Q4 2019

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The Data Platform for your Software Development Life Cycle

7 out of 10
enterprise IT initiatives fail

**McKinsey Report 2018*

IT projects fail because executives have no visibility

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Lack of visibility comes from:

Source code, software development and business data are spread across many silos

Large volume, variety, intricacy and versions of data

Retrieving, storing and querying at scale is hard

Shadow IT and “Dark Data” due to developer frustration with legacy systems & slow processes

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gives IT executives visibility into
codebases, IT teams & processes

If you can't measure it, you can't improve it. *– Peter Drucker*

From “dark data” to enlightened decisions

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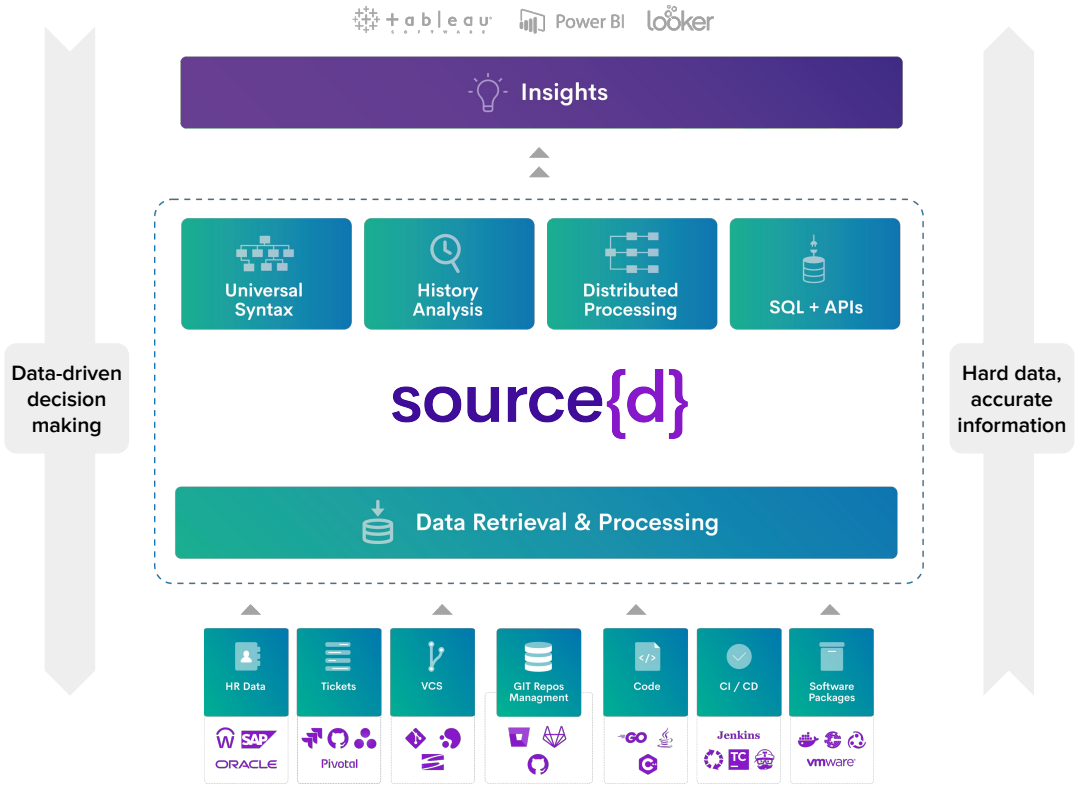

CODEBASES

Center scattered codebases into a single source of truth. Make wiser use of existing technology, reduce duplication of software assets. Accelerate IT modernization & Cloud Migration.

TEAMS

Quickly assess your talent pool, knowledge gaps and effectively manage your teams with data-driven KPIs

PROCESSES

Identify patterns, drive innovation and collaboration in your organization

Component overview

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TECH STACK

Enterprise	Data Processing: Apache Spark	Infrastructure Deployment: Kubernetes, Helm
Data Visualization	Apache Superset	
Data Analysis	Gemini	Babelfish, Gitbase, Hercules
Data Retrieval	gitcollector	go-borges, go-git, go-siva

Powerful analyses on demand

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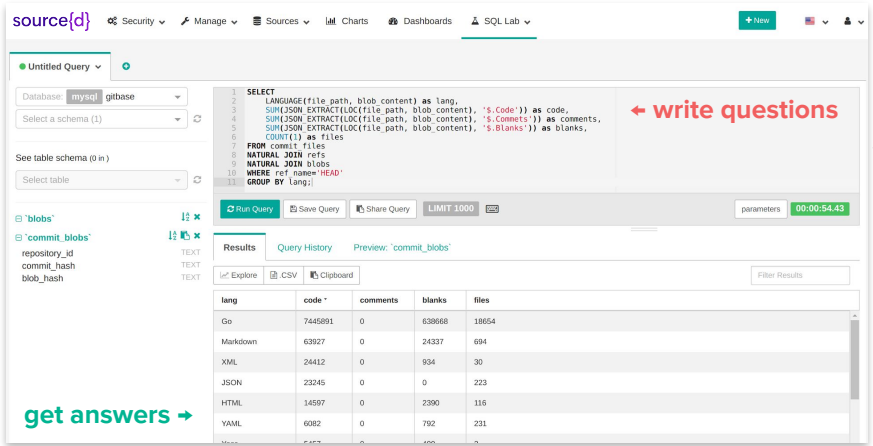
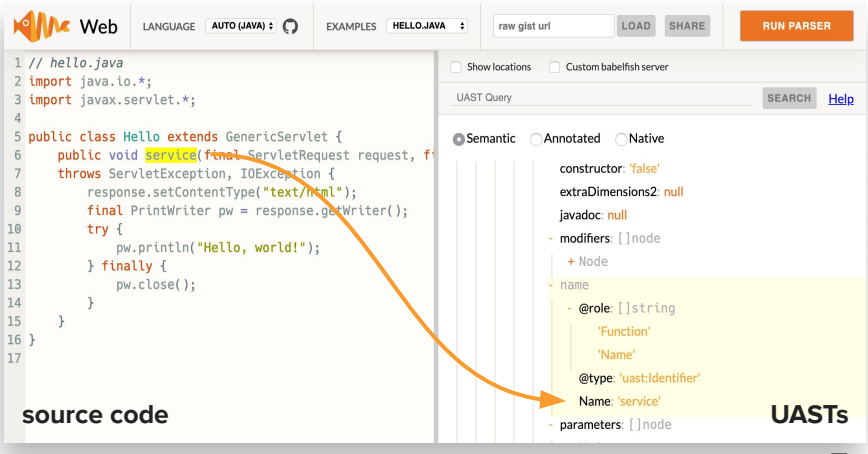
ACCESSIBLE

Quickly answer your most complex questions
Empower your teams through SQL queries



LANGUAGE AGNOSTIC

Universal ASTs* enable deep & wide analyses across programming languages through semantic concepts



* Universal ASTs were developed by source{d} as a language agnostic layer on top of source code, analyze source code independent of the diversity of programming languages

Machine Learning on Source Code

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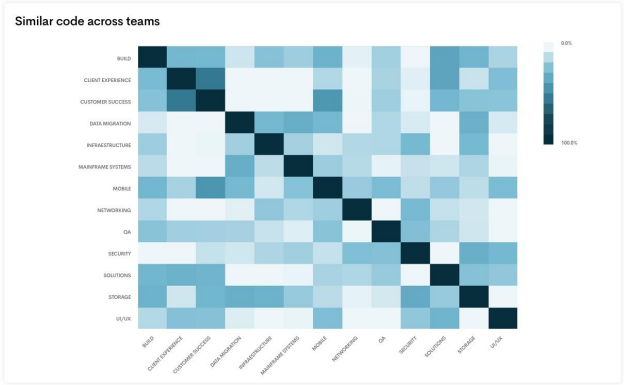
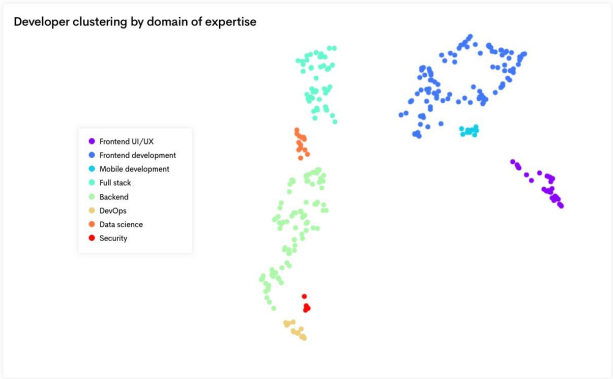
- **Expertise Assessment**: measuring Topic Modelling, Code Ownership, Identifier embeddings, etc
- **Similar & Duplicate Code Analysis:** extracting the natural language elements in code (how developers choose to name entities, for example) and the structure of the code
- **Collaboration Assessment:** Exploring the topological structure of commit activity, usage of programming languages and topics of source code identifiers
- **Identity matching**: building connected components and applying clustering techniques
- **Code Representation**: researching the best ways to encode code to have a strong foundation on which to build further products.





Solving key enterprise challenges for IT execs

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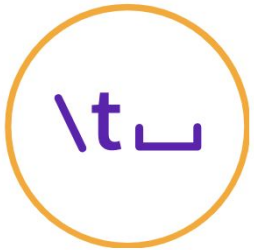
IT Modernization & Compliance

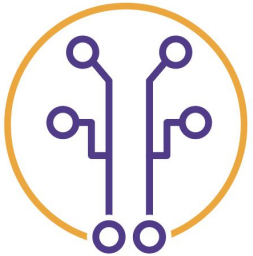


Chief Architects, VP of IT Applications

Cloud Native & DevOps Transformation

Chief Architects, Head of Continuous Delivery

Engineering Effectiveness & Efficiency



Head of Developer Experience, VP of IT Operations

Talent Assessment & Management

VP and Director of Engineering