



Microsoft



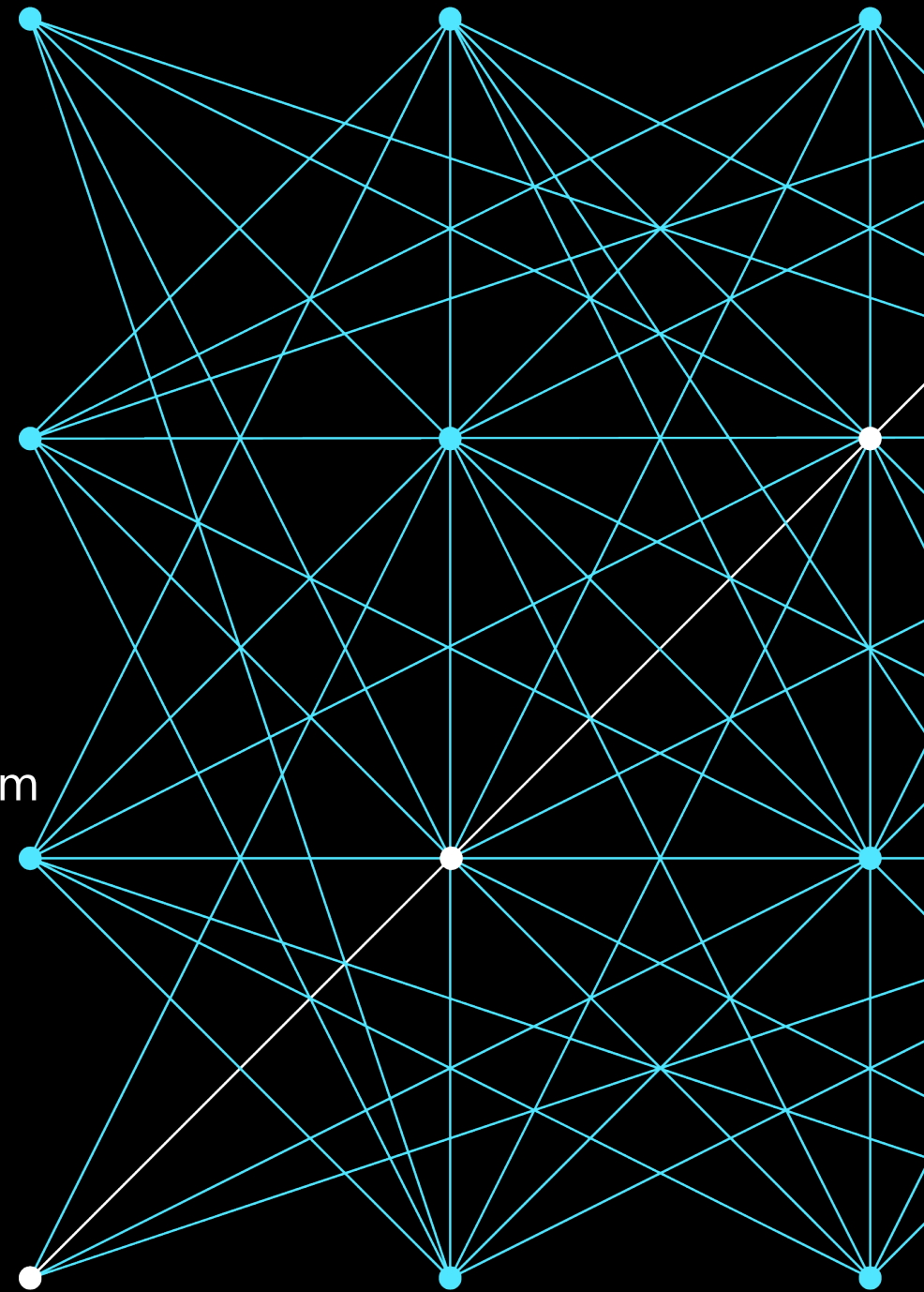
ClearlyDefined

ClearlyDefined: Clear license data for open source

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clearlydefined.io



Why ClearlyDefined?

Everyone who uses open source needs good data

- Using any open source components comes with responsibilities for compliance
- When you're using lots of components it gets messy quickly
- Compliance relies on having 3 pieces of data:
 - License
 - Source location
 - Copyright information

**Even if you're
not an
enterprise
company you
still need good
data**

- All open source projects are built on other open source – that's what makes it great!
- Building on other open source inherits the gaps in data that were already there
- You inherit the gaps of your dependencies

Compliance systems need good data

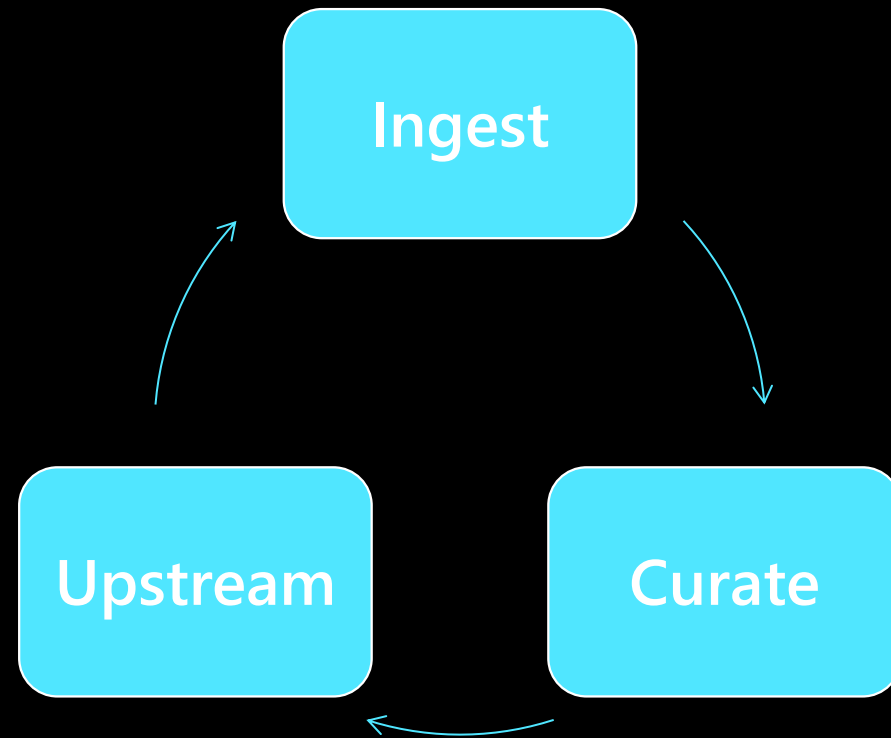
- Across companies and organizations, compliance systems rely on good data
- You can't disclose your source, make a NOTICE file, or make high fidelity decisions unless you know what you're using and what it is

Some background

Compliance systems of the past don't work for today

- Integrated systems aren't able to adapt to the quickly changing ecosystems of open source
- Feedback from communities is important

Virtuous cycle





Search packages

Search

Sign Up

jquery DT

3.6.0 • Public • Published 7 months ago

Readme

Explore BETA

0 Dependencies

18,035 Dependents

53 Versions

jQuery

jQuery is a fast, small, and feature-rich JavaScript library.

For information on how to get started and how to use jQuery, please see [jQuery's documentation](#). For source files and issues, please visit the [jQuery repo](#).

If upgrading, please see the [blog post for 3.6.0](#). This includes notable differences from the previous version and a more readable changelog.

Including jQuery

Below are some of the most common ways to include jQuery.

Browser

Script tag

Install

```
> npm i jquery
```

Repository

github.com/jquery/jquery

Homepage

jquery.com

Weekly Downloads

4,469,790



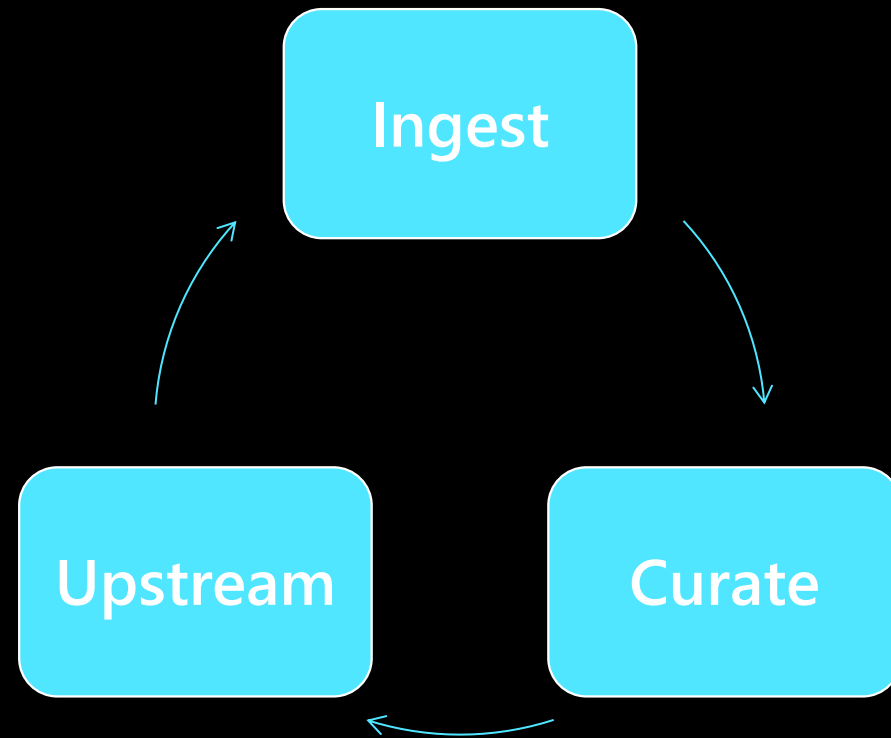
Version

3.6.0

License

MIT

Virtuous cycle



jQuery 1.8.0 #14764

Edit <> Code

Open LandOfBliss wants to merge 1 commit into master from LandOfBliss_211015_183443.977

Conversation 1 - Commits 1 Checks 1 Files changed 1 +3 -0



LandOfBliss commented 31 minutes ago

Member

Type: Missing

Summary:
jQuery 1.8.0

Details:
Looked in ClearlyDefined. Nuspec file license link is MIT
Nuget license field links to MIT
Nuget project source code links to JQuery home page.

Resolution:
Declared license is MIT

- Affected definitions:
- jQuery 1.8.0

Reviewers

Suggestions
clearlydefinedbot Request

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

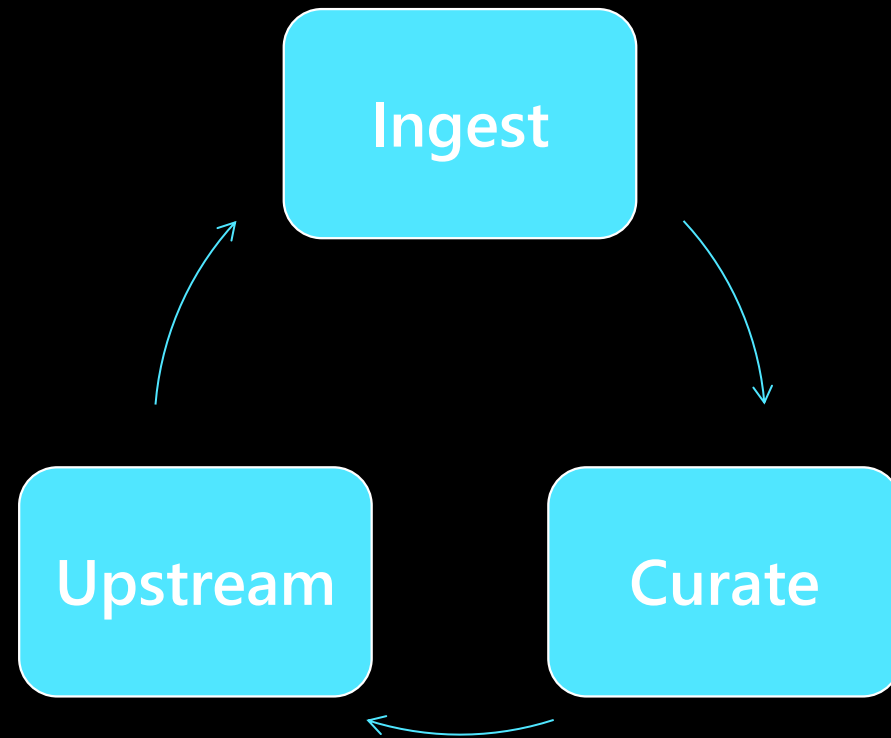
Milestone

No milestone

Update curations/nuget/nuget/~/jQuery.yaml

22be41d

Virtuous cycle



Microsoft's compliance

Microsoft's internal compliance systems

- Microsoft depends on ClearlyDefined for all its license data on all the open source in use across the entire company
- All business and risk decisions around open source are made based on data from ClearlyDefined
- All Microsoft's compliance work is centered on high fidelity data

Compliance systems

But what about...?

- FOSSA
- ORT
- SPDX

These systems are all great and are complementary to ClearlyDefined!

We're focused on the **data**.

Using ClearlyDefined

Using ClearlyDefined

- UI
- API









Note: ClearlyDefined is currently undergoing a UI redesign and will look different in the near future

[Fix something](#)Type

Browse

[Revert Changes](#) [Toggle Collapse](#) [Contribute](#)

Filter / Sort: License

	agi 0.0.1 21 NOASSERTION	Q ↗ ↶
	gtl-sluggable 0.1.0 15	Q ↗ ↶
	gtl-sluggable 0.3.0 15	Q ↗ ↶
	gtl-sluggable 0.2.0 15	Q ↗ ↶
	gtl-sluggable 0.0.0 15	Q ↗ ↶
	i18n_yaml_sorter_2 0.3.0 53 MIT	Q ↗ ↶
	rescrv/hyperdex 148334d53e76cc03808... 88 BSD-3-Clause	Q ↗ ↶
	super-app 0.0.1 15	Q ↗ ↶



Fix something ▾

Type ▾

Component search...

Browse

Revert Changes Toggle Collapse Contribute

Filter / Sort: sort:releaseDate

	License	Sort By ▾
agi 0.0.1 21 NOASSERTION		
gtl-sluggable 0.1.0 15		
gtl-sluggable 0.3.0 15		
gtl-sluggable 0.2.0 15		
gtl-sluggable 0.0.0 15		
i18n_yaml_sorter_2 0.3.0 53 MIT		
rescrv/hyperdex 148334d53e76cc03808... 88 BSD-3-Clause		
super-app 0.0.1 15		



clearlydefined.io



Fix something

Type rand

- rand
- rand-rspec
- rand-number
- rand-range
- rand-stream
- pure-rand
- seed-rand

Browse

Filter / Sort: type:crate X sort:releaseDate-desc

	openssl-sys 0.9.67 53
	MIT
	http 0.2.5 88
	MIT OR Apache-2.0
	tokio 1.12.0 52
	MIT
	serde-xml-rs 0.5.1 80
	MIT
	bstr 0.2.17 87
	MIT OR Apache-2.0
	path-absolutize 3.0.11 80
	MIT
	memmap2 0.5.0 80
	MIT OR Apache-2.0
	ntex-amqp 0.5.1 45
	MIT

Sort By

Contribute



[Fix something](#)

Type ▾

Component search...

Browse

[Revert Changes](#)[Toggle Collapse](#)[Contribute](#)**Filter / Sort:** type:crate X sort:releaseDate-desc X name:rand X

License

Sort By ▾

	rand 0.8.4 80	
	MIT OR Apache-2.0	code search share refresh
	rand 0.8.3 45	
	MIT OR Apache-2.0	search share refresh
	rand 0.8.2 97	
	Apache-2.0 AND MIT	code search share refresh
	rand 0.8.1 87	
	Apache-2.0 AND MIT	code search share refresh
	rand 0.8.0 87	
	Apache-2.0 AND MIT	code search share refresh
	rand 0.7.3 52	
	Apache-2.0 AND MIT	search share refresh
	rand 0.7.2 97	
	Apache-2.0 AND MIT	code search share refresh
	rand 0.7.1 97	
	Apache-2.0 AND MIT	code search share refresh

https://clearlydefined.io/definitions/crate/cratesio/-/rand/0.8.2



ClearlyDefined

Workspace

Harvest

About

Stats

Docs

Login



rand



Contribute

0.8.2

97 Harvested

Described 100

Source <https://github.com/rust-random/rand/tree/6a6b...>

Release 2021-01-13

Facets

data

dev

doc

examples

tests

Tools clearlydefined/1.2.0, licensee/9.13.0, scancode/3.2.2

Curations

No curations found for this component

Licensed 94

Declared Apache-2.0 AND MIT

Discovered Apache-2.0, Apache-2.0 AND MIT, Apache-2.0 OR MI...

Attributions Copyright 2018, Copyright 2013 The Rust Project, C...

Files Total: 33, Licensed: 29 (88%), Attributed: 25 (76%)

https://clearlydefined.io/definitions/crate/cratesio/-/rand/0.8.2



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ClearlyDefined Uses 3 Tools to Harvest Data

- ClearlyDefined (our own tool)
- Licensee
- Scancode

ClearlyDefined Uses 3 Tools to Harvest Data

- ClearlyDefined (our own tool)
- Licensee
- Scancode

We then merge the results of these three tools and determine the **most likely license** for a component

https://clearlydefined.io/definitions/crate/cratesio/-/rand/0.8.2



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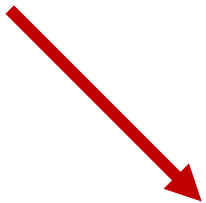
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ClearlyDefined License Fields

- **Declared** – this is the license that most likely applies to the component as a whole.
- **Discovered** – licenses we discovered on files in the component –
 - which may include licenses not in the declared field
 - Example: a project that ships with docs that are licensed under the Creative Commons license, but the project itself is under the Apache 2 license

**Most interactions with ClearlyDefined's
data are through our public API**

https://clearlydefined.io/definitions/crate/cratesio/-/rand/0.8.2



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ClearlyDefined Coordinates

<https://clearlydefined.io/definitions/crate/cratesio/-/rand/0.8.2>

Coordinates



ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2

- **Type**
- **Provider**
- **Namespace**
- **Name**
- **Revision**

ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2

- **Type:** crate
- **Provider:** cratesio
- **Namespace:** -
- **Name:** rand
- **Revision:** 0.8.2

ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2



Type

- The type of component
- Clearly Defined currently supports these types...
 - Git
 - Maven
 - Crate
 - Npm
 - Nuget
 - Pod
 - Composer
 - Rubygem
 - Deb
- Support for Go components is on the way!

ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2



Provider

- Where the component can be found
- Clearly Defined supports these providers...
 - central.maven.org
 - crates.io
 - maven.google
 - npmjs.org
 - github.com
 - nuget.org
 - gitlab.com
 - packagist.org
 - cocoapods.org
 - ftp.debian.org
- And we would love to add more!

ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2



Namespace

- Many (but not all) component systems have namespaces
 - GitHub org
 - NPM namespace
 - Etc.
- Example: npm/npmjs/@octokit/types/6.3.0
- When a component system does **not** use namespaces, use a "_"
- Example: crate/cratesio/-/rand/0.8.2



ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2



Name

- Name of the component

ClearlyDefined Coordinates

crate/cratesio/-/rand/0.8.2

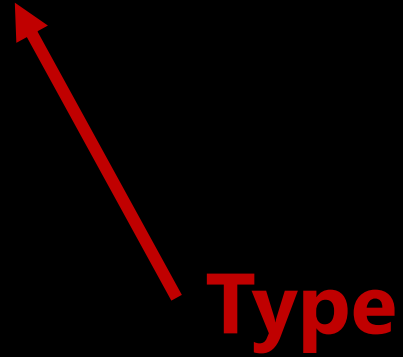


Revision

- Version number
- For Git components, we use a commit ID
- Example:
git/github/octokit/types.ts/651abdabb6b7859c6103f3298f26980c85a6a1de

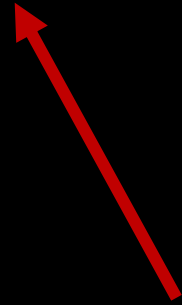
ClearlyDefined Coordinates

npm/npmjs/@octokit/types/6.3.0



ClearlyDefined Coordinates

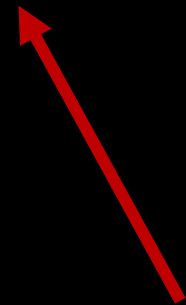
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Provider

ClearlyDefined Coordinates

npm/npmjs/@octokit/types/6.3.0



Namespace

ClearlyDefined Coordinates

npm/npmjs/@octokit/types/6.3.0



Name

ClearlyDefined Coordinates

npm/npmjs/@octokit/types/6.3.0

Revision



API Endpoint

<https://api.clearlydefined.io>

API Endpoint

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- Allows you to automate ClearlyDefined checks for all your OSS components

API Endpoint

<https://api.clearlydefined.io>

- Allows you to automate ClearlyDefined checks for all your OSS components
- More information
 - API Overview: <https://docs.clearlydefined.io/using-data>
 - API Docs: <https://api.clearlydefined.io/api-docs/>

Use ClearlyDefined and join its community

How you can help

How you can help

- Biweekly community and curation meetings
- Join the community:
 - github.com/clearlydefined
 - [Discord](#)
 - [Google Groups: clearlydefined@googlegroups.com](mailto:clearlydefined@googlegroups.com)

How you can help

- Contribute Code
 - <https://docs.clearlydefined.io/contributing-code>
- Contribute Data
 - <https://docs.clearlydefined.io/contributing-data>

Contact us

Nell – @nellshamrell, nells@microsoft.com

Carol – @fossygrl, carols@microsoft.com