Reason across the data sources Disambiguated entities Relations between projects, tasks, developers and their activity

Keep on tracks of software development

Single data source

Open-sourced, contribute yourself

## Be part of it Join us now!

## Data of Software Development

- Tracks of the development process
- Available from tools used in development
- Loosely coupled across these tools
- Repetitive data mining and collection
- Need to be linked together for reasoning











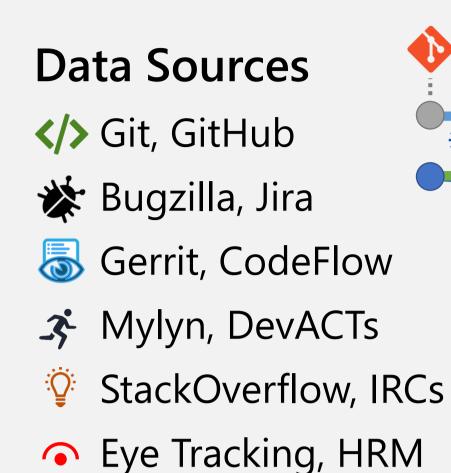


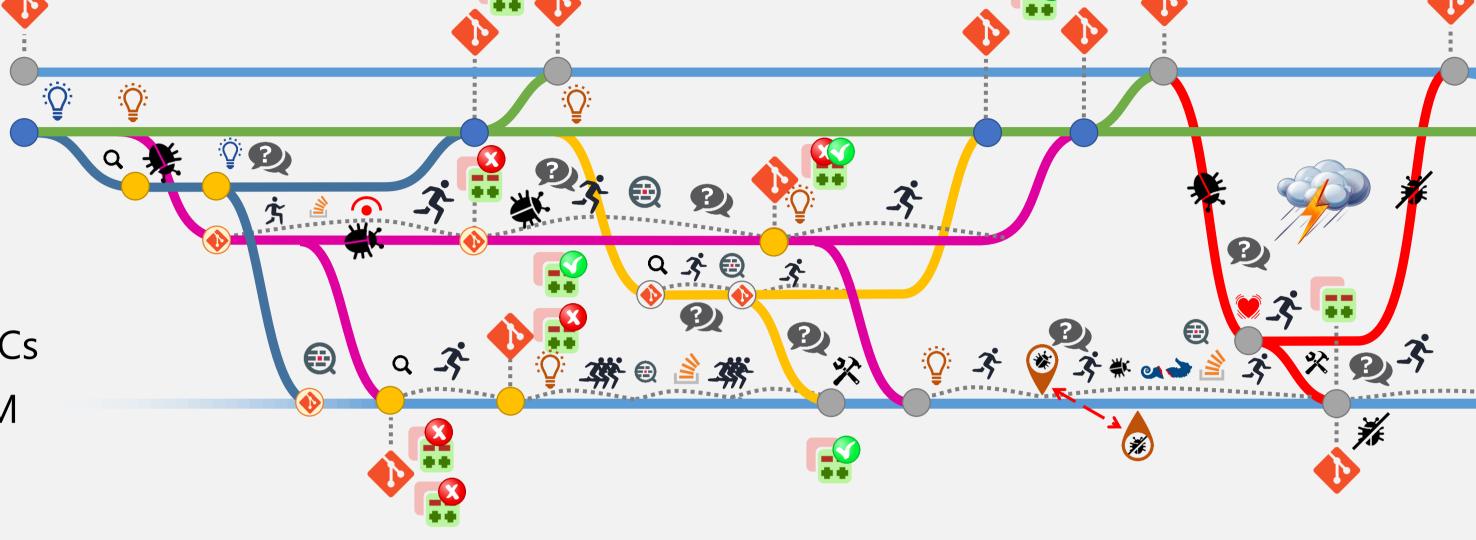












## Solution

## **Linked Data of Software Development**

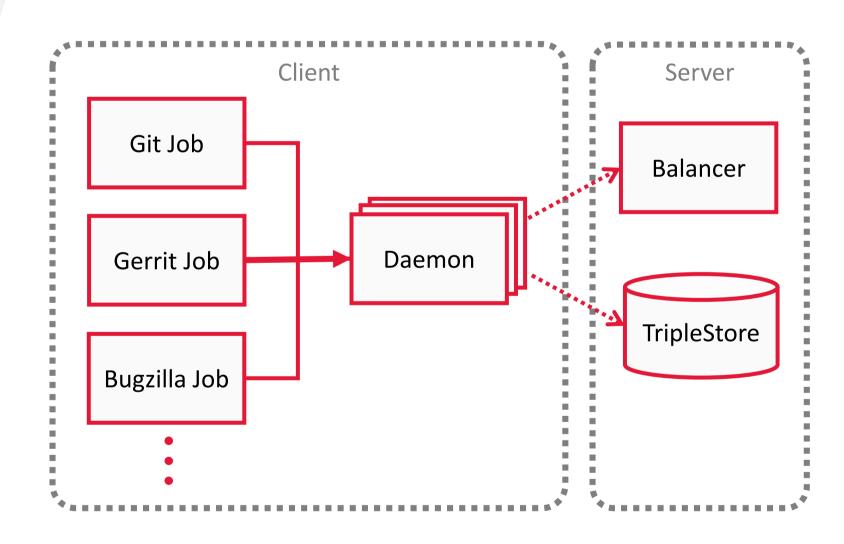
- Collecting data from all of the data sources
- Ontologies for each of the data sources
- Collected data transformed into RDF triples
- Linking ontologies between each other
- Based on same e-mails, IDs, projects, artifacts, etc.

### Platform

#### Main Features

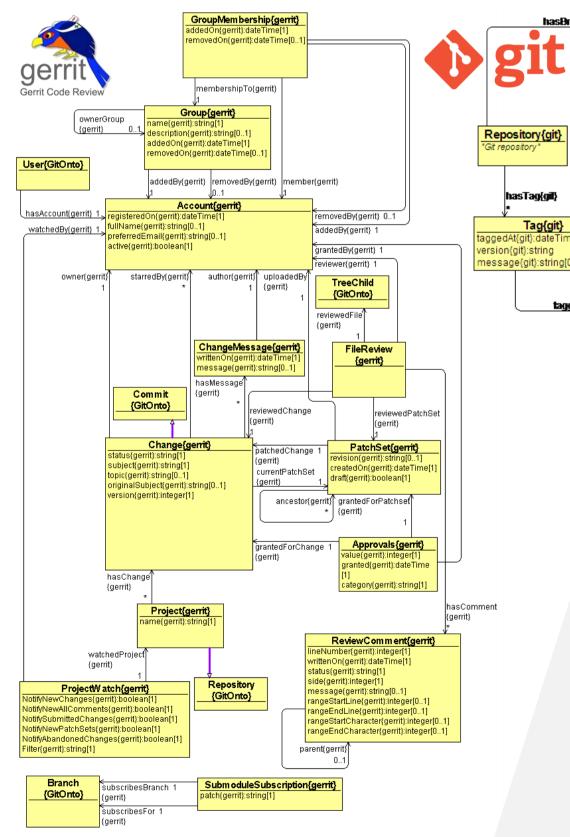
- Distributed and gentle data collection
- Incremental collection up-to-date data
- Linked Data representation ontologies
- Support for static and stream reasoning
- Extensibility add your own tool

#### Architecture



- Botnet-like network of Daemons
- Jobs assigned by the Balancer
- Storing RDF triples in the TripleStore

### Ontologies



## **Current Progress**

System design

- ✓ Daemon, Balancer Ontologies design
- ✓ Git, Gerrit

Download jobs

√ Gerrit

"There's so much data of software development, though **sparse, scattered, not linked** together." – "Let's put them all together!"

# On the Tracks of Software Development



