

The Expanding Universe of BigBang

IETF 116 - RASP RG

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BigBang is

- open source community
- research infrastructure
- for analysis of
- infrastructure governance and standard setting processes



History

2018/6 - 0.2.0 Tulip Revolution

- Governance
- Code of Conduct
- Gender Participation

2021/3 - IETF 110 - Article 19 sponsors sprint

2021/5 - 0.3.0 Joie de Vivre

- Tenure calculation
- Affiliation analysis and entity resolution
- LISTSERV, W3C data sources

2022/4 - 0.4.0 Syzygy

- ReadTheDocs
- Included datasets (hand annotations, etc.)
- IETF DataTracker source: attendance and draft analysis
- Supported by Prototype Fund

2023/3 - IETF 116

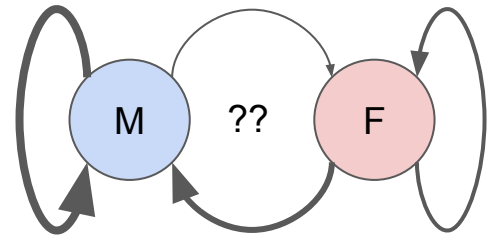
- **Dashboard prototype and design**
- **Hackathon contributions**
- **RASP RG**

Open Source Community Governance

- Lightweight process modeled on other successful open source communities
- The project is governed by consensus of the Core Developers.
- **Core Developers:**
 - are those whose *active and consistent contributions* are recognized by (formal) consensus of the other Core Developers.
 - are responsible for reviewing contributions
 - can phase out of leadership status through inactivity.
- **BigBang Improvement Proposal (BBIP).**
 - are iteratively edited and voted-on proposals for a far-reaching change.
 - are approved by consensus

IETF 116 Hackathon – new Pull Requests

- #585 Command Line Interface (Micah Lee)
- #586 Named Entity Recognition with LLMs (Effy Li)
 - Extracts entities from mailing list text
 - [Presented later in this session]
- #592 Intergender Sentiment Analysis (Priyanka Sinha)



Dashboard Prototype

Complex installation blocks users

Hosted 'dashboard' to analytics

Respecting data protection rights

Legitimize processing: public interest

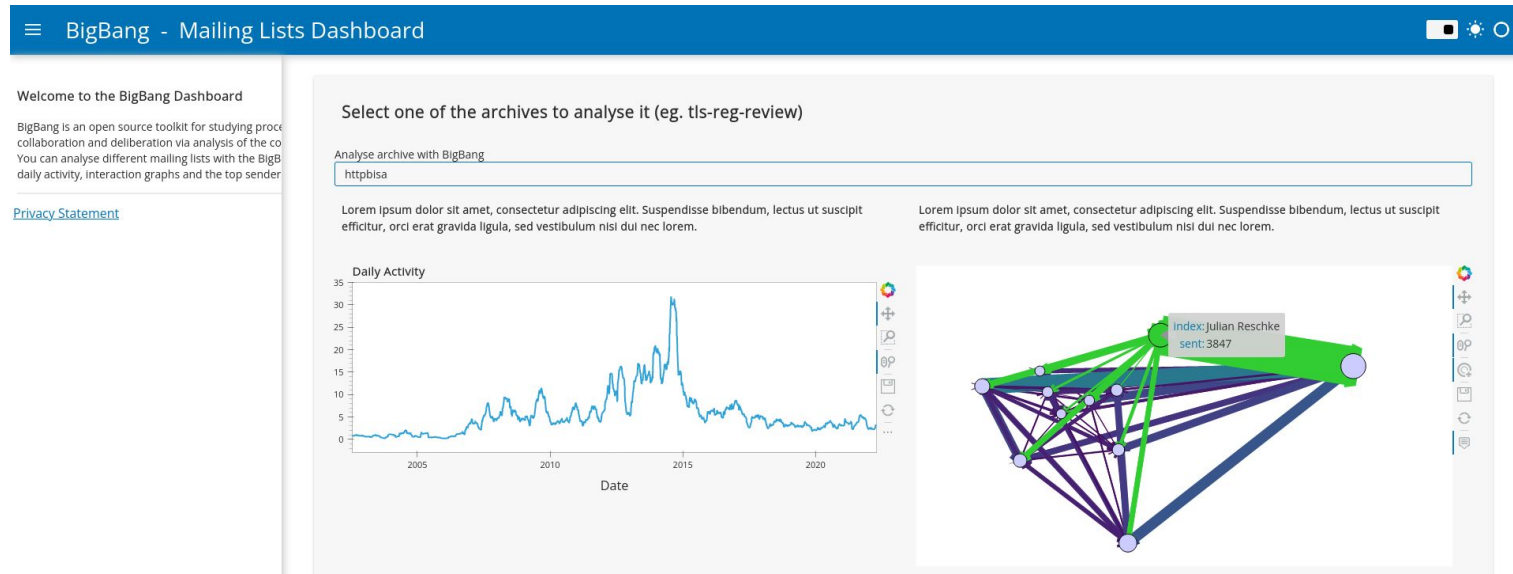
Welcome to the BigBang Critical Infrastructure Dashboard!
To access the dashboard you need to agree to the terms of data sharing and access. Please fill up [this form](#) to get your credentials.

Login

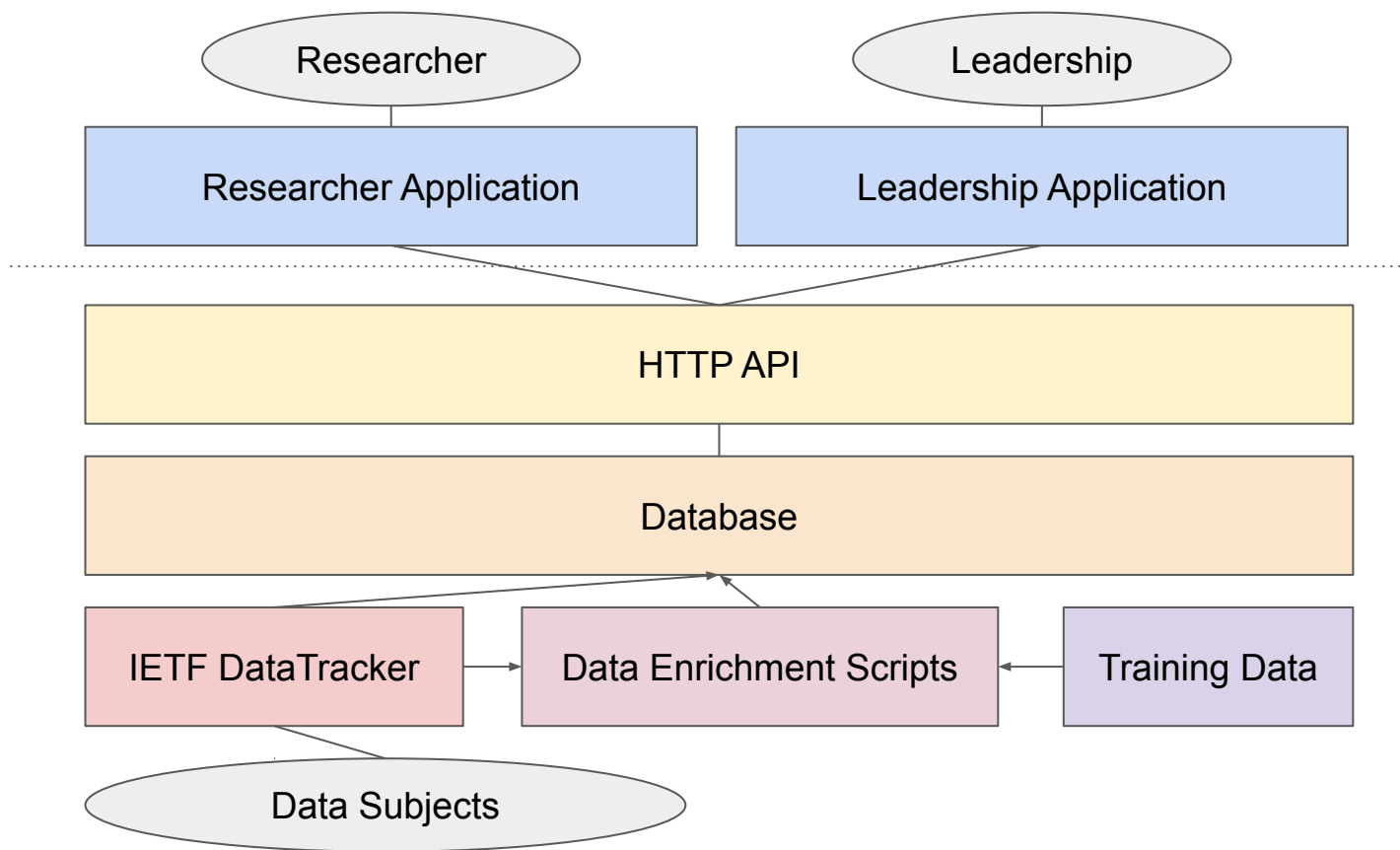
Prototype and design

Rapid prototyping of web interface to Working Group analytics.

User studies and feedback to develop designs for next phase.



Future RASP Research Infrastructure ?



Future RASP Research Infrastructure ?

Legitimate
Basis,
purpose
bound
(GDPR)

Researcher

Researcher Application

Leadership

Leadership Application

Data
Intermediation
Service?

HTTP API

Database

E.U Data
Governance
Act (DGA)

IETF DataTracker

Data Enrichment Scripts

Training Data

fiduciary duty

Data Subjects

Demo: <https://standardsandgovernance.net/>

GitHub:

- <https://github.com/dataactive/bigbang>
- <https://github.com/dataactive/dashboard>