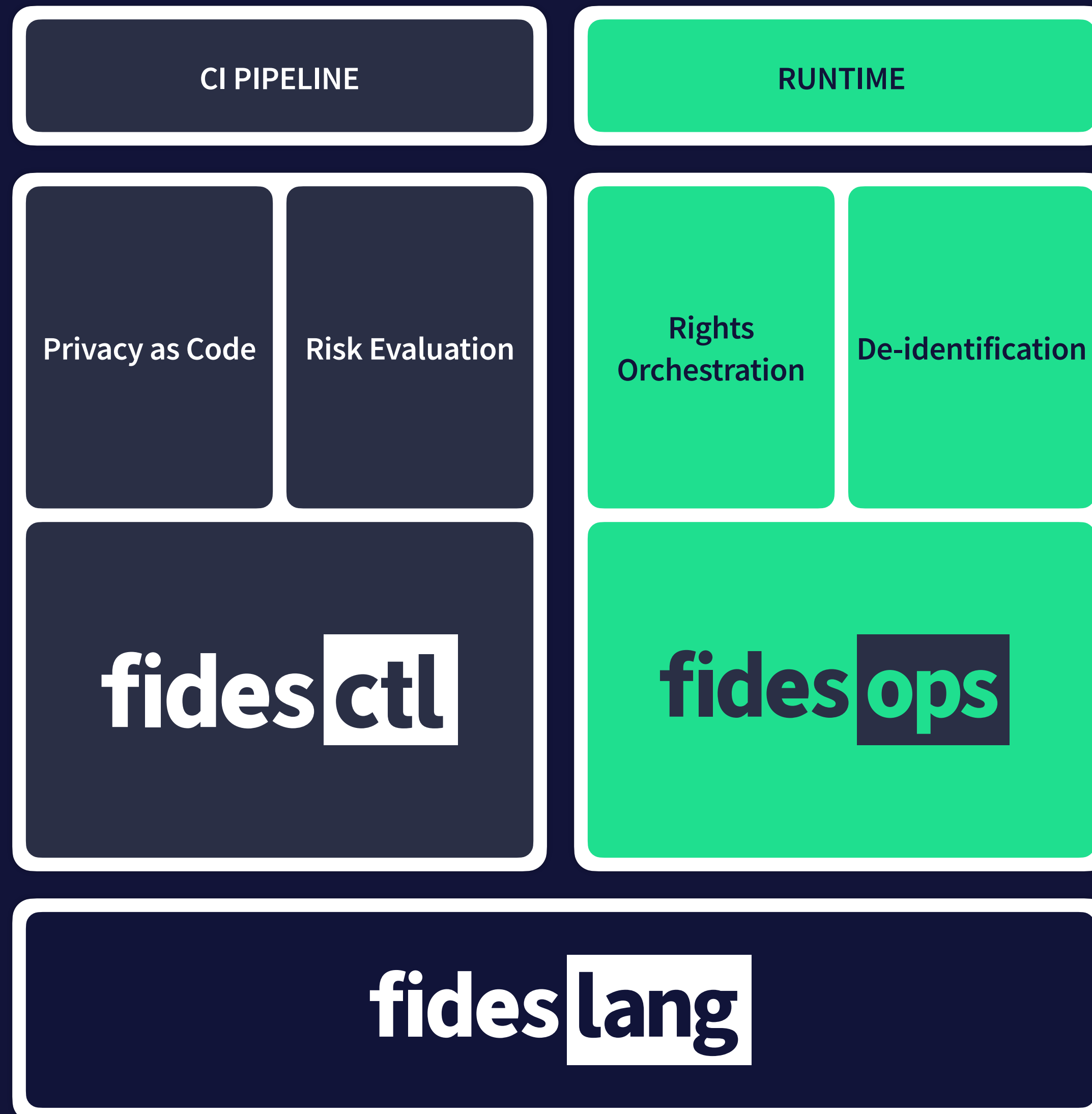ethyca

Fidesctl Evaluations

user.provided.identifiable.purchase (invalid)

user.provided.identifiable.financial (valid)

Try it out: make fidesctl-evaluate

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Fides Use Cases

CI PIPELINE	RUNTIME

Privacy as Code	Risk Evaluation	Rights Orchestration	De-identification

fidesctl

fidesops

fideslang

Evaluate privacy as code
Enforce policies in CI
Orchestrate requests
De-identify datasets
… and more!

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