oh no, npmjs is offline (again)

status.npmjs.org

Registry reads have diminished service

Incident Report for npm, Inc.

Investigating   Scoped packages and replicate.npmjs.com are both seeing partial outages

Posted 25 days ago. Apr 19, 2019 - 19:52 UTC

This incident affected: Registry Reads and replicate.npmjs.com.

← Current Status   Powered by Statuspage

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Intermittent issues with the Security Audit with ENOAUDIT reported in the CLI

Incident Report for npm, Inc.

SUBSCRIBE TO UPDATES

Identified   The issue has been identified and a fix is being implemented.

Posted about 13 hours ago. May 16, 2019 - 16:15 UTC

← Current Status   Powered by Statuspage

npm.community/t/enoaudit-from-registry-npmjs-org-503/4642

npm ERR! code ENOAUDIT
npm ERR! audit Your configured registry (https://registry.npmjs.org/) does not support audit requests.

error An unexpected error occured: "https://....tgz": Request failed "503 Service unavailable"

bad things can happen - are you prepared?

- different maintainer(s) (event-stream)
- malware / malicious packages (flatmap-stream)
- deleted packages (left-pad, kik)
- outages / no internet
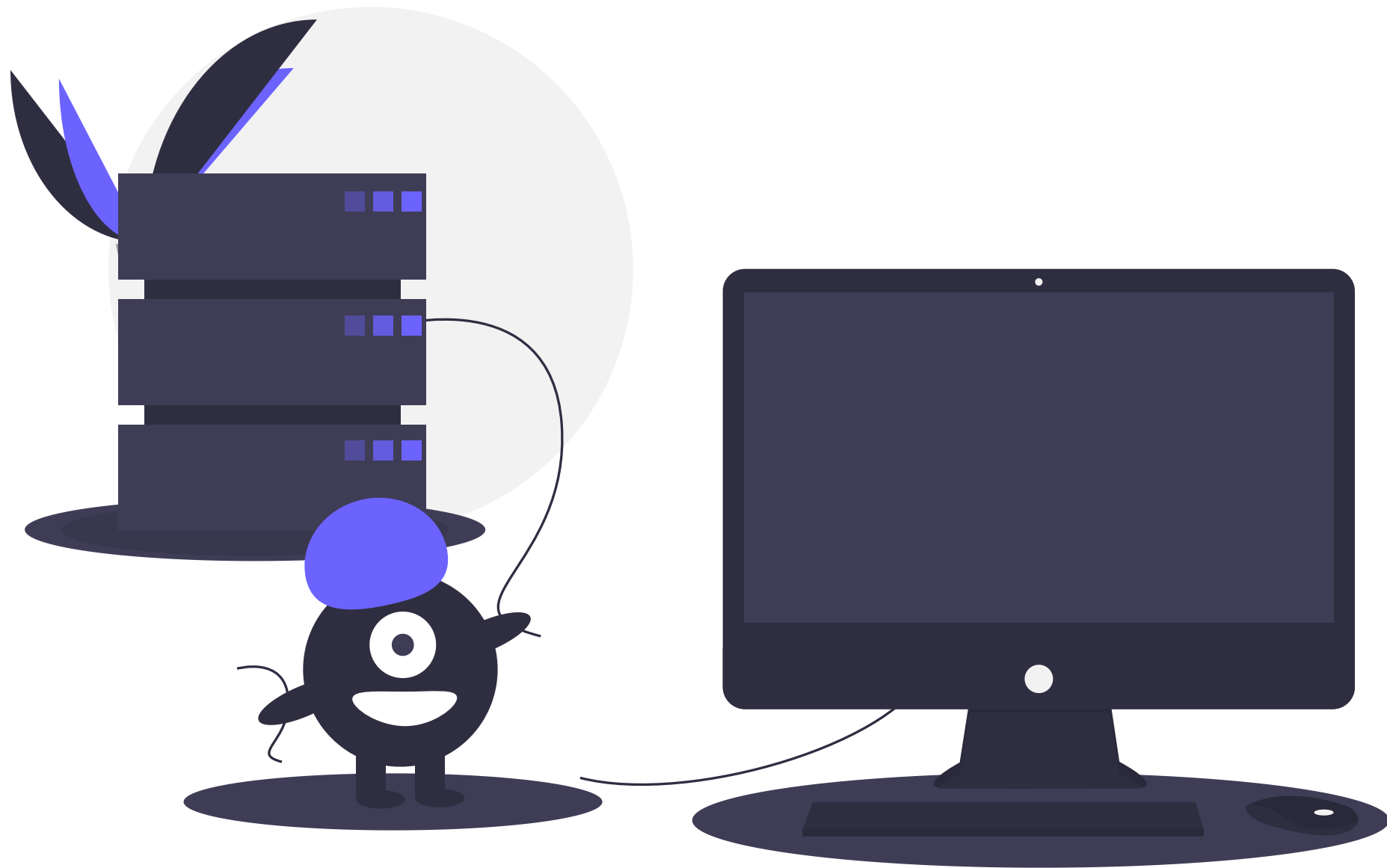
github.com/dominictarr/event-stream/issues/116

☐ dominictarr / **event-stream** `Archived` ✓

⊙ Watch ▾ ★ Star 2,064 ⑂ Fork

<> Code ⊙ Issues **7** ⨍ Pull requests **0** ▦ Wiki ⬭ Releases More ▾

I don't know what to say. #116

🛇 Closed FallingSnow opened this issue on 20 Nov 2018 · 666 comments

FallingSnow (Ayrton Sparling) on 20 Nov 2018 · edited ▾ ···

◀× Unsubscribe ⚙

Mark as unread

EDIT 26/11/2018:

- **Am I affected?:**
  If you are using anything crypto-currency related, then maybe. As discovered by **@maths22**, the target seems to have been identified as copay related libraries. It only executes successfully when a matching package is in use (assumed to be copay at this point). If you are using a crypto-currency related library and if you see `flatmap-stream@0.1.1` after running `npm ls event-stream flatmap-stream`, you are most likely affected. For example:

344 participants

and others

```
$ npm ls event-stream flatmap-stream
...
flatmap-stream@0.1.1
...
```
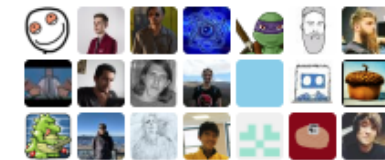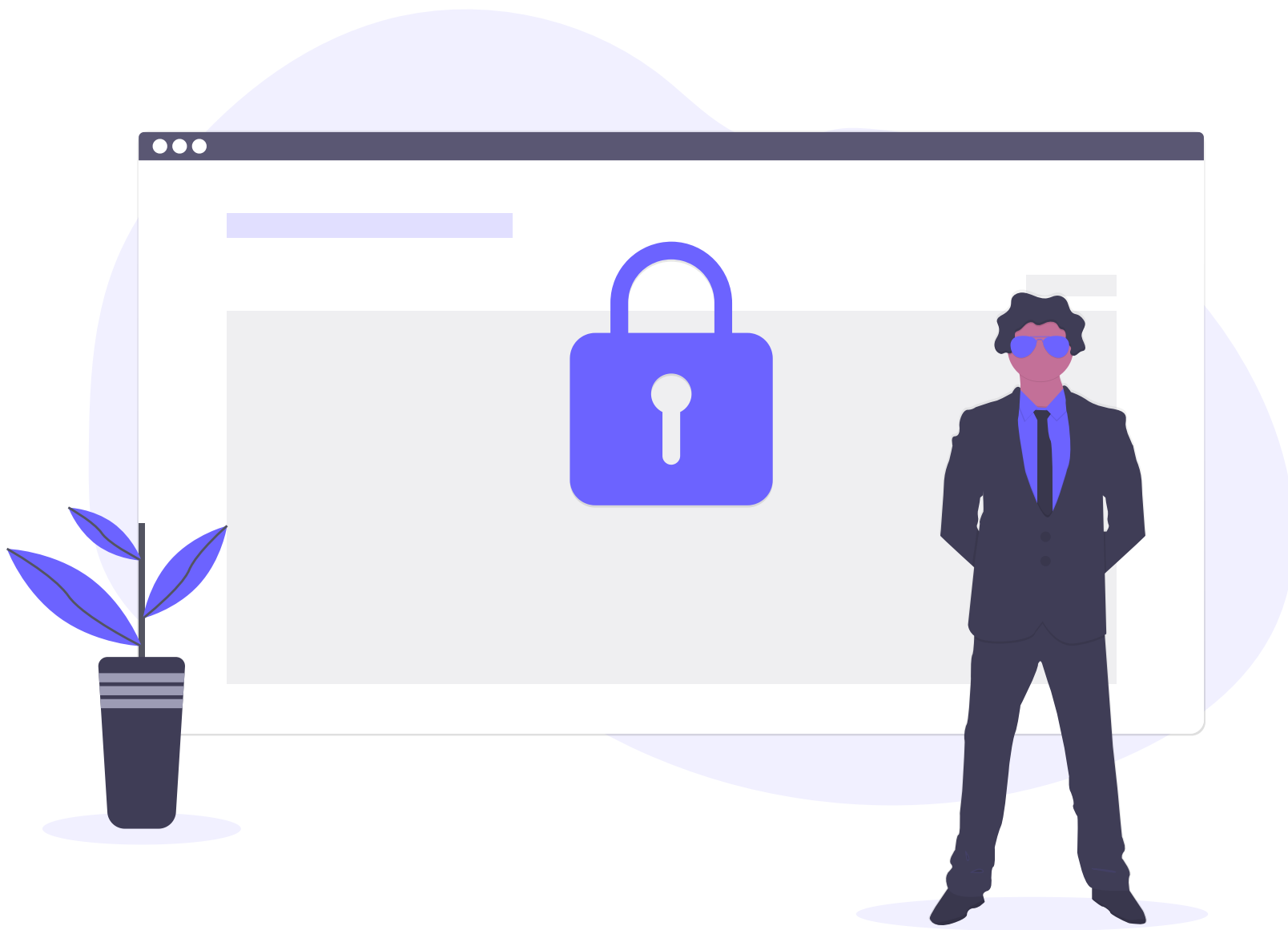
malware / malicious packages:
YARA rules and malware scanners

deleted packages:
caches and mirrors

outage / no internet:
an alternative (local) registry

```
1   rule flatmap_stream_malware : npm
2   {
3       meta:
4           created_at = "2019/03/13"
5           author = "Daniel Ruf"
6       strings:
7           $my_text_string = "5f636f6d70696c65"
8           $my_text_string_2 = "6372656561174654465636970686572"
9       condition:
10          $my_text_string or $my_text_string_2
11  }
```

mirror for npm Enterprise

Mirroring the Public Registry

A full mirror will copy all packages from the public registry to your npm Enterprise server. Enable this by setting `policy to apply during replication` to `mirror` in npm Enterprise admin console (`http://myreg.mycompany.com:8800`).

Note: Full mirror of public registry is no longer supported as the size of public registry has gotten too large and in addition to that no customer is using every package available in the public registry. Thus we recommend users to set white-list policy along with Read Through Cache set to Yes.

For more details regarding `white-list` policy see Whitelisting Packages

what if npm, Inc. would close its doors?

- new leadership / CEO since August 2018
- many of original team left
- also the original CTO

twitter.com/fharper/status/1125774297241407489
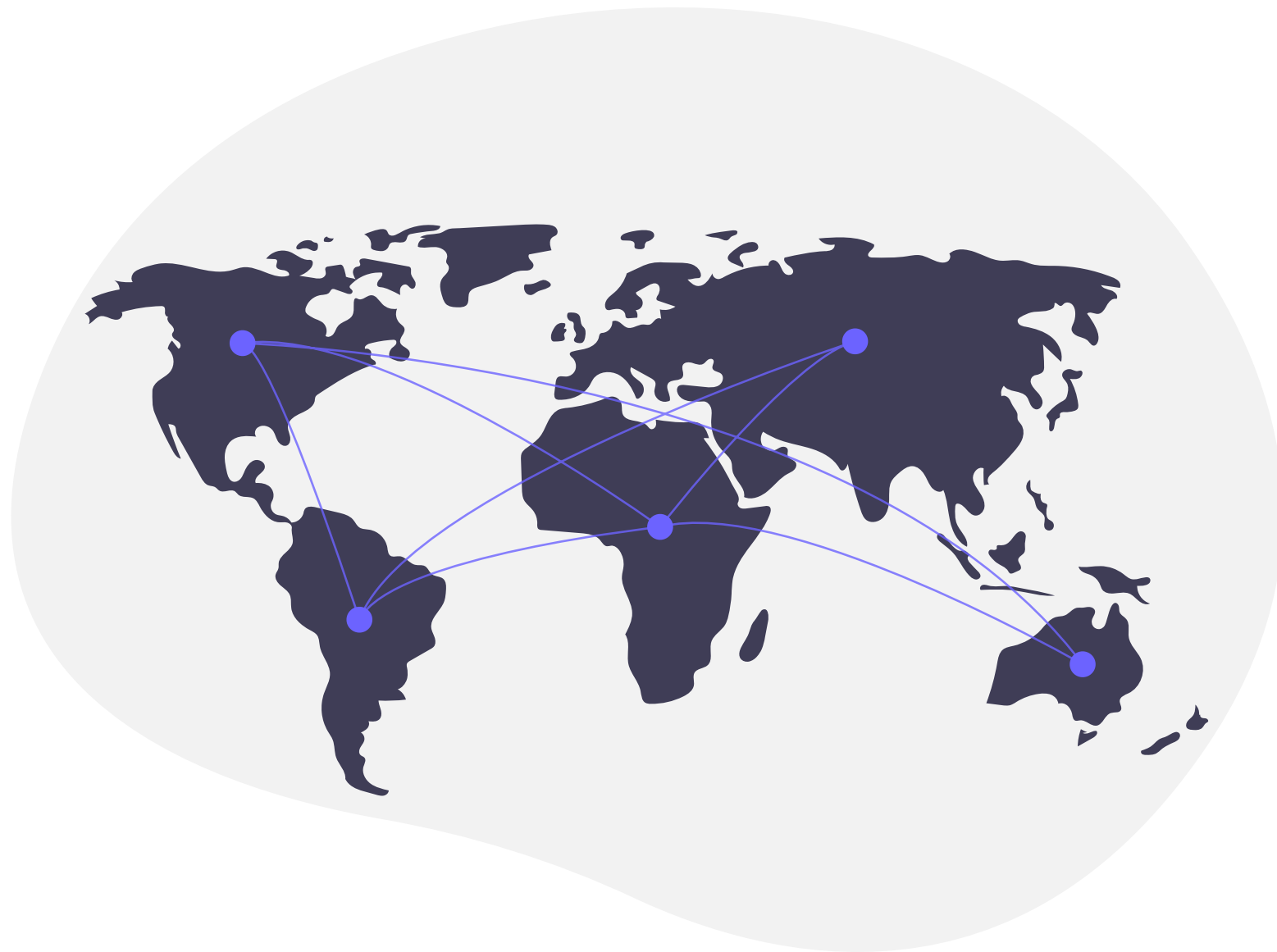
fact:
npmjs is the SPOF (Single Point of Failure)

solution:
independent registries

does GitHub work on something?

GitHub / Microsoft announces GitHub Package Registry (GPR)
twitter.com/github/status/1126949311848288256

supported registries

- npm
- Docker
- Maven
- NuGet
- RubyGems
- packagist?

also in GitLab Premium and Silver

GitLab NPM Registry

Introduced in GitLab Premium 11.7.

we can use the features of the npmjs clients

- caches
- --prefer-offline flag
- reuse packages (pnpm uses symlinks)
- better offline support (yarn, yarn v2 (berry), npm 5+, pnpm)

solutions

- Artifactory
- open-registry
- IPFS / P2P / Scuttlebutt
- other (decentralized) solutions
- Verdaccio (fka Sinopia)

addyosmani.com/blog/using-npm-offline

Offline installation of npm packages

JANUARY 2, 2016

A lightweight private npm proxy registry

<> Code   ⊙ Issues **57**   ⑂ Pull requests **9**   ▤ Projects **3**   ▦ Wiki   ◌ Releases **180**   More ▾

📦 🔒 A lightweight private npm proxy registry   verdaccio.org

nodejs   npm   registry   private-npm   verdaccio   sinopia   yarn   npmjs   docker-image   registry-proxy   docker   backer

npm-registry

⊙ **3,158** commits   ⑂ **9** branches   ◌ **180** releases   ⚇ **158** contributors   ⚖ **MIT**   ⊜ **25.81** MB

Branch: **master** ▾   ⬚ **v4.0.0-beta.8**

Create new file   Find File   Clone or download ▾

use cases

- E2E Testing
- Caching strategies
- GitHub Actions
- Remote Registries (Uplinks)

plugins

- Authentication
- Middleware
- Storage
- UI Theme

Authentication plugins

verdaccio-bitbucket, verdaccio-bitbucket-server, verdaccio-ldap, verdaccio-active-directory, verdaccio-gitlab, verdaccio-gitlab-ci, verdaccio-htpasswd, verdaccio-github-oauth, verdaccio-github-oauth-ui

Middleware plugins

verdaccio-audit, verdaccio-profile-api

Storage plugins

verdaccio-memory, verdaccio-s3-storage, verdaccio-google-cloud

who uses Verdaccio?

pnpm, create-react-app, Storybook, Mozilla Neutrino, Gatsby, Uppy, Aurelia Framework, bit, Hyperledger Composer, Wix Yoshi

```
yarn global add verdaccio
npm install --global verdaccio

docker pull verdaccio/verdaccio
helm install --name npm stable/verdaccio
```

npm / pnpm set registry https://registry.example.com
yarn config set registry https://registry.example.com

npm adduser --registry https://registry.example.com
npm profile set password --registry https://registry.example.com

live demo

The crazy story of Verdaccio by Juan Picado

thanks for your attention!

illustrations from undraw.co