

PNPM & Pre-commit Improvement

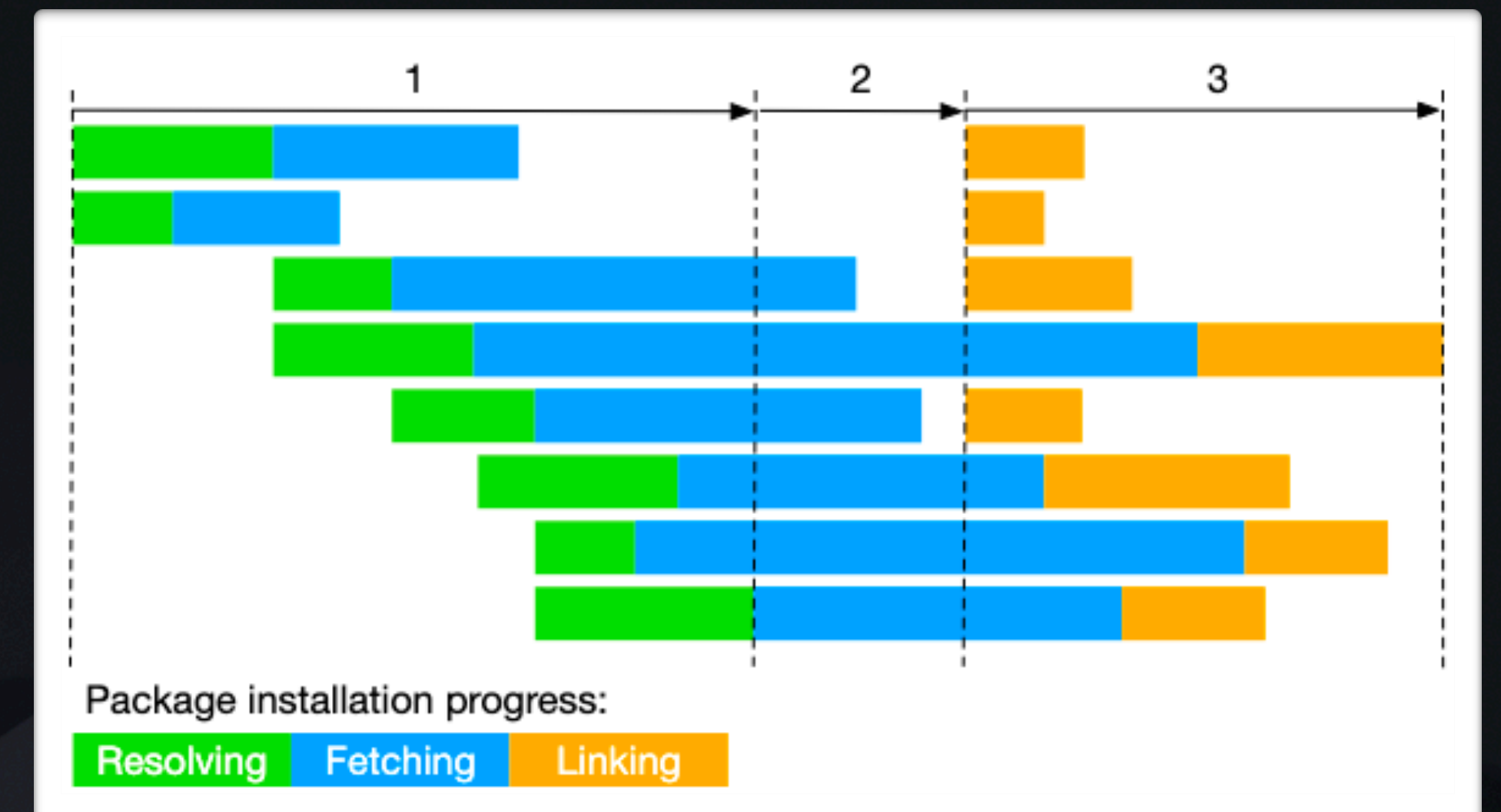
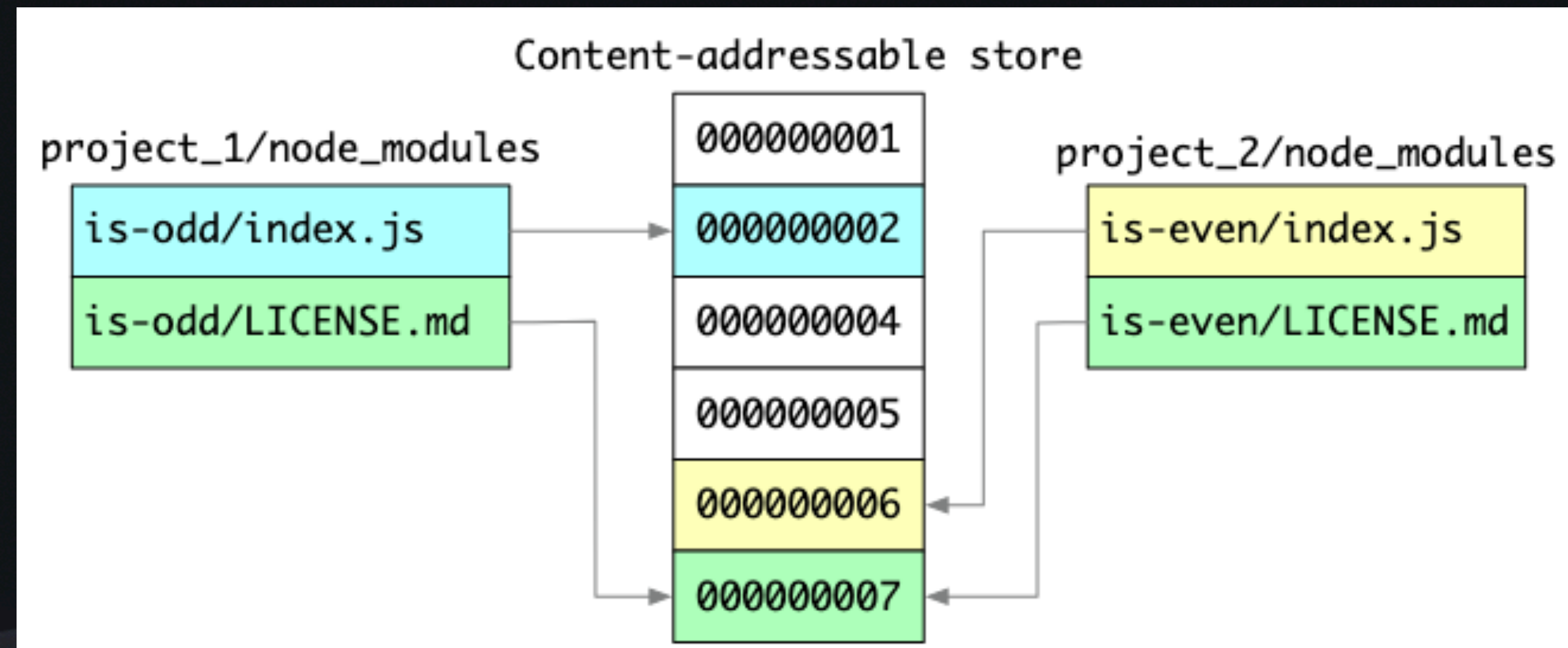
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PNPM

Fast, disk space efficient package manager

PNPM

- pnpm is up to 2x faster than npm
- Efficient storage (npm: 756.6 MB => pnpm: 607.9 MB by MyRental)
- Supports monorepos



Feature Comparison

<https://pnpm.io/feature-comparison>

Who use PNPM

- Microsoft
- ByteDance
- Shop
- Vue.js

Installation

- Compatibility: Node.js v16
- `npm install -g pnpm`
- `rm -rf node_modules`
- `pnpm import //` Generates a `pnpm-lock.yaml`
- `pnpm install //` Just like `npm install`

CI

- `npm install -g pnpm`
- `npm install -> pnpm install`

Corepack

An experimental tool to help with managing versions of your package.

<https://nodejs.org/api/corepack.html>

Demo

Q&A

Pre-commit check 7x faster

eslint, style-lint, TypeScript and testing

<https://thoughtspile.github.io/2021/06/14/faster-pre-commit/>

Pre-commit Improvement

- `eslint --cache //` 50s -> 28s.
- Add `.stylelintcache` and `.eslintcache` in `.gitignore`
- `tsc --noEmit --incremental //` 28s -> 7s

Pre-commit Improvement

- concurrently checking (30s -> 28s)
- `jest --onlyChanged`

Demo

Q&A

Thank You for Listening
Happy Lunar New Year 