

How To Grow Your Internal Backstage Community with OpenSaucedec





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Why is it important

Hype is real



Not confident



Happy contributors



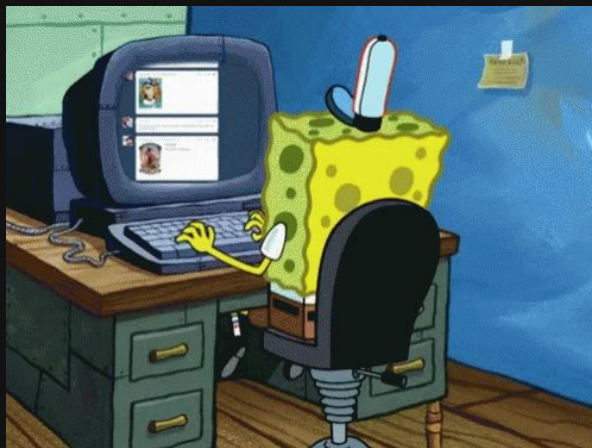
Releasing



Potential hurdles

Communication with end user

Release notes



Changesets



Let's have a look!



Pull Request Inbound

5 ■■■■■ .changeset/tall-trainers-breathe.md

... @@ -0,0 +1,5 @@

1 + ---
2 + '@internal/backstage-plugin-sauce-backend': minor
3 + ---
4 +
5 + Added a `/health` endpoint to sauce backend

Conversation

Commits

Checks

Files changed

djamaile commented 2 days ago · edited ▾

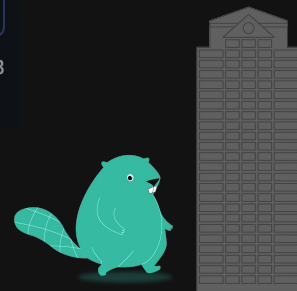
...

This endpoint will change everything!

chore: add health endpoint to sauce backend ...

Unverified

✓ cfd0738



Backstage Action

```
- uses: backstage/actions/changeset-feedback@v0.6.11
  name: Generate feedback
  with:
    diff-ref: 'origin/${{ github.event.pull_request.base.ref }}'
    marker: <!-- changeset-feedback -->
    issue-number: ${{ github.event.pull_request.number }}
    bot-username: bcon2024-changeset-feedback[bot]
    app-id: ${{ secrets.CHANGESET_FEEDBACK_APP_ID }}
    private-key: ${{ secrets.CHANGESET_FEEDBACK_PRIVATE_KEY }}
    installation-id: ${{ secrets.CHANGESET_FEEDBACK_INSTALLATION_ID }}
    multiple-workspaces: false
```



Compiling Changesets

```
19 docs/releases/v1.0.0-changelog.md
... @@ -0,0 +1,19 @@

1 + # Release v1.0.0
2 +
3 + ## @internal/backstage-plugin-sauce-common@0.2.0
4 +
5 + ### Minor Changes
6 +
7 + - d3b81f2: Add `get()` to SauceApi
8 +
9 + ## @internal/backstage-plugin-sauce-react@0.2.0
10 +
11 + ### Minor Changes
12 +
13 + - ea68eb0: Add DatePicker component in sauce library
14 +
15 + ## @internal/backstage-plugin-sauce@0.1.1
16 +
17 + ### Patch Changes
18 +
19 + - 81c687d: Add different person to object
```

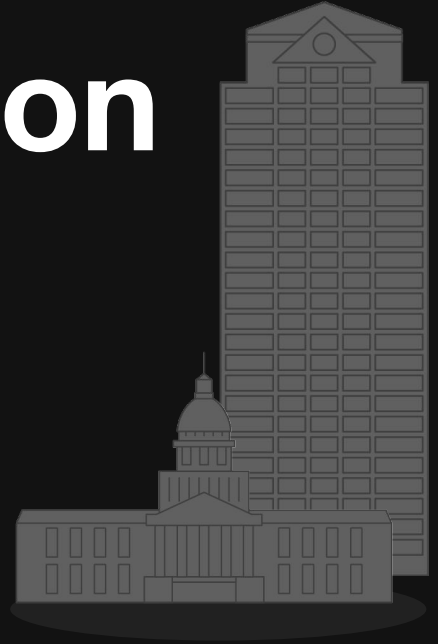


Continuously Integration inefficient



mhentges 🦀 2:41 PM

The build time is sooo slow man



Investigation

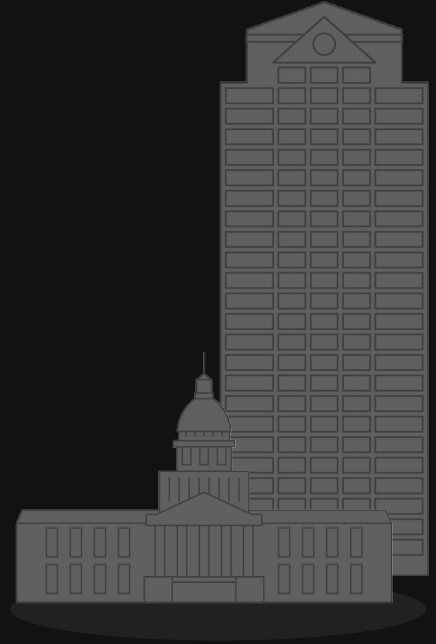


How to fix?!

Backstage Action!



Plugin ownership



Why is it needed

Code

Blame

5 lines (5 loc) · 298 Bytes

```
1      *                                @opensauce-demo/sauce-infra
2      plugins/sauce-react              @opensauce-demo/sauce-frontend
3      plugins/sauce                    @opensauce-demo/sauce-frontend
4      plugins/sauce-backend            @opensauce-demo/sauce-backend
5      plugins/sauce-infra              @opensauce-demo/sauce-infra
```

What?!



Why not use the Catalog?

Let's get to it!

Reaping the benefits

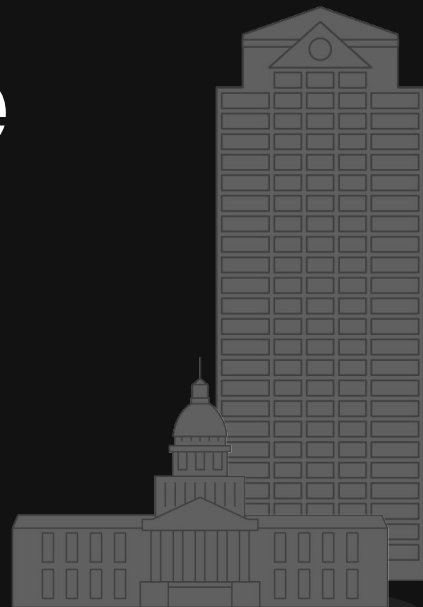
- Show Backstage ingesting plugins in the catalog
- Show enabled plugins for Backstage plugins

Updating Backstage



mhentges 🤖 2:09 PM

Hey, I love the GitHub integration, but my team also uses GitLab, could you enable that?



Struggles

- You don't what version to put down
- Might be inconsistent packages with each other
- You have to use your brain

Yarn plugin to the rescue

How to enable

- Have yarn version 4
- Install plugin yarn plugin import
<https://versions.backstage.io/v1/tags/main/yarn-plugin>
- Update reference backstage-cli versions:bump

Dev Entrypoint

- Exercise a single plugin
- Faster startup/iteration time
- Less setup requirements

hacker voice
I'm in



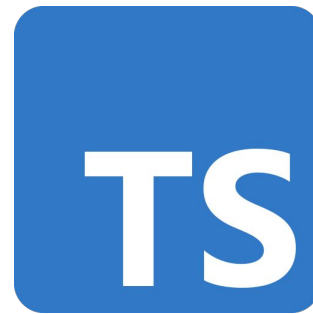
API Reports!

- Based on [API Extractor](#)
- Breaking changes [more obvious in review](#)
- Avoid too-wide API surface
- Used in OSS Backstage ([script](#), [CI](#))



API Reports!

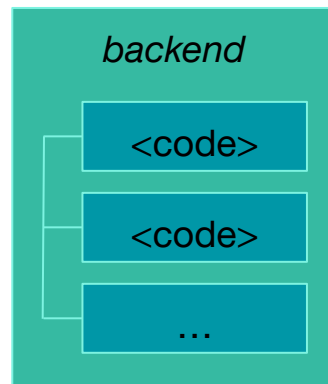
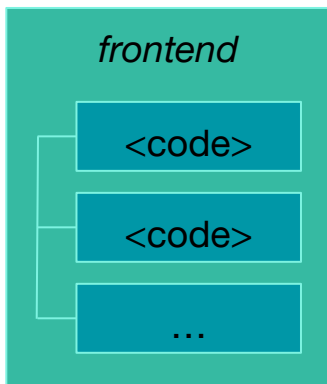
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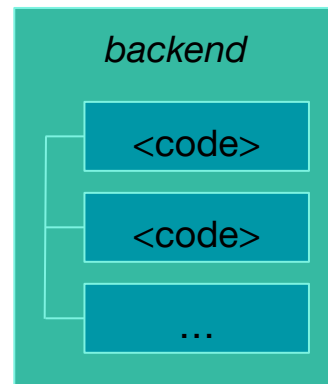
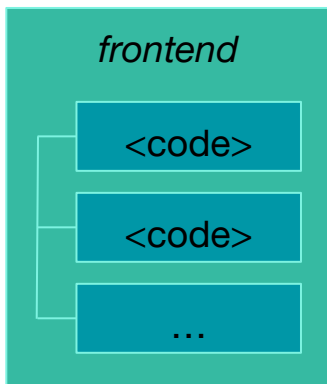


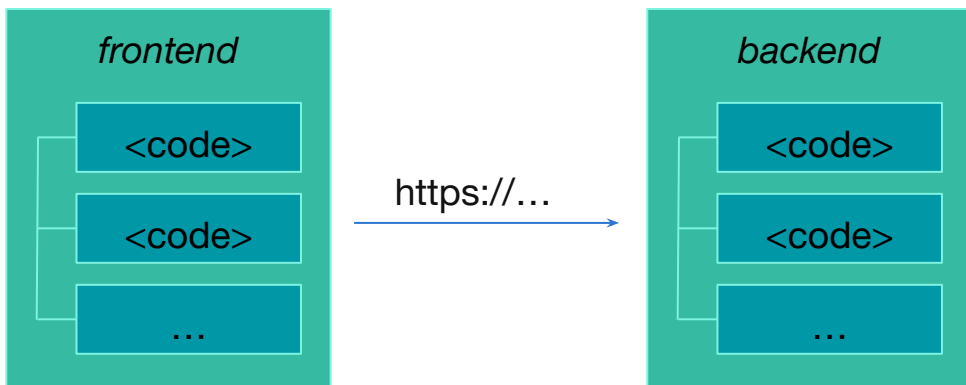
Package Linking

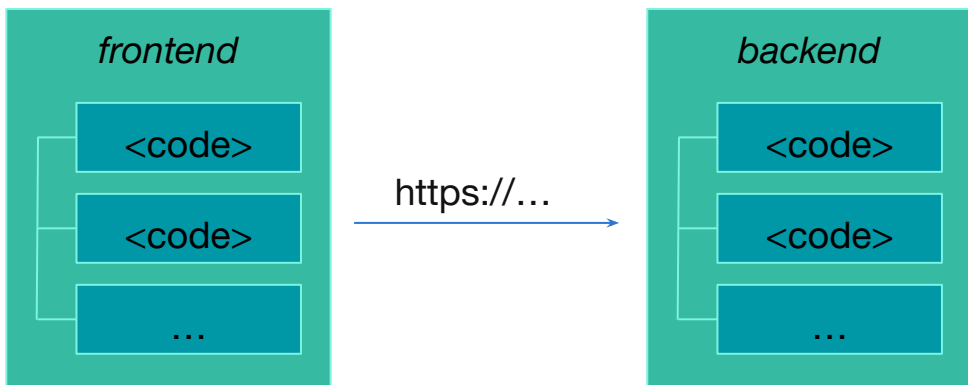
- Contributing to the community
- Testing cutting-edge features
- See [docs](#)

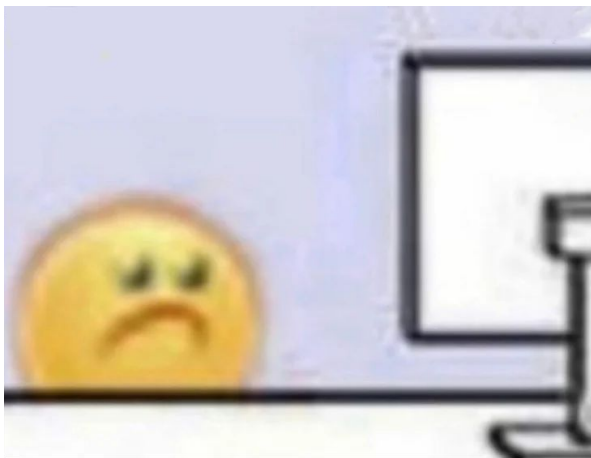
















OpenAPI

Schema-first plugins with OpenAPI

- Statically catch more bugs
- Makes HTTP requests as “typed” as a fn call
- Ergonomics (IDE autocomplete)
- [Set it up using backstage-repo-tools](#)



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(your bugs be like)



Wrap up



Plugin ownership



Dev Entrypoint



Package Linking



Backstage Action



Yarn plugin



OpenAPI

Thank You



Feedback 🖱️ :)

