

Tag Immutability

Guaranteeing immutability of version control system
tags using blockchain

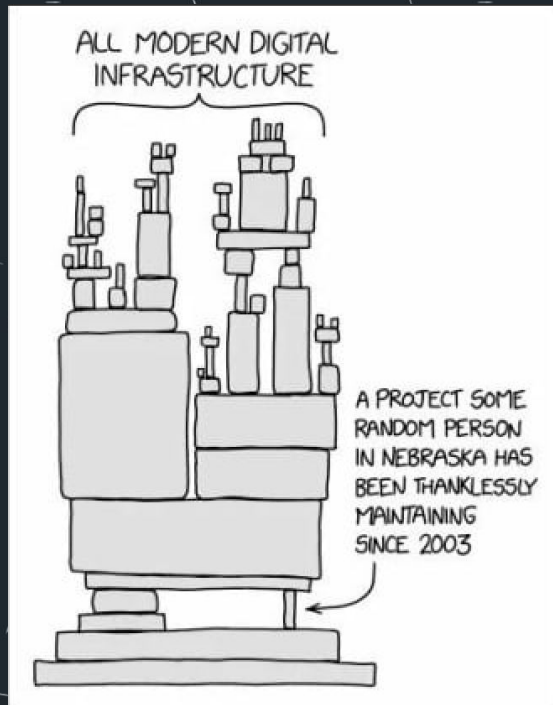
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What are tags?

The screenshot shows the GitHub interface for the `resilientdb/resilientdb` repository. The `Tags` tab is selected, displaying a list of five tagged versions. Each tag entry includes the version number, a link to the tag page, the release date, the commit hash, and download links for zip and tar.gz files. A `Verified` badge is present for versions v3.0, v2.1, and v1.0.

Version	Release Date	Commit Hash	Files	Verified
v3.0	on Sep 30	c4ab335	zip, tar.gz, Notes	Yes
v2.1	on Apr 13	babcdfa	zip, tar.gz, Notes	Yes
v2.0	on Feb 29, 2020	51dae9c	zip, tar.gz	No
v1.1	on Dec 5, 2019	86e1701	zip, tar.gz	No
v1.0	on Nov 24, 2019	1d6a62d	zip, tar.gz	Yes

Why make tags immutable?

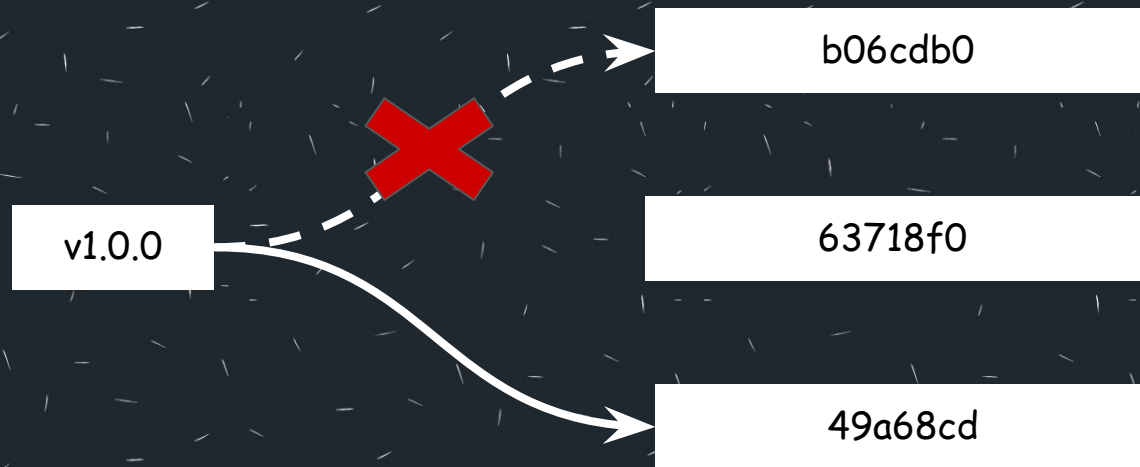


<https://xkcd.com/2347>

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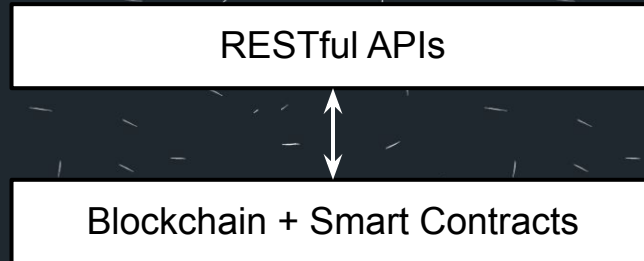


Our Solution

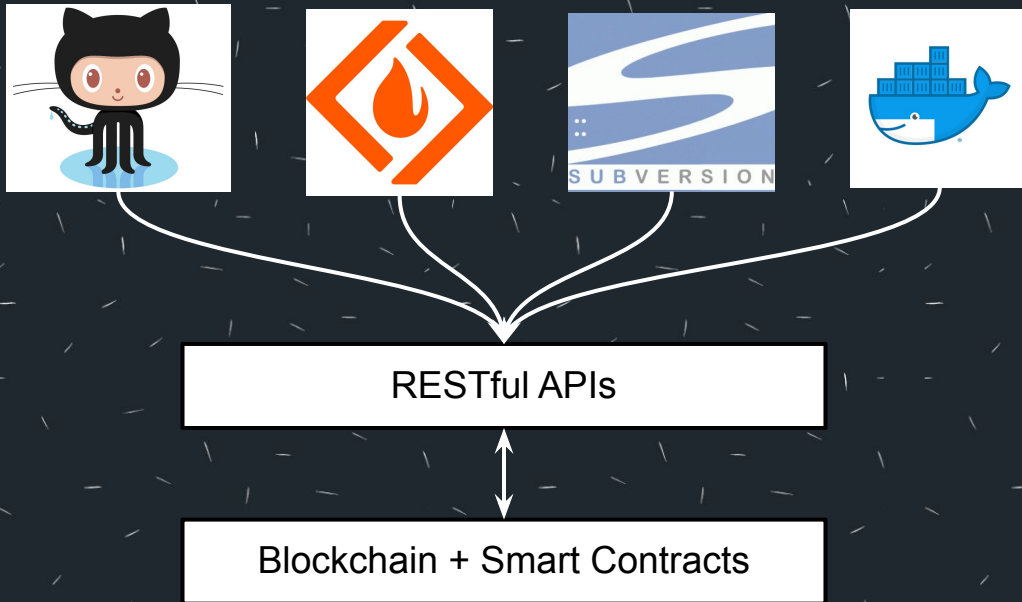
Our Solution

Blockchain + Smart Contracts

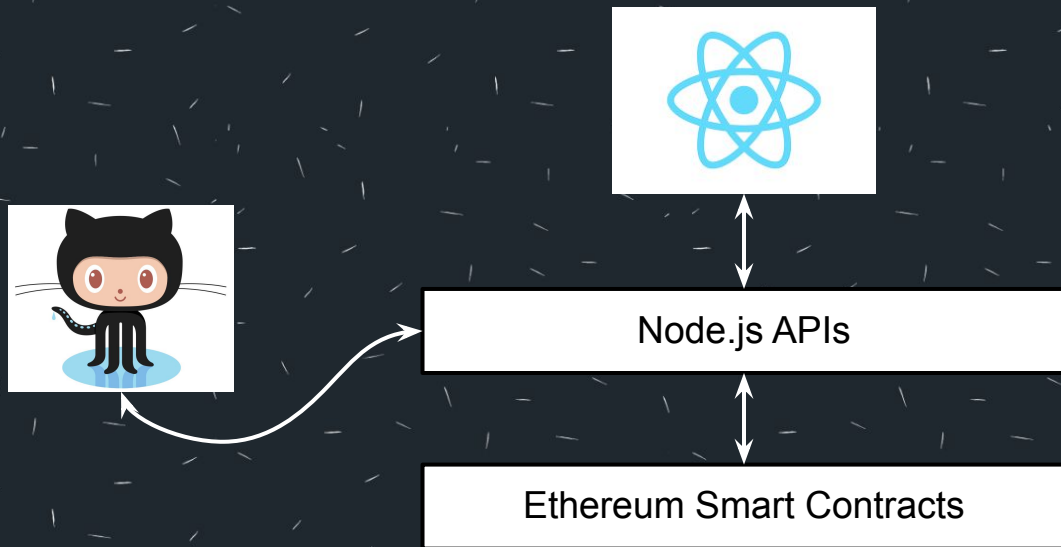
Our Solution



Our Solution



Our Solution



Demo

Q&A

Links

- Documentation: <https://github.com/Immutable-Tag/docs>
- Get the code: <https://github.com/Immutable-Tag>
- This presentation:

https://github.com/Immutable-Tag/docs/blob/main/Tag_Immutability.pdf

Thank You!