



The Open Source Genealogy API

In This Presentation

1. Why Trepo Exists

2. What Trepo Is

3. How Trepo Works

User & Developer Stories



Princess Bride - © 1987 Twentieth Century Fox



As a User, I want to disagree with my cousin on our Grandfather's birthplace, but still collaborate and work with him on our genealogy.



Shrek - © 2001 Dreamworks



As a User, I want to keep my private information private, work with Bob on my father's line, and let anyone see my tree starting at my grandparents.



The Lego Movie - © 2014 20th Century Fox



As a Developer, I want to see the source code and extend the schema and functionality while still exchanging data with others.



Seinfeld - © 1989-1998 NBC



As a Developer, I want to develop on any platform, run distributed or centralized, and synchronize data changes between various instances.



The Open Source Genealogy API

Trepo is: Controllable

Trepo is: Collaborative

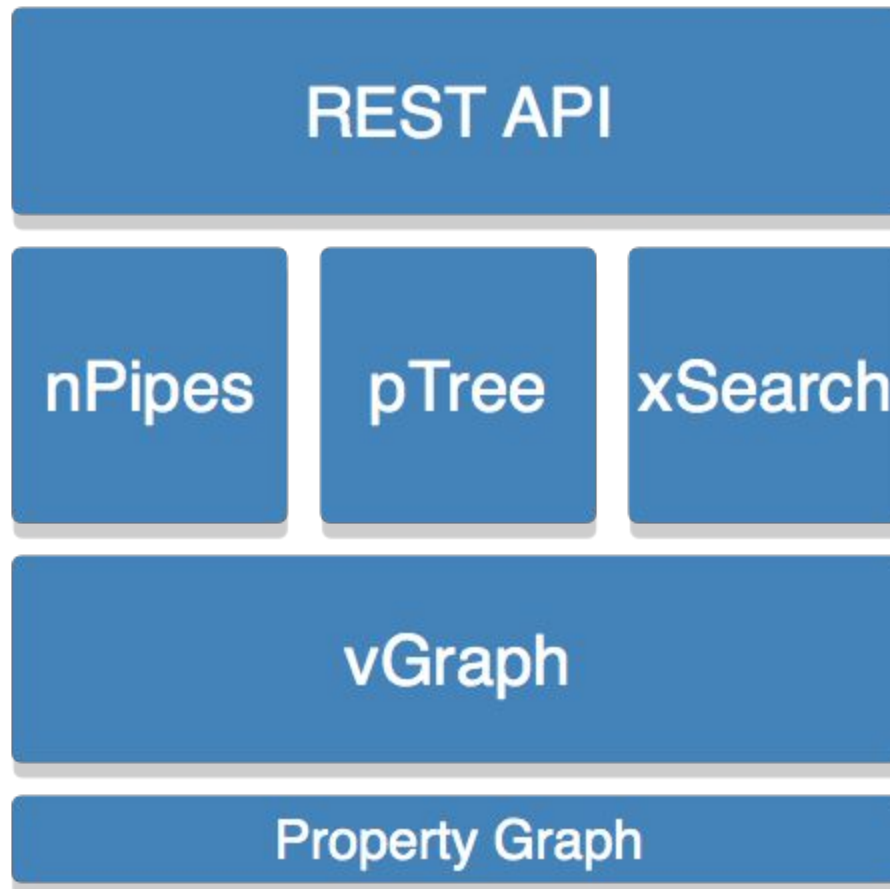
Trepo is: Extensible

Trepo is: Language Agnostic

Trepo is: Open Source

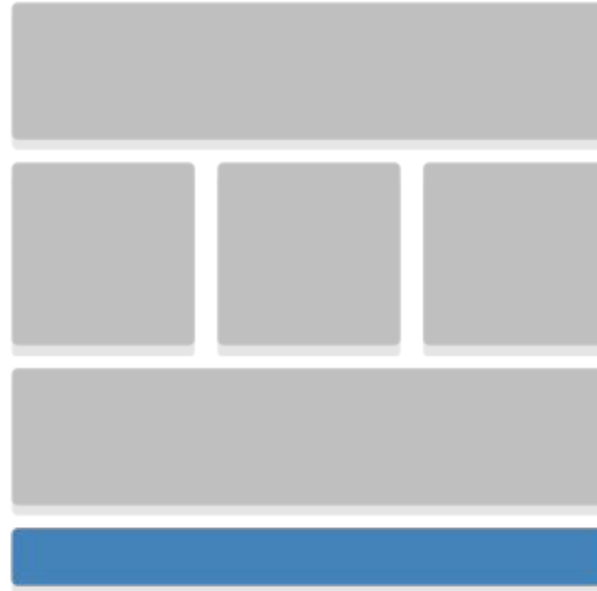


The Open Source Genealogy API



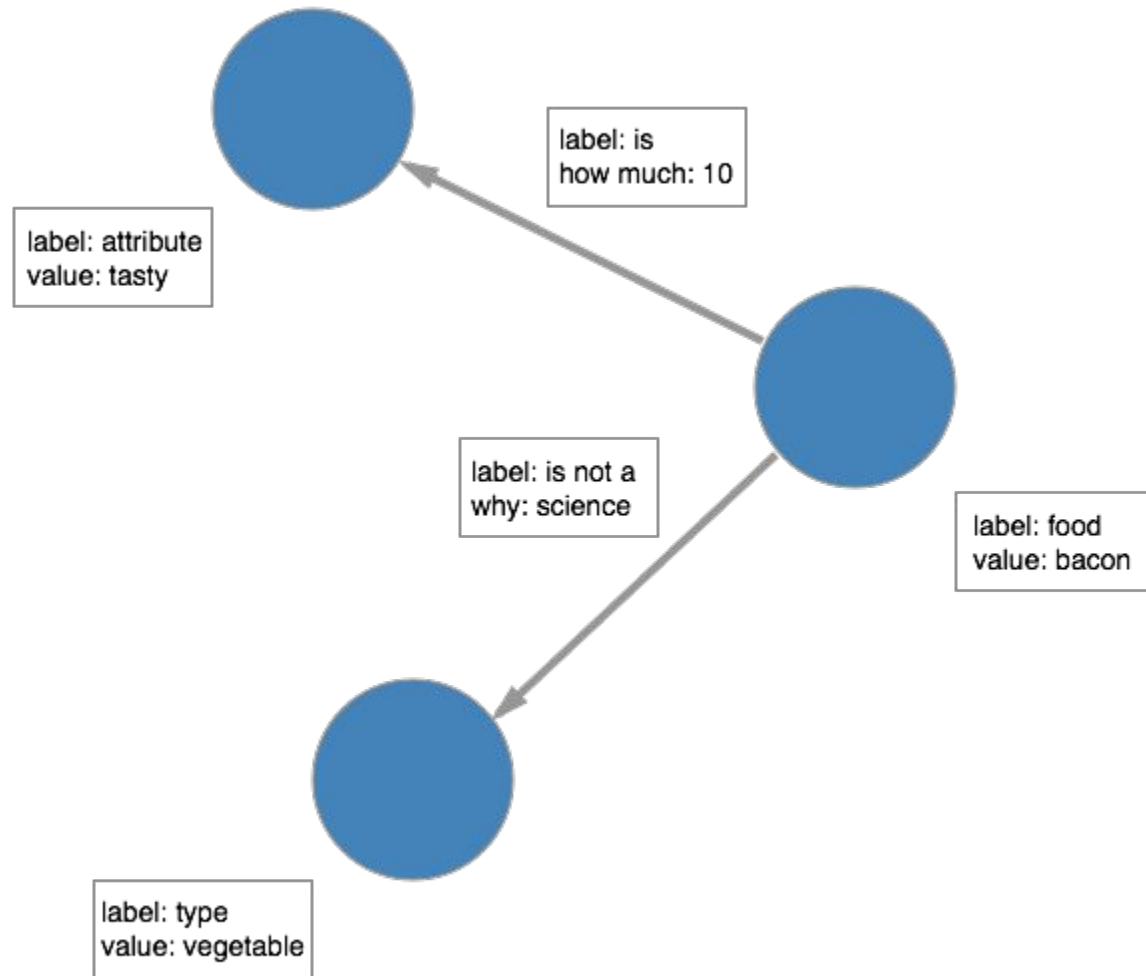
This is Trepo

Property Graph

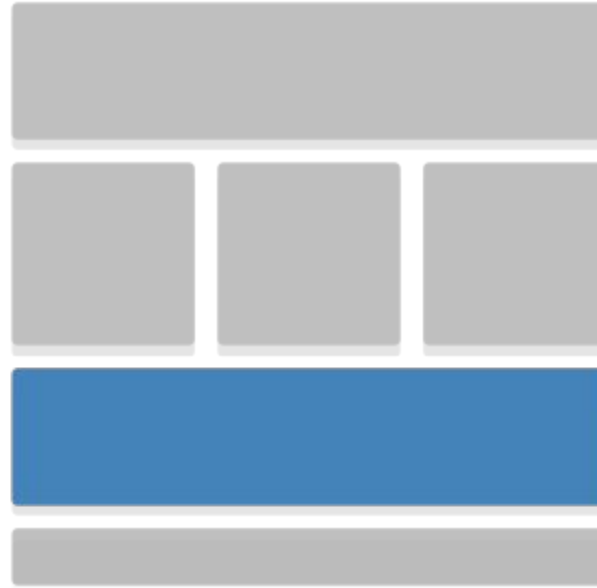


Any Directed Property Graph
that is ID Addressable

Property Graph

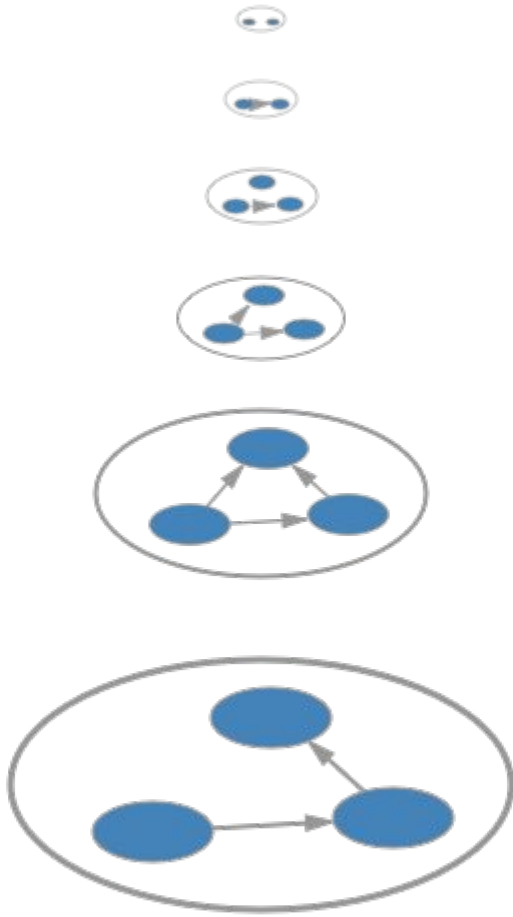


vGraph

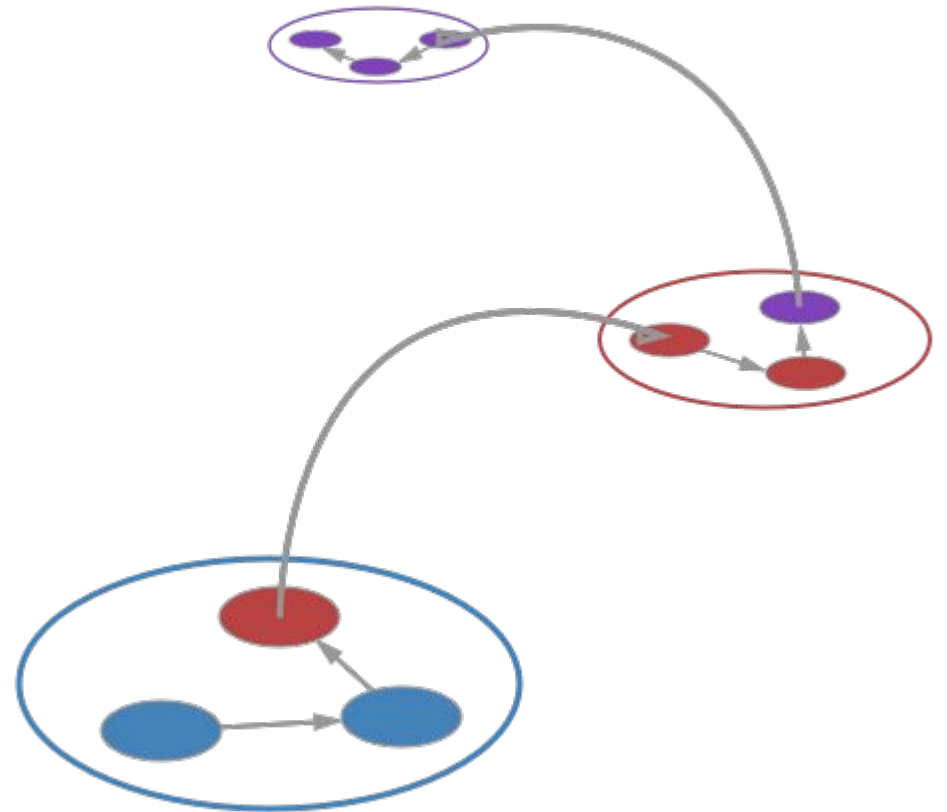


A Distributable, Versioned
Graph Database

vGraph

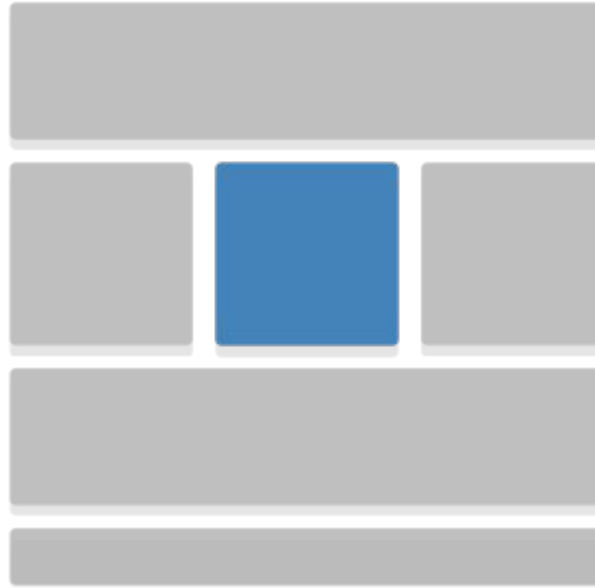


Versioned



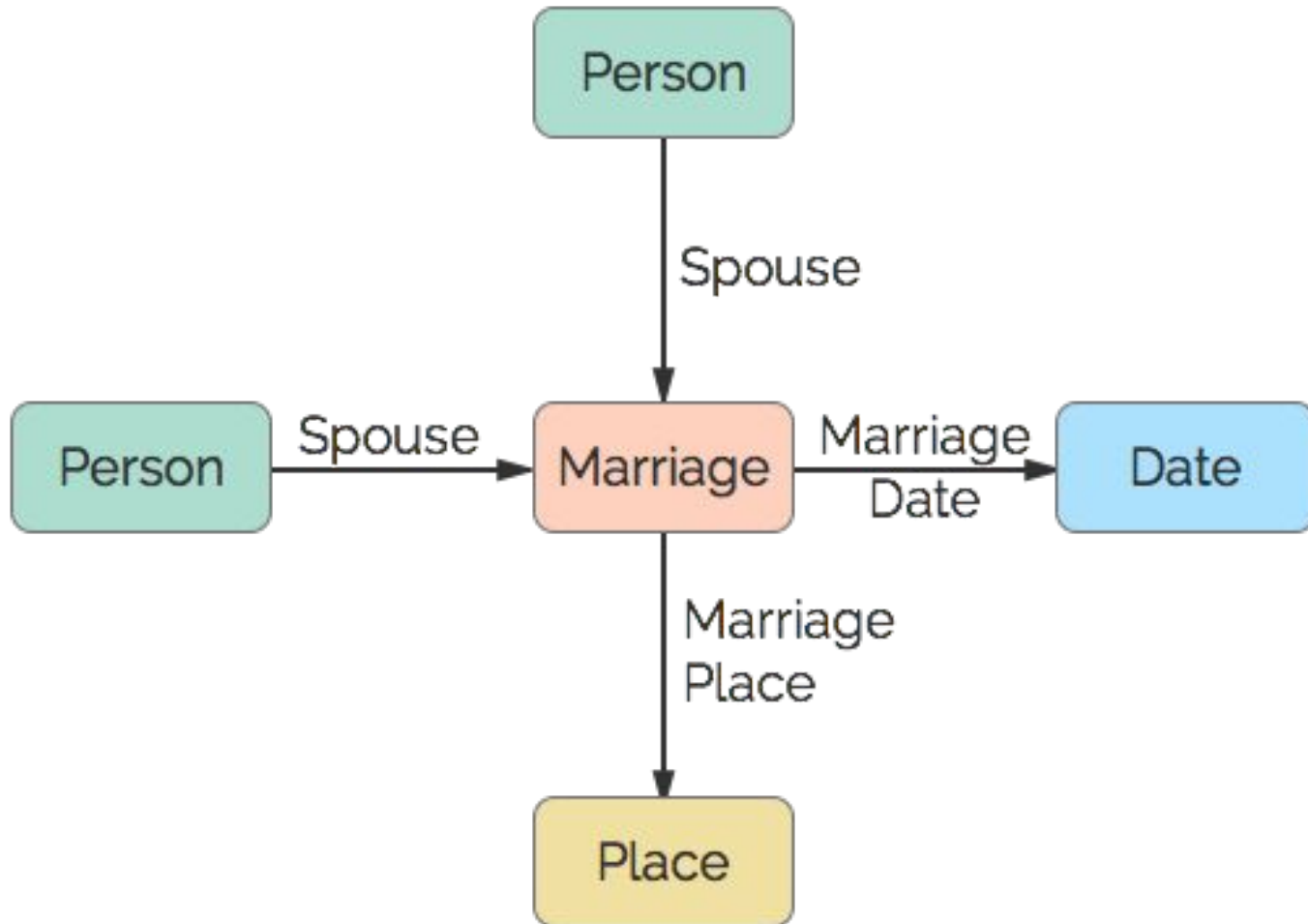
Distributable

pTree

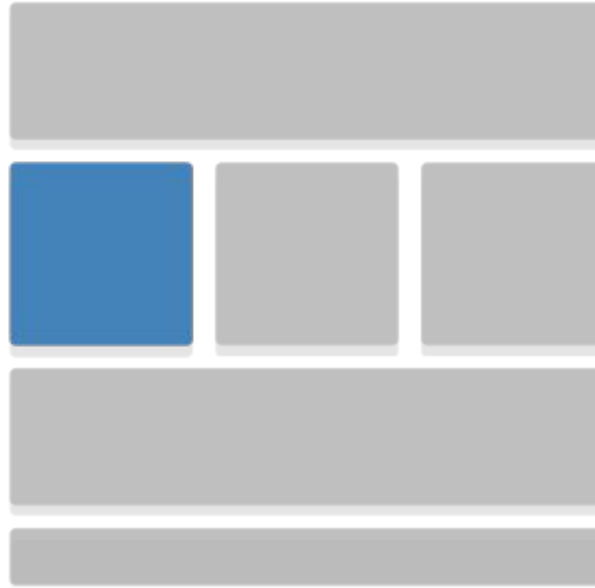


An Extensible Genealogical Data Model

pTree

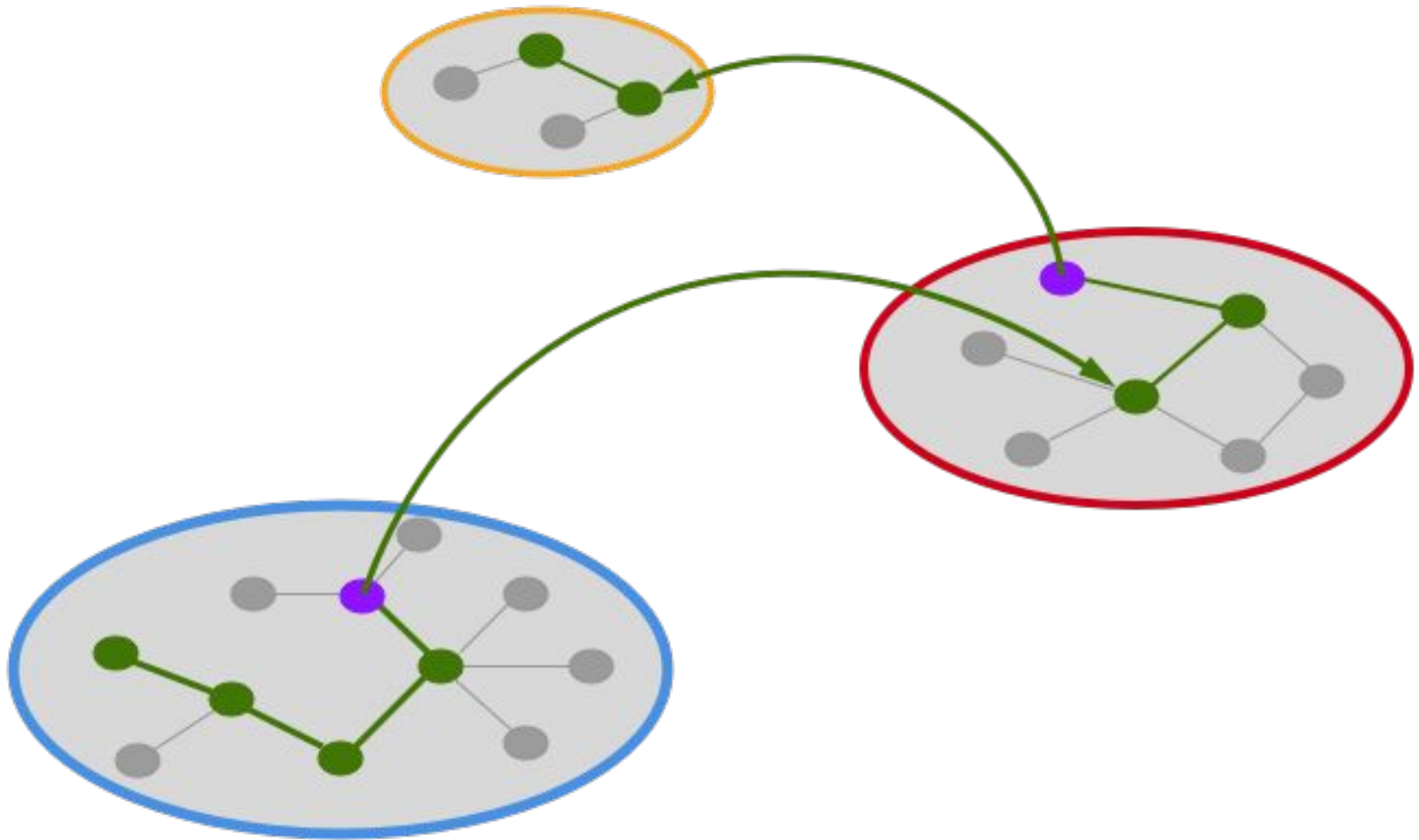


nPipes

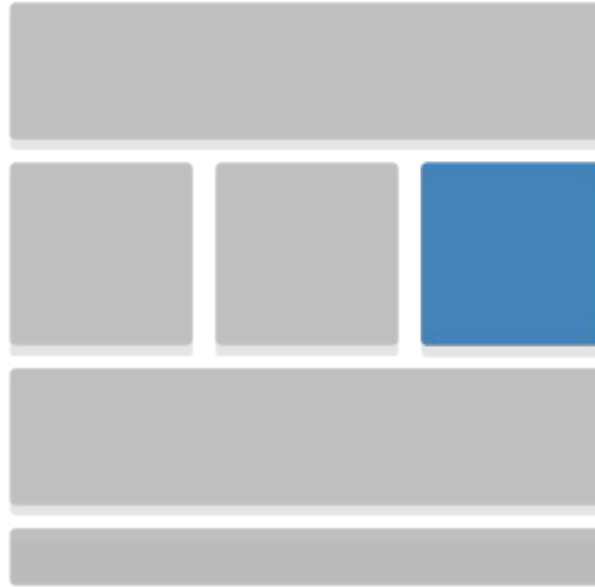


A Cross-Repository Graph Traversal Framework

nPipes

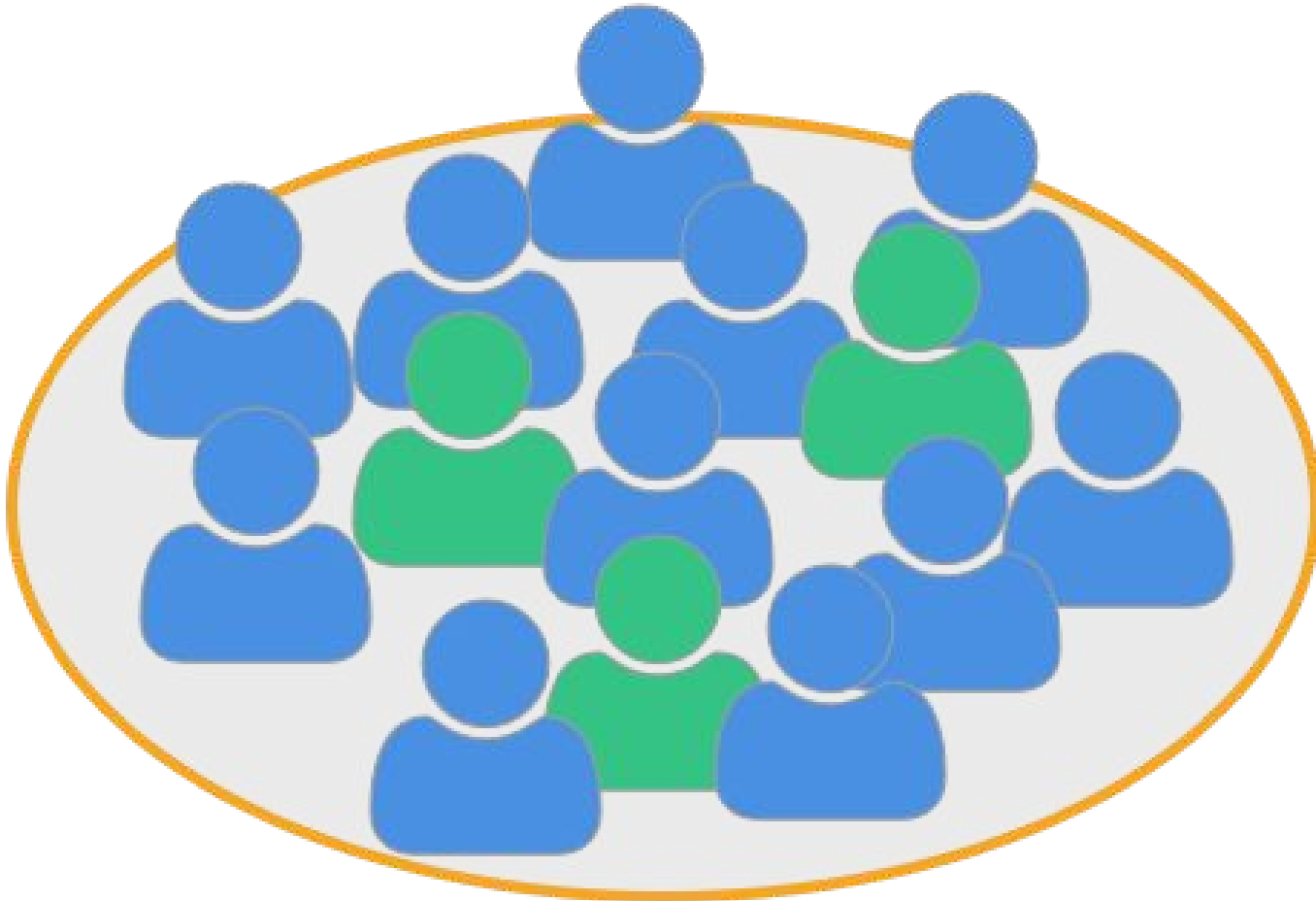


xSearch

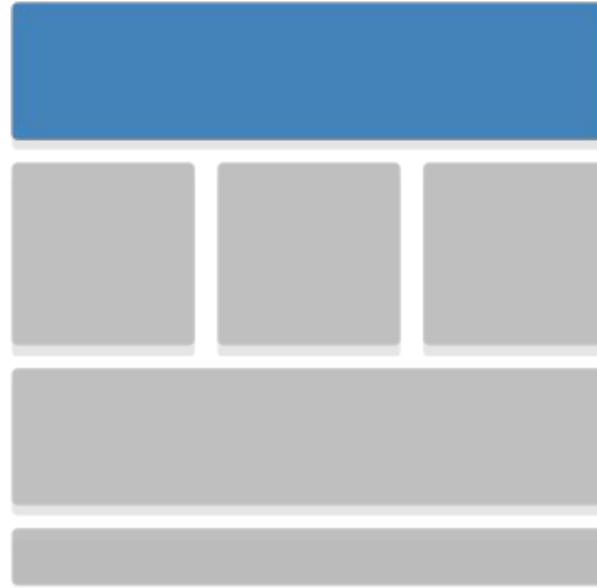


An Indexing and Query Specification

xSearch

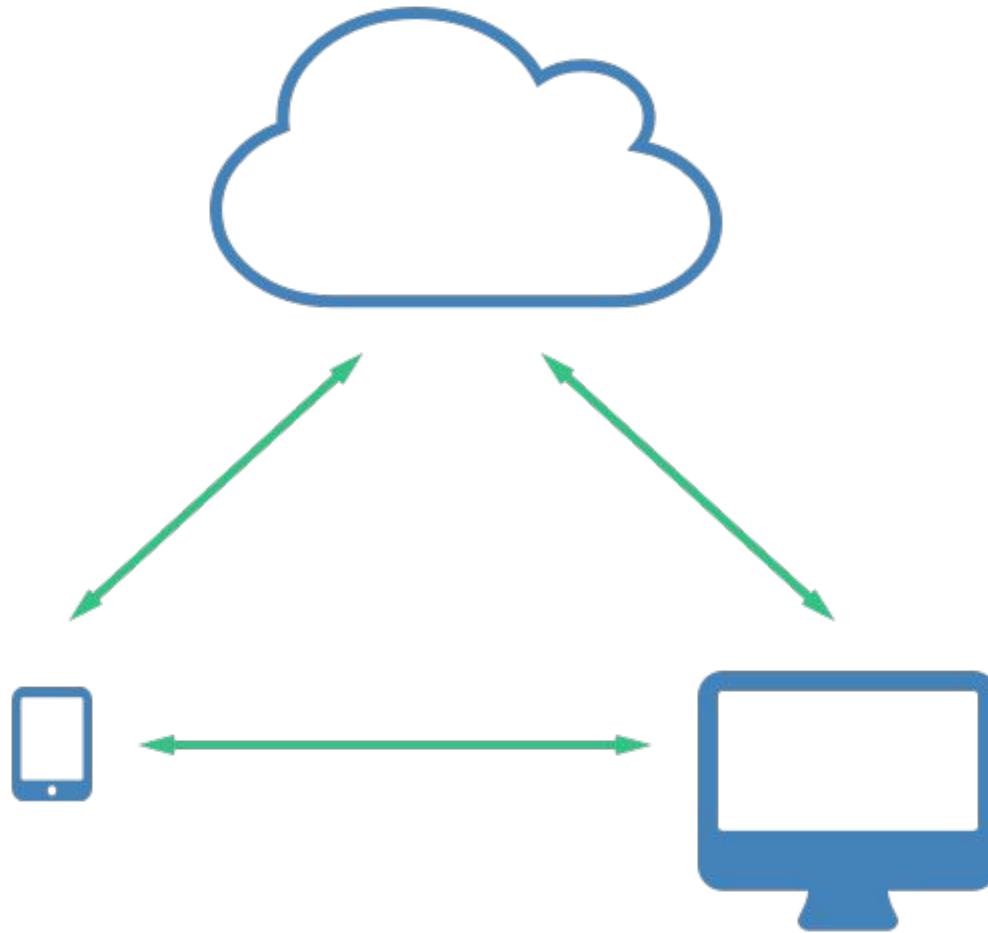


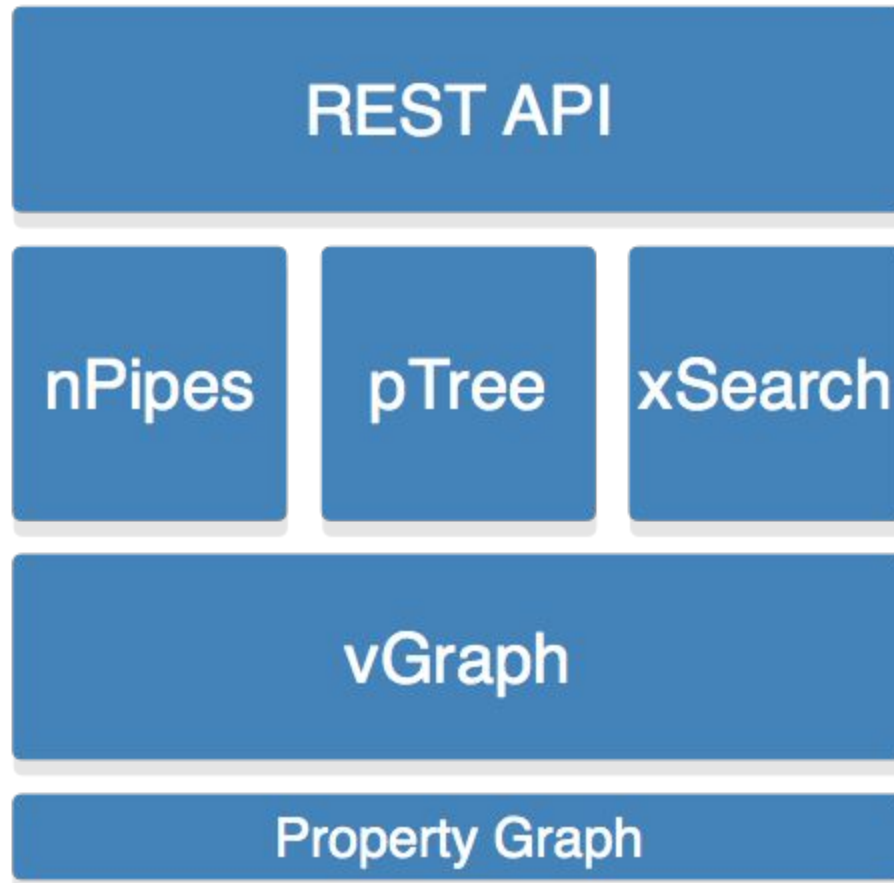
REST API



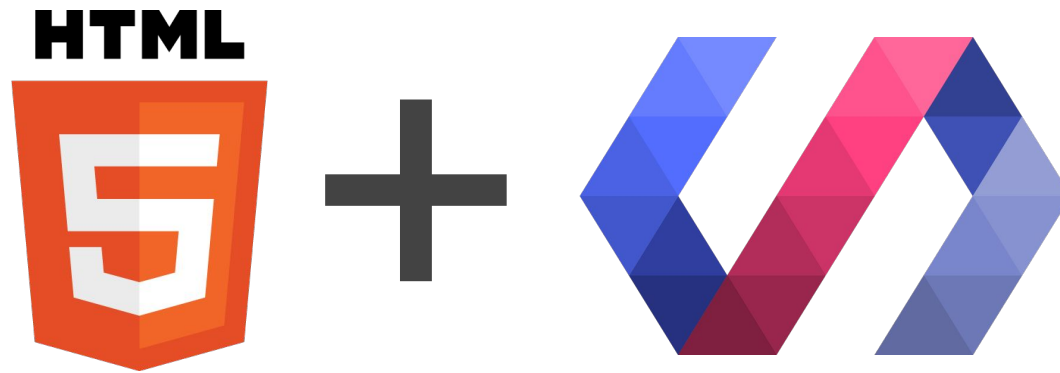
A RESTful API Specification

REST API





Web Components



Fully Interactive and Styleable
HTML5 Web Components

Web Components



```
<trepo-person>  
  <trepo-person-portrait>...</trepo-person-portrait>  
  <trepo-name>...</trepo-name>  
  <trepo-birth>...</trepo-birth>  
  <trepo-marriage>...</trepo-marriage>  
  <trepo-death>...</trepo-death>  
</trepo-person>
```



The Open Source Genealogy API

Demo

<http://trepo.io>

John Clark

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Thank you :)