



# Introduction to Open i m Sauced g



#### Watch this on YouTube

Open Sauced provides guidance for new contributors finding their next contribution. Our approach towards onboarding offers a way to track contributions through a GitHub powered dashboard.

#### A

# Introduction to contributing

Contributions are always welcome, no matter how large or small. Before contributing, please read the code of conduct.

Some thoughts to help you contribute to this project

### Recommended communication style

- 1. Always leave screenshots for visuals changes
- 2. Always leave a detailed description in the Pull Request. Leave nothing ambiguous for the reviewer.
- 3. Always review your code first. Do this by leaving comments in your coding noting questions, or interesting things for the reviewer.
- 4. Always communicate. Whether it is in the issue or the pull request, keeping the lines of communication helps everyone around you.

### Setup

- 1. Fork one of the repositories from github/open-sauced to your own GitHub account.
- 2. Clone the forked repository to your local machine.
- 3. Run npm ci to install the dependencies and set up the project.

You can also use the shell commands below to get started once you have forked the repository. Make sure to replace <your-name> with your GitHub username.

```
git clone https://github.com/<your-name>/open-sauced
cd open-sauced
npm ci
```

### **Building**

```
npm run build
```

### **Testing**

For running the test suite, use the following command. Since the tests run in watch mode by default, some users may encounter errors about too many files being open. In this case, it may be beneficial to install watchman.

```
# the tests will run in watch mode by default
npm test
```

For more info on testing React and JavaScript, check out this course Testing JavaScript

### **Applying Lint Styleguide**

To check the code for formatting and linting errors, run the following command:

npm run lint

These errors will also be displayed during development, but won't prevent the code from compiling.

To fix the formatting and linting errors, run the following command instead:

npm run format

These commands use ESLint to check and fix the code.

The automated PR checks will also run these commands, and the PR will be blocked if there are any errors, so it's a good idea to run them before submitting a PR.

### **Pull requests**

We actively welcome your pull requests, however linking your work to an existing issue is preferred.

- 1. Fork the repo and create your branch from the default branch.
- 2. Name your branch something that is descriptive to the work you are doing. i.e. adds-new-thing or fixes-mobile
- 3. If you've added code that should be tested, add tests.
- 4. If you've changed APIs, update the documentation.
- 5. If you make visual changes, screenshots are required.
- 6. Ensure the test suite passes.
- 7. Make sure you address any lint warnings.
- 8. If you make the existing code better, please let us know in your PR

description.

- 9. A PR description and title are required. The title is required to begin with: "feat:" or "fix:"
- 10. Link to an issue in the project. Unsolicited code is welcomed, but an issue is required for an announcement your intentions. PR's without a linked issue will be marked invalid and closed.

note for maintainers: All pull requests need a label to assist automation. See the template to guide which labels to use.

### PR validation

Examples for valid PR titles:

- fix: Correct typo.
- feat: Add support for Node 12.
- refactor!: Drop support for Node 6.

Note that since PR titles only have a single line, you have to use the ! syntax for breaking changes.

See Conventional Commits for more examples.

#### 3 tips for getting your Pull Request reviewed

You can also experiment with conventional commits by doing:

```
npm run push
```

Using the npm run push command is an interactive replacement for git commit. It enforces the conventional commits specification for writing commit messages, making it easier for developers and maintainers to understand the

changes made in a particular commit.

Assuming you are dealing with code changes and you add them using git add, once you are ready to commit, there are 2 ways we can proceed: git commit or npm run push. The second method is preferred, as doing a subsequent git push and then opening a PR would ensure the title is conforming to our standards.

### **Work in progress**

GitHub has support for draft pull requests, which will disable the merge button until the PR is marked as ready for merge.

### Issues

If you wish to work on an open issue, please comment on the issue with .take and it will be assigned to you. If an issue is not assigned, it is assumed to be open for anyone to work on. Please assign yourself to an issue before beginning work on it to avoid conflicts.

If you are contributing to the project for the first time, please consider checking the bug or good first issue labels.

In case you get stuck, please feel free to ask for help in the Discord server or GitHub Discussions.

Please note that we have a code of conduct, please follow it in all your interactions with the project and it's contributors.

### **Triage team**

The Triage team is inspired by expressjs/express. This team exists to create a path for making contributions to this project and open source. All Triage Team members are expected to follow this guide: TRIAGE GUIDE.md

There are no minimum requirements to become a member of the Triage Team.

For those interested in getting involved in the project or just open source in general, please request an invite to the Triage Team in this discussion.

### **Funding**

Open Sauced is a part of GitHub Sponsors. If you would like to contribute, please note the sponsor page for details on how funds are distributed. If you have made any contributions to the projectd directly or indirectly, please consider adding your profile to the FUNDING.yml.

### Community

Do you have questions? Join the conversation in our Discord.

### **Coding tips**

- Ask questions if you are stuck.
- Use CSS variables
- Always use rel="noreferrer" on all target="\_blank" links.

### License

By contributing to the Open Sauced project, you agree that your contributions will be licensed under its MIT license.

### **Code of Conduct**

### Our pledge

In the interest of fostering an open and welcoming environment, we as contributors and maintainers pledge to make participation in our project and our community a harassment-free experience for everyone, regardless of age, body size, disability, ethnicity, gender identity and expression, level of experience, nationality, personal appearance, race, religion, or sexual identity and orientation.

### **Our standards**

Examples of behavior that contributes to creating a positive environment include:

- Using welcoming and inclusive language
- · Being respectful of differing viewpoints and experiences
- Gracefully accepting constructive criticism
- Focusing on what is best for the community
- Showing empathy towards other community members

Examples of unacceptable behavior by participants include:

- The use of sexualized language or imagery and unwelcome sexual attention or advances
- Trolling, insulting/derogatory comments, and personal or political attacks

- Public or private harassment
- Publishing others' private information, such as a physical or electronic address, without explicit permission
- Other conduct which could reasonably be considered inappropriate in a professional setting

### **Our responsibilities**

Project maintainers are responsible for clarifying the standards of acceptable behavior and are expected to take appropriate and fair corrective action in response to any instances of unacceptable behavior.

Project maintainers have the right and responsibility to remove, edit, or reject comments, commits, code, wiki edits, issues, and other contributions that are not aligned to this Code of Conduct, or to ban temporarily or permanently any contributor for other behaviors that they deem inappropriate, threatening, offensive, or harmful.

### Scope

This Code of Conduct applies both within project spaces and in public spaces when an individual is representing the project or its community. Examples of representing a project or community include using an official project e-mail address, posting via an official social media account, or acting as an appointed representative at an online or offline event. Representation of a project may be further defined and clarified by project maintainers.

### **Enforcement**

Instances of abusive, harassing, or otherwise unacceptable behavior may be reported by contacting the project team at hello@briandouglas.me. All complaints will be reviewed and investigated and will result in a response that is deemed necessary and appropriate to the circumstances. The project team is obligated to maintain confidentiality with regard to the reporter of an incident. Further details of specific enforcement policies may be posted separately.

Project maintainers who do not follow or enforce the Code of Conduct in good faith may face temporary or permanent repercussions as determined by other members of the project's leadership.

### **Attribution**

This Code of Conduct is adapted from the Contributor Covenant, version 1.4, available at https://contributor-covenant.org/version/1/4

### **Triage guide**

### How do I join the triage team?

- 1. Sign up for opensauced.pizza
- 2. Leave a reply in the invite discussion.

### **Issue triage process**

When a new issue or pull request is opened the issue will be labeled with needs triage. If a triage team member is available they can help make sure all the required information is provided. Depending on the issue or PR there are several next labels they can add for further classification:

- needs triage: This can be kept if the triager is unsure which next steps to take
- awaiting more info: If more info has been requested from the author, apply this label.
- question: User questions that do not appear to be bugs or enhancements.
- discuss: Topics for discussion. Might end in an enhancement or question label.
- bug: Issues that present a reasonable conviction there is a reproducible bug.
- enhancement: Issues that are found to be a reasonable candidate feature additions.

In all cases, issues may be closed by maintainers if they don't receive a timely

response when further information is sought, or when additional questions are asked.

### Approaches and best practices for getting into triage contributions

Review the project's contribution guideline if present. In a nutshell, commit to the community's standards and values. Review the documentation, for most of the projects it is just the README.md, and make sure you understand the key APIs, semantics, configurations, and use cases.

It might be helpful to write your own test apps to re-affirm your understanding of the key functions. This may identify some gaps in documentation, record those as they might be good PR's to open. Skim through the issue backlog; identify low hanging issues and mostly new ones. From those, attempt to recreate issues based on the OP description and ask questions if required. No question is a bad question!

### Labeling good first issues

Issues labeled as <code>good first issue</code> represent a curated list of easy contributions for new contributors. These issues are meant to help folks make their first contribution to open-source and should not require an excessive amount of research or triaging on the contributor's part.

All good first issues should include one or more of the following: a solution, a suggestion for a solution, links to components, or in which issue occurs.

- Issues that needs triage cannot be labeled as good first issues.
- It is better to have no good first issue labeled issues than to have a

good first issue confusing enough to deter a contributor from contributing.

### Removal of triage role

There are a few cases where members can be removed as triagers:

- Breaking the CoC or project contributor guidelines
- Abuse or misuse of the role as deemed by the TC
- Lack of participation for more than 6 months

If any of these happen we will discuss as a part of the triage portion of the regular TC meetings. If you have questions feel free to reach out to any of the TC members.

### Other helpful hints:

- When reviewing the list of open issues there are some common types and suggested actions:
  - New/unattended issues or simple questions: A good place to start
  - $\circ~$  Hard bugs & ongoing discussions: always feel free to chime in and help
  - Issues that imply gaps in documentation: open PRs with changes or help the user to do so
- For recurring issues, it is helpful to create functional examples to demonstrate (publish as gists or a repo)
- Review and identify the maintainers. If necessary, at-mention one or more of them if you are unsure what to do
- Make sure all your interactions are professional, welcoming and respectful to the parties involved.

### Set up Authentication

To interact with the OpenSauced public API as an authenticated user, you need to obtain an authentication token. The following steps outline how to obtain an authentication token from the hot.opensauced.pizza website:

1. Click on your avatar in the top right corner of the page. This will open a dropdown menu.



2. Click on the **Print Auth Token** option. Don't worry, this is a safe operation. The token is only printed to the console.



3. Copy the token that is printed to the console.



4. You can now use this token to make authenticated requests to the OpenSauced public API by including it in the Authorization header of your requests. For example:

```
const response = await fetch("https://api.opensauced.pizza/v1/
```

# Introduction to storybook

Storybook is being leveraged to mock out visual React components. The latest version of the design system can be found at this URL.

To run storybook, use this command:

npm run storybook

### **UI** categories

Storybook is broken into several categories:

- **Button:** These are the button elements that appear in the project in various forms. They primarily are the Button component in the project but can also be icons.
- **Cards:** These are the main container elements in the project. Each item represents a live component in their current form in the project.
- Primitives: These are the basic styling of base HTML components.
- **Nav:** This is the main navigation bar for the project. There are two states, when there is no user logged in and when a user is logged in.
- **Footer:** This represents the various footers for the project.
- **Homepage:** This is the main component for the project homepage and shows the home page in its current form.

• **Miscellaneous:** These are components that currently don't fit neatly into the above categories.

### Making changes to storybook

This section details how to make changes to Storybook, mainly creating new categories or UI elements.

### Adding a new category

To add a new category, a new file needs to be added to /stories. Please follow the naming convention of \*Previous File Number + 1\*-\*Name of Story Capitalized\*-stories.js when creating a new file. In the file ensure you have this code in the file:

```
export default {
   title: "*Name of category*"
};
```

### Adding a new UI element

To add a new UI element to to an existing category, add the following code to that category's file:

```
export const *Name of UI Element* = () => (
);
```

### Dark mode explained

This project supports "dark mode" styling, and by default it will follow the color preference on your device. It also allows for overriding this using buttons at the top right of the screen, which will persist the preference to local storage on your device. More info about color preference web API's can be found here in the MDN Web Docs.

### Implementation approach

The implementation is done in 4 steps.

- The functional component in src/containers/App.js has a useEffect
  hook that checks the user's localStorage for a stored entry of theme. This
  value should be either "dark", "light", no entry at all. The hook runs only on
  initial page load, and if no local storage entry is found, it uses a default
  value of "system". It applies this value to the ThemeContext defined in
  src/ThemeContext.js.
- Also found in src/containers/App.js is a function called systemIsDark
  that can look at the user's device color preference to determine whether or
  not the system would prefer dark mode.
- Also found in src/containers/App.js
  is a function called applyTheme
  that
  checks the theme value and decides whether to include or remove the CSS
  classname "dark" to the document.body element. This determination
  would be made according to this table.

Value of theme	Result of systemIsDark	Apply body.dark?
system	true	include
system	false	remove
dark	N/A	include
light	N/A	remove

• Found in src/components/ThemeButtonGroup.js is a component with three buttons, each of which can be used to change the ThemeContext value.

### Theme context use

At this time, the ThemeContext only affects the ThemeButtonGroup component from a logic standpoint, but the body.dark CSS class declaration affects many places in the codebase. The broad effects of the body.dark CSS class declaration are found in src/index.css. There are more specific impacts for components that extend styled-components (found in src/styles/) and the style declarations for these refer to descendants of body.dark. These impacts are found in overrides of color-related properties such as color, background-color, fill, and filter.

### **SVG** images

SVG images can have their coloring controlled by a few different means, depending on the way they're rendered. This project has some mix in its use of

SVG files for icons/images.

- In the case of its use of the library <code>@primer/octicons-react</code>, these SVG files are rendered directly into markup rather than as the <code>src</code> attribute of an <code><img></code> tag, and so the <code>fill</code> CSS property is controlled by <code>src/index.css</code>.
- In the case of its use of SVG files in the repository, these are rendered as the src attribute of an <img> tag, and therefore the filter CSS property is controlled by src/index.css.
- In the case of an SVG used as a background-image for a form element
   (src/styles/Search.js), we use an alternate SVG file for dark mode
   whose fill property has been adjusted, since this use case doesn't allow
   for controlling the SVG colors separately from the form element's
   background colors.

### **Loading skeletons**

This project uses components from the library react-loading-skeleton, and these are addressed in src/index.css based on this file from their source code.

### **Best practices moving forward**

For future work, components with coloring aspects should make use of the styled-components library and should include CSS style declarations to handle the case of body.dark. For example, below is a component definition used in src/styles/TextArea.js:

```
import styled from "styled-components";
import { margin, size, borderRadius, colors, fontSize } from
"./variables";
const Container = styled.textarea`
 margin-bottom: 12px;
 border-radius: ${borderRadius};
  border: 1px solid ${colors.lightestGrey};
 box-sizing: border-box;
 box-shadow: none;
 font-size: ${fontSize.default};
 margin-bottom: ${size.tiny};
  outline: none;
  padding: ${size.tiny};
 width: 100%;
  body.dark & {
    background-color: ${colors.darkestGrey};
    color: ${colors.lightestGrey};
 }
```

### References

- Dark Mode at Stack Overflow
- Color Control of SVGs
- React Context Docs

### Fetching data from the GitHub graphql API

Over the past few years, GitHub has been enabling developers to build on our platform as 3rd party integrators. This enablement does not come without limitations such as rate-limiting and token access. Open Sauced originally started as a way to try out the GitHub GraphQL API with a production-ready application.

### Implementation approach

Open Sauced is exclusively powered by the public data from open source repos. Not only is the data drawn from open sourced repos, the onboarding flow for Open Sauced walks the user through creating their own open sourced repo in order to track their own contributions.

### **OneGraph**

OneGraph is the tool used to consume the GitHub GraphQL API through one consistent GraphQL interface.

### **Persisted queries**

Persisted queries are an advanced GraphQL feature that allow clients to pre-register queries with the server. In a typical workflow, the client will send the query to the server as part of a build process and the server will send back an id for the query. When the client wants to run the query, it sends the id instead of the full query string.

Developers use persisted queries because they reduce the amount of bandwidth sent from the client to the server and they improve security by locking down the queries that can be sent to the server.

OneGraph makes this all easy to do, and you can read up more on that in their documentation.

### **Goals repository**

Each Open Sauced user leverages their own GitHub repository as a database. The repository is generated during sign up and is the companion for finding open source contributions to make. All data

in this repository is a mirror of the data you see on the opensauced.pizza dashboard.

The repo open-sauced/goals-template is used as a template repo to generate the user's open-sauced-goals repo.

**data.json** The Open Sauced goal data in this list is populatated using the goals-caching.yml. Each opened issue in the goals repo full name is stored along with star, forks, and issues count. This is needed for rendering the user's open sauced dashboard.

**stars.json** The Open Sauced recommendation data is stored using the logged in user's starred repositories. This data is accessible via the GitHub API and stored publically in goals repo for easy rendering. The list is populatated using the goals-caching.yml. *Plans are being developed to power platform wide recommendations using this data, this is pending the reviewing of the GitHub TOCs.* 

### **Use of API in components**

The following table shows which components (src/components/\*.js) use which API functions (src/lib/apiGraphQL.js', 'src/lib/persistedGraphQL.js'), and what they do.

Component	API Function	Persisted/ Dynamic	Mutation
AddRepoForm	api.createGoal Add goal through form input	Dynamic	х
Contributions	api.persistedInteractionsFetch Contributions list for the user	Persisted	
CreateGoals	api.fetchOwnerId  Need the repo owner ID first	Dynamic	
CreateGoals	api.createOpenSaucedGoalsRepo Create from template	Dynamic	х
DangerZone	api.updateGoal Remove the goal	Dynamic	х
Issues	api.persistedIssuesByLabelFetch Fetch Goal's issues labeled good first issue (First 5)	Persisted	

Component	API Function	Persisted/ Dynamic	Mutation
Issues	<pre>api.persistedIssuesFetch Fetch Goal's all issues (First 5)</pre>	Persisted	
Issues	api.persistedRepositoryIssuesByLabelFetch Fetch Goal's all issues (Paginated)	Persisted	
Issues	api.persistedRepositoryIssuesFetch Fetch Goal's issues labeled good first issue (Paginated)	Persisted	
NoteForm	api.updateGoal Updates Notes	Dynamic	x
RecommendedRepoList	api.createGoal Add goal based on recommendations list	Dynamic	x
Repository	api.persistedRepoDataFetch Gather partial data for goal	Persisted	
Repository	api.fetchGoalQuery Gather partial data for goal	Dynamic	
Repository	api.persistedForkFetch  Look at whether user has this repo forked	Persisted	
Repository	api.persistedForkFetch Initiate forking the repo for the user	Persisted	
RepositoryGoals	[api.persistedViewerStars] Fetch repos starred by the user	Persisted	
AdminStatsBar	api.fetchRateLimit Shows administrator the status of rate limiting	Dynamic	
AdminStatsBar	<pre>api.persistedDeploymentFetch Shows administrator deployment status</pre>	Persisted	

Component	API Function	Persisted/ Dynamic	Mutation
AdminStatsBar	api.fetchRepoCount  Shows administrator the user count, based on count of open-sauced-goals repos	Dynamic	

### References

- Using Persisted Queries
- GraphQL Enterprise Connect: "Persisted GraphQL", Brian Douglas

## Resolve merge conflicts

Pretty often when opening a pull request it is very likely to run into merge conflicts as the release process is generally updating npm-shriknwrap.json.

To better illustrate the commands listed here at will use commits and screenshots from open-sauced#1078.

In literally every case it is advised **not** to use the Resolve conflicts button as follows:



The above will at best achieve a ready to merge pull request with visible inconsistencies.

### Repository setup

Fork and clone the project using the gh command line interface:

```
gh repo clone 0-vortex/open-sauced

Running git remote -v will output:

origin git@github.com:0-vortex/open-sauced.git (fetch)
```

Fork and clone the project using the git command line interface:

```
git clone git@github.com:0-vortex/open-sauced.git
```

Running git remote -v will output:

```
origin git@github.com:0-vortex/open-sauced.git (fetch)
origin git@github.com:0-vortex/open-sauced.git (push)
```

As an additional step for this tutorial we need to add the upstream remote:

```
git remote add upstream git@github.com:open-sauced/open-sauced.git
```

### **Update**

First get the default branch changes:

```
git fetch origin --recurse-submodules=no --progress --prune
git checkout main --
git fetch upstream --recurse-submodules=no --progress --prune
git merge upstream/main --no-stat -v
```

### Merge with upstream

Then merge with the forked up-to-date beta (default branch):

```
git merge origin/main --no-ff -v
```

You will see something similar to:

```
01:22:44 in open-sauced on ∤ docusaurus [$?] is 📦 v0.21.21 via • v16.3.0
→ git merge origin/main --no-ff -v
Auto-merging package.json
CONFLICT (content): Merge conflict in package.json
Automatic merge failed; fix conflicts and then commit the result.
01:22:50 in open-sauced on ⟨ (git)-[docusaurus|merge]- [=$+?] via • v16.3.0
×1 → git status
On branch docusaurus
Your branch is up to date with 'origin/docusaurus'.
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)
Changes to be committed:
        modified: .babelrc
        new file: .storybook/index.css
modified: .storybook/main.js
        new file: .storybook/preview-head.html
new file: .storybook/preview.js
        modified: CHANGELOG.md modified: config/polyfills.js
        modified: npm-shrinkwrap.json
        modified: src/styles/Background.js
Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified: package.json
```

### **Review changes**

To see what the changes are do a:

```
git diff package.json
```

It will look like this:

```
01:28:55 in open-sauced on ⅓ (git)-[docusaurus|merge]- [=$+?] via • v16.3.0
→ git diff package.json
diff --cc package.json
index 3337138,574378c..0000000
--- a/package.json
+++ b/package.json
@@@ -85,9 -85,9 +85,15 @@@
     "build": "node scripts/build.js",
      "clean": "rimraf src/tests/__snapshots__/",
     "test": "npm run clean && node scripts/test.js --env=jsdom --updateSnapshot",
      "storybook": "start-storybook -p 6006 --no-dll",
     "build-storybook": "build-storybook --no-dll",
     "lint": "eslint --ext .js,.jsx .",
      "storybook": "start-storybook -p 6006 -s ./.storybook",
      "build-storybook": "build-storybook -s ./.storybook",
      "lint": "eslint .",
++>>>>> origin/main
      "lint:fix": "eslint --fix --ext .js,.jsx .",
      "release": "standard-version --git-tag-fallback"
```

### **Resolve conflicts**

Since this pull request does not modify the package.json file it is safe to fast forward the changes from origin/main:

```
# overwrite with origin/main changes
git show :3:package.json > package.json
```

A more traditional way of doing the same thing is:

```
# make a local copy of all changes and use --theirs
# --theirs strategy overwrite with origin/main changes
git show :1:package.json > base.package.json
git show :2:package.json > branch.package.json
```

### **Commit changes**

Not making any assumptions about editor preferences running this will open the configured editor with a default commit message:

git commit

That should look like this:

```
Merge remote-tracking branch 'origin/main' into docusaurus
# By Matthew (1) and bdougie (1)-
* origin/main:
  chore(release): 0.21.22
  feat: storybook dark mode (#1061)
# Conflicts:
# with '#' will be ignored, and an empty message aborts the commit.⊸
# On branch docusaurus-
# All conflicts fixed but you are still merging.¬
#>>modified: .babelrc-
#>>new file: .storybook/index.css
#>>modified: .storybook/main.js
#»new file:
             .storybook/preview-head.html
#»new file:
             .storybook/preview.js
#>>modified:
             CHANGELOG.md
#>>modified:
             config/polyfills.js
#>>modified:
             npm-shrinkwrap.json
#>>modified:
              package.json
#>modified:
             src/styles/Background.js
# Untracked files:¬
```

### Push updated pull request

One more security check to make sure your branch has not diverged and push:

```
git status
git push
```

It should look something like this:

```
01:33:20 in open-sauced on [ (git)-[docusaurus|merge]- [$+?] is [ v0.21.22 via • v16.3.0
→ git commit
[docusaurus 283ff8c] Merge remote-tracking branch 'origin/main' into docusaurus
01:34:30 in open-sauced on $\footnote{1}$ docusaurus [†$?] is $\bar{1}$ v0.21.22 via • v16.3.0 took 1m 5s
→ qit status
On branch docusaurus
Your branch is ahead of 'origin/docusaurus' by 3 commits.
  (use "git push" to publish your local commits)
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
01:34:42 in open-sauced on \( \frac{1}{2}\) docusaurus [:$?] is \( \varphi \) v0.21.22 via \( \varphi \) v16.3.0
→ git push
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.34 KiB | 98.00 KiB/s, done.
Total 4 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To github.com:0-vortex/open-sauced.git
   f4c7665...283ff8c docusaurus \rightarrow docusaurus
01:35:25 in open-sauced on ∤ docusaurus [$?] is № v0.21.22 via • v16.3.0 took 4s
```

### Review your pull request

The result of the above commands can be viewed at 283ff8cd788c550309ff0d1d5a9a5a97ec0731b2

GitHub will conveniently display only you merge conflict changes:

```
Merge remote-tracking branch 'origin/main' into docusaurus
 chore(release): 0.21.22
 feat: storybook dark mode (#1061)
0-vortex committed 1 hour ago Verified
                                                                                                                  commit 283ff8cd788c550309ff0d1d5a9a5a97ec0731b2

√ ♣ 6 ■■■■ package.json □

           "build": "node scripts/build.js",
                                                                                             "build": "node scripts/build.js",
           "clean": "rimraf src/tests/__snapshots__/",
                                                                                             "clean": "rimraf src/tests/__snapshots__/",
          "test": "npm run clean && node scripts/test.js --env=jsdom --
                                                                                          "test": "npm run clean && node scripts/test.js --env=jsdom --
    updateSnapshot",
                                                                                      updateSnapshot",
          "storybook": "start-storybook -p 6006 --no-dll",
                                                                                  88 + "storybook": "start-storybook -p 6006 -s ./.storybook",
                                                                                             "build-storybook": "build-storybook -s ./.storybook",
          "build-storybook": "build-storybook --no-dll",
        "lint": "eslint --ext .js,.jsx .",
"lint:fix": "eslint --fix --ext .js,.jsx .",
                                                                                            "lint": "eslint .",
          "release": "standard-version --git-tag-fallback"
                                                                                             "release": "standard-version --git-tag-fallback"
                                       You are viewing a condensed version of this merge commit. You can view the full changes here.
```

And it's ready to merge:



#### **Dependency updates**

When dealing with dependency and lock file updates there are multiple use cases to consider, however as a baseline, the open sauced triage team will not prioritize parallel main features as seen in the roadmap.

However when that happens, it is advised to:

- fast-forward npm-shrinkwrap.json
- fast-forward deleted and modified upstream/beta changes to package.json
- fast-forward your added lines to package.json
- run npm ci to delete local modules and create dependency resolution from upstream/beta

Visual diffing is advised however not following the git commit history procedure will result in a rogue pull request that scope creeps into dependency updates.

Generally speaking, just adding things to a lockfile will not be troublesome and since this is a licensed project, we should be careful when adding

dependencies.

# Setting up a new repository

# How do I Join the Maintainers Team?

- 1. Sign up for opensauced.pizza
- 2. Join discord.
- 3. Prove your pizza worth!

## Requirements

For the purpose of this tutorial, our target demo repository will be called open-sauced/npx-check-engines.

The steps described here mirror open-sauced/check-engines.

The octoherd scripts assume you have exported a programatic token similar to:

export GH\_TOKEN="ghp\_Q8TZZT9ypgqw3EeABoCWPcwZBHpjZJ9hI42n"

# Creating a new repo

Don't spend too much time thinking of a name or a catchy description, just set

#### license to MIT and rocket jump!



# Syncing settings with opensauced pizza

Squashing pull requests is the minimum requirement but the other options are quite useful at various stages of development.



Copy most of the relevant settings with:

```
npx octoherd-script-sync-repo-settings \
   --template "open-sauced/open-sauced" \
   -T $GH_TOKEN \
   -R "open-sauced/check-engines"
```

Otherwise you can disable "Projects" and "Wikis" for the selected repository as we are handling them on a larger scale.

# Syncing labels with opensauced pizza

The default labels have some missing emojis. Copy the rest with:

```
npx octoherd-script-copy-labels \
   --template "open-sauced/open-sauced" \
   -T $GH_TOKEN \
   -R "open-sauced/check-engines"
```

Then go back to your repository and delete:

- documentation
- • needs-triage (green background one)
- other potential duplicates if the above race condition is different

# Syncing branch protections with opensauced.pizza

This topic is more complex but in a sense tap the main branch and enable everything except "Restrict who can dismiss pull request reviews" and "Restrict who can push to matching branches" in the first section.



The "Rules applied to everyone including administrators" is more on an unused override.

Most of the time this process is super manual but in the limited cases where we need this run:

```
npx @octoherd/script-sync-branch-protections \
   --template "open-sauced/open-sauced" \
   -T $GH_TOKEN \
   -R "open-sauced/check-engines"
```

## **Setting up workflows**

Most collaborative projects require compliance flows powered by amannn/ action-semantic-pull-request and actions/first-interaction.

Pull requests require triage powered by bdougie/take-action.

Most node projects will require release automation powered by @open-sauced/ semantic-release-conventional-config.

Other development workflows are less common and opinionated towards decentralised collaboration. Use these as example backbones for your new repository.

# Setting up environments and secrets

As you may have noticed in the previous step or in the actions visualisations, the release workflows enable named environments.

These have to be manually set up, along with their secrets and branch protections.



If using npm or ghcr it is likely you will add a couple variables here.

# @open-sauced/checkengines

## **Description**

The npm package @open-sauced/check-engines is designed to help contributors install dependencies conforming to the engines property in package.json.

## **Dependencies**

This package uses the following modules:

npm-install-checks

#### Installation

```
npm install --save-dev @open-sauced/check-engines
```

Add the verification scripts to your scripts section in the package. json file:

```
"scripts": {
 "preinstall": "npx @open-sauced/check-engines"
```

The reason why we provide <code>npx</code> in the <code>scripts</code> section is for the people using this as a development enhancement, interactive configurations or trimmed dependency trees, where using <code>npx</code> is preferred over installing all the dependencies at once.

## **Usage**

Use your favourite package manager to install dependencies in your project or, if you set it as global verification system:

```
{
   "scripts": {
      "check-engines": "npx @open-sauced/check-engines"
      "preinstall": "npm run check-engines",
      "prestart": "npm run check-engines"
   }
}
```

## **Advanced usage**

If you have an API or any other non-library type of application, you can decouple this package from any install scripts and just use it as a verification:

```
{
   "scripts": {
      "check-engines": "npx @open-sauced/check-engines"
      "prestart": "npm run check-engines"
   }
}
```

A more traditional approach not using pre or post scripts, this example enables the check only for local machine development:

```
{
   "scripts": {
      "check-engines": "npx @open-sauced/check-engines"
      "start": "...",
      "dev": "npm run check-engines && npm start -- --watch"
   }
}
```

#### **FAQ**

#### Usage on older node and npm versions

Older node and npm versions won't be able to run this package, depending on versions the scripts section could be ignored completely.

If you have that use case, this package is only worth enabling for progressive contributors frequently missing the legacy support of the respective module and forcefully upgrading dependencies - them running newer versions will force the error message and explicitly disable.

#### Why not use check-engines or engine-strict

As described in the npm@6 engine-strict docs:

Prior to npm 3.0.0, this feature was used to treat this package as if the user had set engine-strict. It is no longer used.

In npm@6 and later this was re-introduced as a config flag.

This package is designed with multiple legacy use cases in mind.

#### Library usage

If you are using this module in a library package, be advised that any \*install script will run in the parent module when installed.

For example, given a module <code>@demo-org/demo-package</code> with a <code>preinstall:</code> "npx <code>@open-sauced/check-engines"</code> script, running <code>npm install @demo-org/demo-package</code> will require your locally installed <code>node</code> and <code>npm versions</code> to match the <code>engines</code> section of your <code>package.json</code> - if that is not set, nothing should happen and this package is a stray dependency in either <code>@demo-org/demo-package</code> or the module you are running this command in.

## **Contributing**

We're always happy to onboard people into open source!

Check out the repository at @open-sauced/check-engines ♥

# @open-sauced/ conventional-commit

## **Description**

The npm package @open-sauced/conventional-commit is designed to help users git commit using commitizen and conventional commits.

## **Dependencies**

This package uses the following modules:

- cz-cli
- cz-conventional-changelog

#### Installation

```
npm install --save-dev @open-sauced/conventional-commit
```

Add the verification scripts to your scripts section in the package.json file:

```
{
   "scripts": {
     "push": "npx @open-sauced/conventional-commit"
```

The reason why we provide <code>npx</code> in the <code>scripts</code> section is for the people using this as a development enhancement, interactive configurations or trimmed dependency trees, where using <code>npx</code> is preferred over installing all the dependencies at once.

## **Usage**

All you have to do is run the script next to your package.json:

```
npx @open-sauced/conventional-commit
# or
npx conventional-commit
```

## Advanced usage

The most common use case for this package is to run it instead of the <code>git</code> commit command inside your <code>npm</code> scripts:

```
{
   "scripts": {
      "push": "npx @open-sauced/conventional-commit"
   }
}
```

or

```
{
   "scripts": {
     "push": "npx conventional-commit"
```

If you want to ensure local-only usage:

```
{
   "scripts": {
      "push": "conventional-commit"
   }
}
```

# **FAQ**

# **Contributing**

We're always happy to onboard people into open source!

Check out the repository at @open-sauced/conventional-commit ♥

#### $\uparrow$

# @open-sauced/ semantic-releaseconventional-config

## **Description**

The npm package @open-sauced/semantic-release-conventional-config is designed to help npm packages auto-release to npm or ghcr registries while generating github releases and changelog using conventional commit convention.

Version 2 supports alpha and beta pre-releases using coresponding branches.

## **Dependencies**

This package uses the following modules:

- @semantic-release/commit-analyzer
- @semantic-release/release-notes-generator
- conventional-changelog-conventionalcommits
- @semantic-release/changelog
- @semantic-release/npm
- @google/semantic-release-replace-plugin
- semantic-release-license

- @semantic-release/git
- @semantic-release/github
- @eclass/semantic-release-docker
- @semantic-release/exec
- execa

# Requirements

Most important limitations are:

- GITHUB\_TOKEN for everything
- NPM\_TOKEN for public npm library
- docker containers need to be built beforehand

You can skip here if you are using elevated Private Access Token, however we don't recommend going down that path.

No force push or admin cherries branch protections for the following branches:

- main required
- alpha optional, pre-release branch
- beta optional, pre-release branch
- next optional, next channel
- next-major optional, next major
- vx[.x.x] maintenance releases

If you use more than the main branch, optionally create an environment that is limiting where pushes can come from and enable the merge strategy.

We are using production in our examples, if you copy paste them you will find



# GitHub actions usage

Since version 3 it is possible to use semantic-release without any trace of it or the open-sauced configuration anywhere in the dependency tree.

Docker containers are pushed as part of the release so they mirror the availability of npm packages.

The simplest use case for a typical NPM package, almost zero install downtime from ghcr and no more local tooling:

```
name: "Release container"
on:
 push:
   branches:
      - main
jobs:
  release:
    environment:
      name: production
      url: https://github.com/${{ github.repository }}/releases/
tag/${{ env.RELEASE_TAG }}
    runs-on: ubuntu-latest
    steps:
      - name: "_ checkout repository"
        uses: actions/checkout@v2
        with:
          fetch-depth: 0
      - name: "# release"
```

Marketplace actions should default to the major tag and are essentially more stable as we have to curate every release.

A more traditional approach, only thing really different here is a minor pull overhead and using set outputs instead of environment variables:

```
name: "Release"
on:
 push:
    branches:
      - main
jobs:
  release:
    environment:
      name: production
      url: https://github.com/${{ github.repository }}/releases/
tag/${{ steps.semantic-release.outputs.release-tag }}
    name: Semantic release
    runs-on: ubuntu-latest
    steps:
      - name: "_ checkout repository"
        uses: actions/checkout@v2
        with:
          fetch-depth: 0
      - name: "# release"
        id: semantic-release
        uses: open-sauced/semantic-release-conventional-config@v3
        env:
          GITHUB_TOKEN: ${{ secrets.GITHUB_TOKEN }}
          NPM_TOKEN: ${{ secrets.NPM_TOKEN }}
      - name: "a cleanup"
        run:
```

# NPM usage

You can opt to use this package in your local tooling. Proceed as you would normally would, replacing npm with your package manager of choice and install the package:

```
npm install --save-dev @open-sauced/semantic-release-conventional-
config
```

The shareable config can then be configured in the semantic-release configuration file:

```
"extends": "@open-sauced/semantic-release-conventional-config"
```

Now all you need to do is create a release:

```
npx semantic-release
```



# Configuration

See each plugin documentation for required installation and configuration steps.

#### **NPM**

Set private to true in package.json if you want to disable npm, or, change the scope of package using publishConfig.

Keep one of files or main keys in your package.json accurate depending on whether you are building a library or an application.

If you publish, make sure to also provide a valid NPM\_TOKEN as .npmrc authentication is ignored in our config!

#### **GitHub Actions**

Unless you have an <a href="action.yml">action.yml</a> present in your root folder, this module is not added to the release config.

If you have an <a href="action.yml">action.yml</a> present, our config will attempt to adjust the container version to the newly pushed <a href="mailto:npm">npm</a> and <a href="docker">docker</a> tags.

#### **Docker**

Unless you have a Dockerfile present in your root folder, this module is not added to the release config.

If you have a Dockerfile present, our config will attempt to push to ghcr.io.

#### **Environment variables**

Using our configuration comes with some sensible defaults:

• DOCKER\_USERNAME=\$GITHUB\_REPOSITORY\_OWNER

- DOCKER\_PASSWORD=\$GITHUB\_TOKEN
- GIT\_COMMITTER\_NAME="open-sauced[bot]"
- GIT\_COMMITTER\_EMAIL="63161813+opensauced[bot]@users.noreply.github.com"
- GIT\_AUTHOR\_NAME parsed from commit \$GITHUB\_SHA
- GIT\_AUTHOR\_EMAIL parsed from commit \$GITHUB\_SHA

Feel free to change any of the above to whatever suits your purpose, our motivation is to keep GITHUB\_TOKEN and/or NPM\_TOKEN the only necessary requirements.

We are actively investigating ways to drop the 2 remaining variables as well!

#### **Workflow examples**

#### **Node application**

This example requires "private": true, in your package.json and simplifies the workflow to lightning fast deployment:

```
release:
    environment:
        name: production
        url: https://github.com/${{ github.repository }}/releases/
tag/${{ env.RELEASE_TAG }}
    name: Semantic release
    runs-on: ubuntu-latest
    steps:
        - name: "_ checkout repository"
        uses: actions/checkout@v2
        with:
```

#### **Npm library**

For npm libraries we need to set the environment URL manually and set a NPM\_TOKEN environment variable. This also disables docker builds:

```
name: "Release"
on:
 push:
   branches:
      - main
jobs:
  release:
    environment:
      name: npm
      url: https://www.npmjs.com/package/@open-sauced/
semantic-release-conventional-config/v/${{ env.RELEASE_VERSION }}
    name: Semantic release
    runs-on: ubuntu-latest
    steps:
      - name: "_ checkout repository"
        uses: actions/checkout@v2
        with:
          fetch-depth: 0
      - name: "% setup node"
        uses: actions/setup-node@v2.1.5
        with:
          node-version: 16
      - name: "◀ install npm@latest"
        run: npm i -g npm@latest
```

An up-to-date version of the example above is available at @open-sauced/ semantic-release-conventional-config.

#### **Docker image**

For docker builds it's best to build your node application in parallel with the container and re-use the artifact at a later stage:

```
name: "Release"
on:
 push:
   branches:
      - main
jobs:
  docker:
   name: Build container
    runs-on: ubuntu-latest
    steps:
      - name: "_ checkout repository"
       uses: actions/checkout@v2
      - name: " setup buildx"
        uses: docker/setup-buildx-action@v1
      - name: "% cache docker layers"
        uses: actions/cache@v2
        with:
          path: /tmp/.buildx-cache
          key: ${{ runner.os }}-buildx-${{ github.sha }}
          restore-keys: |
            ${{ runner.os }}-buildx-
      - name: " docker meta"
```

An up-to-date version of the example above is available at open-sauced/opensauced.

#### **Pre-releases**

This workflow requires the creation of alpha and beta protected branches while templating every commit to be conventional. It does not support squashing without creating extremely complex conflict resolution:

```
name: "Release"
on:
 push:
   branches:
      - main
      - beta
      - alpha
jobs:
  release:
    environment:
      name: npm
      url: https://www.npmjs.com/package/
open-sauced-semantic-config-test/v/${{
steps.release.outputs.version }}
    name: Semantic release
    runs-on: ubuntu-latest
    steps:
      - name: "_ checkout repository"
        uses: actions/checkout@v2
        with:
          fetch-depth: 0
      - name: "৵ release"
        id: semantic-release
```

#### **FAQ**

#### Which assets are pushed to git

The following assets are added to git using @semantic-release/git:

```
"assets": [
   "LICENSE",
   "LICENSE.md",
   "COPYING",
   "COPYING.md",
   "CHANGELOG.md",
   "package.json",
   "package-lock.json",
   "npm-shrinkwrap.json",
   "public/diagram.svg",
   "action.yml"
]
```

#### What is the commit convention

The following commit rules are enforced by @semantic-release/commit-analyzer:

```
{
  "preset": "conventionalcommits",
  "releaseRules": [
      { "type": "build", "release": "minor" },
```

#### How to enrich the static distribution

The following assets are packed into the github release download using @semantic-release/github:

```
{
   "assets": [
        {
            "path": "pack/*.tgz",
            "label": "Static distribution"
        }
   ]
}
```

#### How to start using pre-releases

Create the alpha and/or beta branches and protect them from being deleted or pushed to directly by non-administrators.

Switch your branching strategy to merge and enable conventional commits checking.

You will have to resolve merge conflicts between alpha, beta and main branches as described in the semantic-releases recipes.

# Contributing

We're always happy to onboard people into open source!

Check out the repository at @open-sauced/semantic-release-conventional-config ♥