

A HashiCorp Vault UI panel written with VueJS and Vault native Go API

<https://vault-ui.io> (<https://vault-ui.io>)

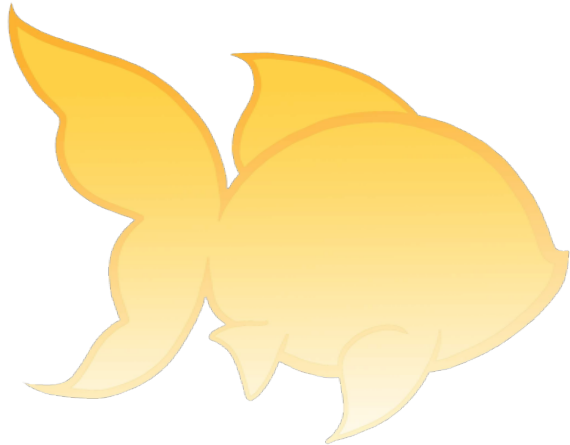
Host: [GitHub](#) (/github)

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Language: [Vue](#) (/languages/Vue)

Keywords: [bulma-css](#) (/github/search?keywords=bulma-css), [go](#) (/github/search?keywords=go), [golang](#) (/github/search?keywords=golang), [ha](#) [vault](#) (/github/search?keywords=hashicorp-vault), [vault](#) (/github/search?keywords=vault), [vault-ui](#) (/github/search?keywords=vault-ui), [vue-adm](#) (/github/search?keywords=vue-admin), [vuejs](#) (/github/search?keywords=vuejs)

Goldfish Vault UI - Live Demo (<https://vault-ui.io>)



(<https://github.com/Caiyeon/goldfish/blob/master/frontend/client/assets/logo%402x.png>)

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What is this?

Goldfish (<https://vault-ui.io>) is a HashiCorp Vault UI

Goldfish answers many auditing and administration questions that Vault API can't:

- Right now, are there any root tokens in Vault?
- Which policies, users, and tokens can access this particular secret path?
- The unseal admins are working from home, but we need a policy changed.
 - How do we do generate a root token only for this change, and make sure it's revoked after?
 - Optionally send the changelID to a slack channel, so admins can pull up the details and approve/reject
- I store my policies on a Github repo. Can I deploy this all in one go? See more (<https://github.com/Caiyeon/goldfish/wiki/Features#request-change-by-github-commit>)
- *Coming soon* If I remove this secret/policy, will anybody's workflow break?

Running goldfish in production

See: [Production Deployment](https://github.com/Caiyeon/goldfish/wiki/Production-Deployment) (<https://github.com/Caiyeon/goldfish/wiki/Production-Deployment>)

Features

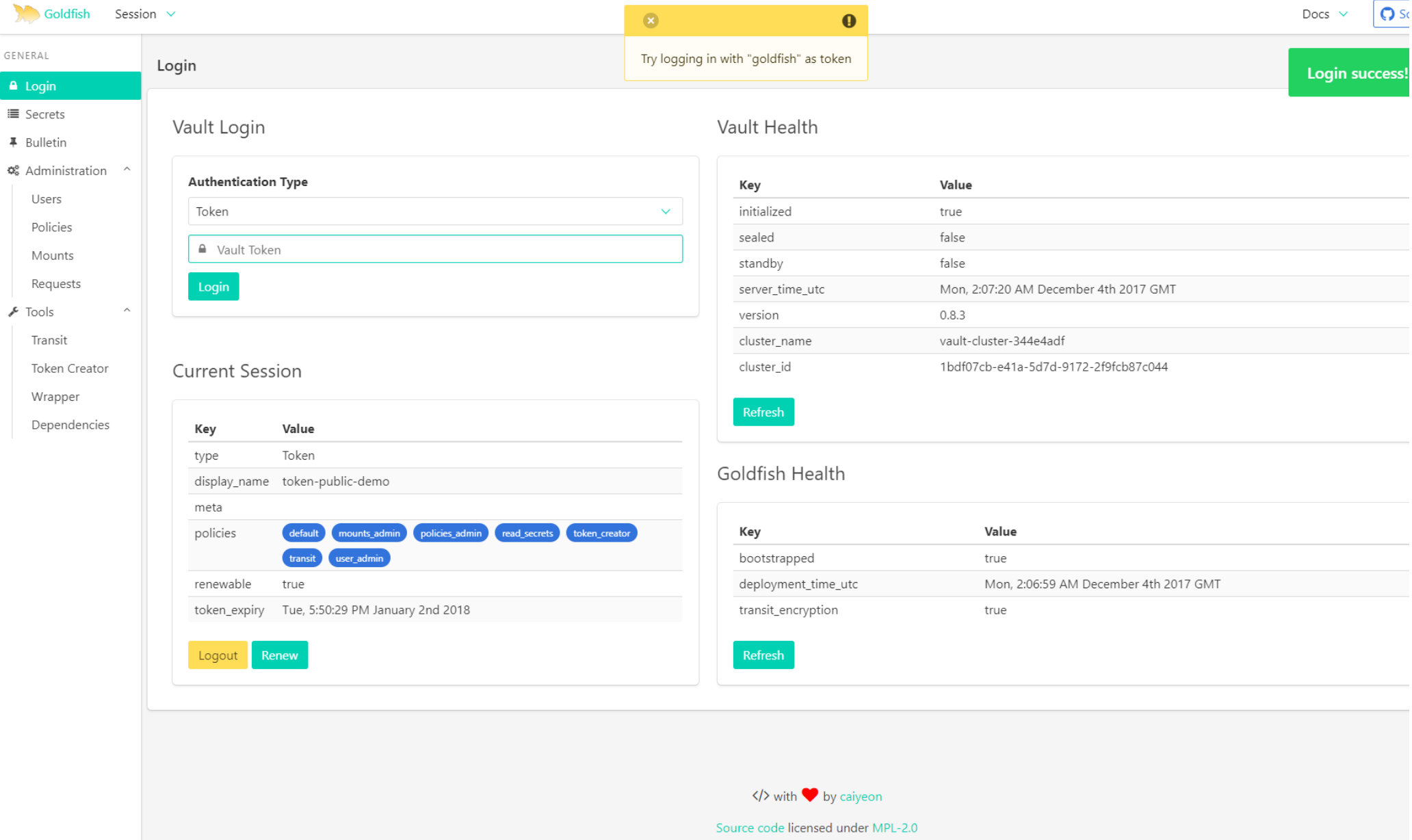
- ☒ Hot-loadable server settings from a provided vault endpoint
- ☒ Displaying a vault endpoint as a 'bulletin board' in homepage
- ☒ **Logging in** with token, userpass, or github
- ☒ **Secret** Reading/editing/creating/listing
- ☒ **Auth** Searching/creating/listing/deleting
- ☒ **Mounts** Listing
- ☒ **Policies** Searching/Listing
- ☒ Encrypting and decrypting arbitrary strings using transit backend

Planned major features: Soon™

- ☒ **DONE!** Searching tokens by policy walkthrough (<https://github.com/Caiyeon/goldfish/wiki/Features#searching-tokens>)

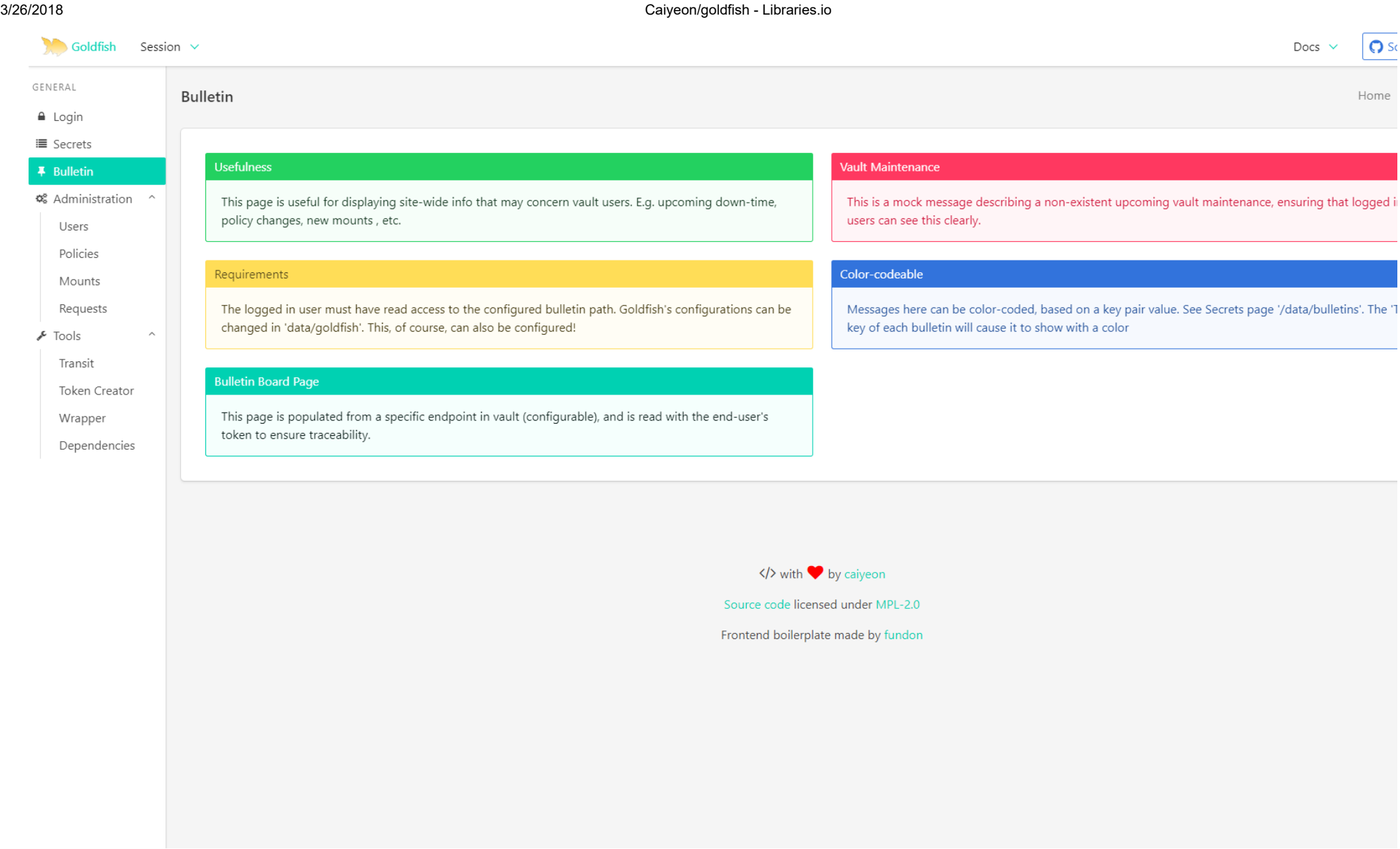
- 3/26/2018Caiyeon/goldfish - Libraries.io
- E.g. Display all tokens that have the policy 'admins'
 - ☒ **DONE!** Searching policy by rule walkthrough (<https://github.com/Caiyeon/goldfish/wiki/Features#searching-policies>)
 - E.g. Display all policies that can access 'secret/data*'
 - ☒ **DONE!** Request & approval based policy changes walkthrough (<https://github.com/Caiyeon/goldfish/wiki/Features#policy-change-req>)
 - Users can place a policy change request in vault
 - Admins must then provide unseal tokens for that specific request
 - Upon reaching a set number, goldfish generates a root token, performs edit, and revokes the root token
 - ☒ **DONE! Terraform your vault** walkthrough (<https://github.com/Caiyeon/goldfish/wiki/Features#request-policy-change-by-github-comm>)
 - Fetch a folder of policies from a commit in github
 - Admins can enter their unseal tokens for approval to set vault policies according to policies found
 - Change dozens of policies in one go!
 - ☐ Resource dependency chain
 - E.g. Will removing a particular policy affect current users?
 - ☐ SAML to LDAP integration
 - ☐ Secret backend specific tools (e.g. AWS backend)

Screenshots

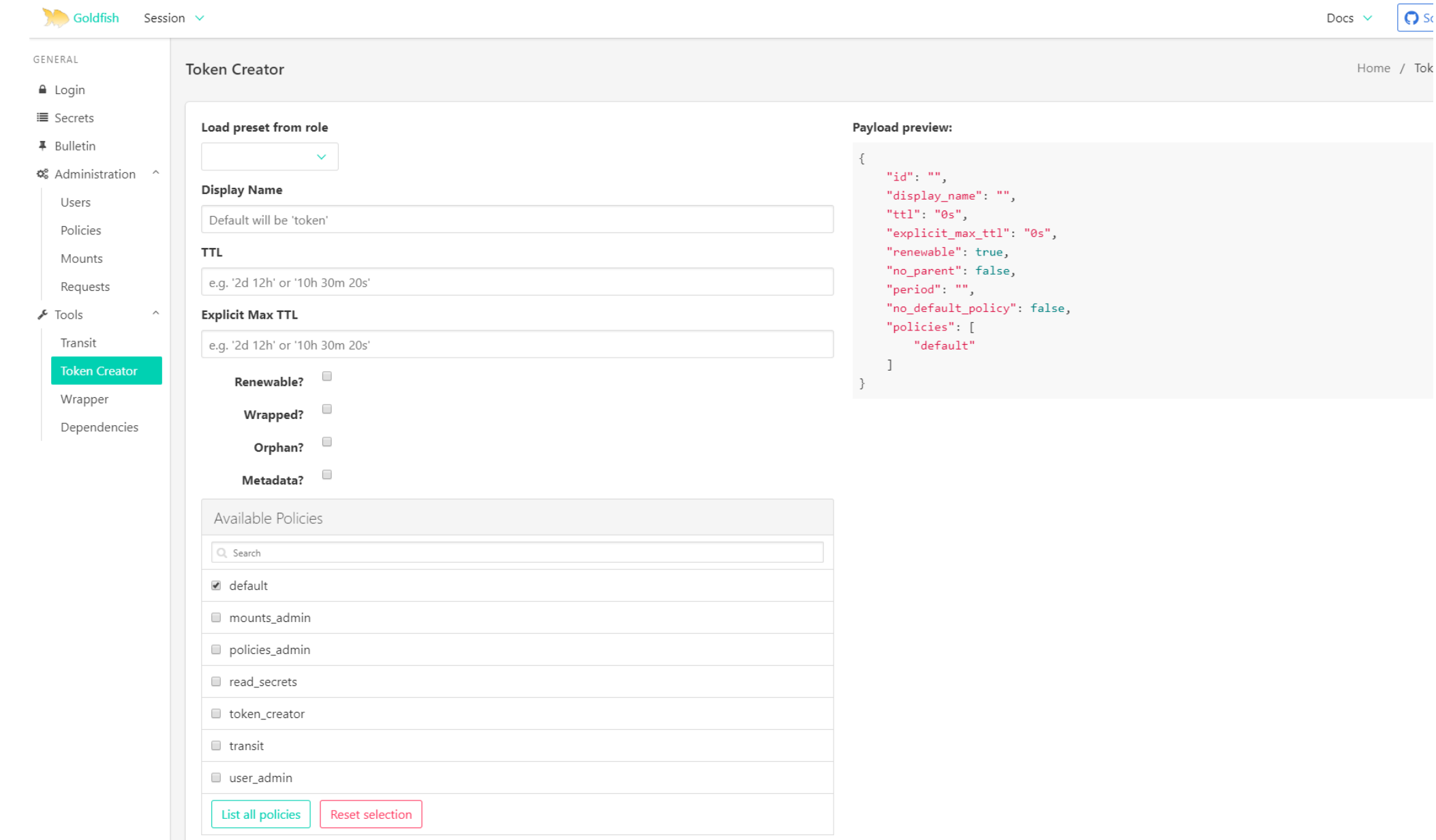


(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/Login.png>)

(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/Request.png>)



(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/BulletinBoard.png>)



(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/TokenCreator.png>)

Goldfish

Session

Docs

GENERAL

Login

Secrets

Bulletin

Administration

Users

Policies

Mounts

Requests

Tools

Transit

Token Creator

Wrapper

Dependencies

Users

Tokens

Userpass

Approle

LDAP

Search

Previous

Next page

1

2

3

...

Reset

Displaying 300 out of 2606 tokens

Substring

Search all tokens

Sea

	Accessor	Display_name	Num_uses	Orphan	Policies	Ttl
	61356db8-4e2f-4690-1ffc-55eee4ec296b	token	0	false	["default"]	2423970
	9eade549-1487-ef63-73d2-6c528690e406	token	0	false	["default", "operations"]	2423851
	df49c432-56a2-c12a-2dde-0339904d9a99	token	0	false	["default", "developers"]	2423836
	47a8df30-444d-e4f4-67d7-226b36c84ff6	token	0	false	["default", "developers"]	2424014
	604d5924-3629-a0f6-53af-6ab2e9eca9cc	token	0	false	["default"]	2423798
	82e707f9-88ff-090b-c73b-8031079aa549	token	0	false	["default"]	2423799
	6c21e364-d258-03e4-d1e2-01e21ae8ccb0	token	0	false	["default"]	2423950
	f48392a8-add9-66a7-28a5-db6aea4ad975	token	0	false	["default", "operations"]	2423894
	399cb63e-8dce-118d-749f-7d9d5af64ca6	token	0	false	["default", "developers"]	2424037
	bde311eb-9d6a-82bc-181c-3af774e714f1	token	0	false	["default"]	2423909
	16767805-da15-409d-bc34-2c0f1f7a18a5	token	0	false	["admins", "default"]	2423854
	4e4c269f-065e-7a46-ce6e-9414ca909c24	token	0	false	["default"]	2423992
	77656985-8a5c-9794-dd09-1f7604d84e23	token	0	false	["default"]	2424009
	03c714cd-d9b9-ec56-2310-a29fe2eca212	token	0	false	["default"]	2423846
	6ce688b7-9d4c-8878-d78c-97ce3c4c1d72	token	0	false	["default"]	2423892
	ca05dfe8-fe1a-a104-12aa-a059b6bfb6b3	token	0	false	["admins", "default"]	2423909
	d7a761e0-1e88-d310-77cb-c962b50c5239	token	0	false	["default"]	2424024
	5eed284c-8afd-cd8f-c79f-43ac0f74eb4c	token	0	false	["default"]	2423961
	bdc927ff-4b3b-42de-0235-ac0554d1cebe	token	0	false	["default"]	2423844
	2f6ec0c0-71fa-cfe2-9be1-7f05205e564f	token	0	false	["default"]	2423807

(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/Users.png>)

(<https://github.com/Caiyeon/goldfish/blob/master/screenshots/Policies.png>)

Developing or testing goldfish

Running locally

You'll need go (v1.8), npm (>=3), and nodejs (>=5).

```
go get github.com/caiyeon/goldfish
cd $GOPATH/src/github.com/caiyeon/goldfish

# you'll need a vault instance. Force a root token for consistency
vault server -dev -dev-root-token-id=goldfish &
export VAULT_ADDR=http://127.0.0.1:8200
export VAULT_TOKEN=goldfish

# this transit key is needed to encrypt/decrypt user credentials
vault mount transit
vault write -f transit/keys/goldfish

# see vagrant/policies/goldfish.hcl for the required policy.
# transit key is not changable, but the secret path containing run-time settings can be changed
vault policy-write goldfish vagrant/policies/goldfish.hcl

# goldfish launches strictly from approle, because passing a token that humans can see would be silly
vault auth-enable approle
vault write auth/approle/role/goldfish role_name=goldfish secret_id_ttl=5m token_ttl=480h \
token_max_ttl=720h secret_id_num_uses=1 policies=default,goldfish
vault write auth/approle/role/goldfish/role-id role_id=goldfish

# build the backend server
go install

# run backend server with secret_id generated from approle
# -dev arg skips reading settings from vault and uses a default set
goldfish -dev -vault_token $(vault write -f -wrap-ttl=20m \
-format=json auth/approle/role/goldfish/secret-id \
| jq -r .wrap_info.token)

# run frontend in dev mode (with hot reload)
cd frontend
sudo npm install -g cross-env
npm install
npm run dev

# a browser window/tab should open, pointing directly to goldfish

# "-dev" disables many security standards. DO NOT USE -dev IN PRODUCTION!
```

Using a VM

While go and npm works decently on Windows, there is a one-line solution to spinning up a VM which will contain a dev vault instance and goldfish hot-reload.

You'll need Vagrant (<https://www.vagrantup.com/downloads.html>) and VirtualBox (<https://www.virtualbox.org/>). On Windows, a restart after installation is needed.

```
# if you wish to launch goldfish in a VM:
git clone https://github.com/Caiyeon/goldfish.git
cd goldfish/vagrant

# this will take awhile
vagrant up --provision

# open up localhost:8001 in chrome on your local machine. You can login with token 'goldfish'
```

Development

Goldfish is being actively maintained (with new features every 1-2 weeks).

Contributions are welcomed. Feel free to pick up an issue and make a pull request, or open a new issue for a feature enhancement.

The Vagrant setup should provide a consistent dev environment.

Components

Frontend:

- VueJS
- Bulma CSS
- Vue Admin

Backend:

- Vault API (<https://godoc.org/github.com/hashicorp/vault/api>) wrapper

Design

See: Architecture (<https://github.com/Caiyeon/goldfish/wiki/Architecture>)

Why 'Goldfish'?

This server should behave as a goldfish, forgetting everything immediately after a request is completed. That, and other inside-joke reasons.

Credits for the goldfish icon goes to Laurel Chan (<https://www.linkedin.com/in/laurel-chan-11baa286>)

Dependencies

frontend/package.json (https://github.com/Caiyeon/goldfish/blob/master/frontend/package.json)	Kind	Requirements	Latest Stable	Latest Release	Licenses
animate.css (/npm/animate.css)	runtime	3.5.2	3.6.1	3.6.1	MIT (/licenses/
animejs (/npm/animejs)	runtime	^2.0.1	2.2.0	2.2.0	MIT (/licenses/
autoprefixer (/npm/autoprefixer)	development	^6.7.6	8.1.0	8.1.0	MIT (/licenses/
axios (/npm/axios)	runtime	^0.15.3	0.18.0	0.18.0	MIT (/licenses/
babel-core (/npm/babel-core)	development	^6.21.0	6.26.0	7.0.0-bridge.0	MIT (/licenses/
babel-eslint (/npm/babel-eslint)	development	^7.1.1	8.2.2	8.2.2	MIT (/licenses/
babel-loader (/npm/babel-loader)	development	^6.2.10	7.1.4	8.0.0-beta.2	MIT (/licenses/
babel-plugin-transform-expo... (/npm/babel-plugin-transform-export-extensions)	development	^6.8.0	6.22.0	7.0.0-alpha.19	MIT (/licenses/
babel-preset-es2015 (/npm/babel-preset-es2015)	development	^6.14.0	6.24.1	7.0.0-beta.3	MIT (/licenses/
babel-preset-stage-2 (/npm/babel-preset-stage-2)	development	^6.17.0	6.24.1	7.0.0-beta.3	MIT (/licenses/
bulma (/npm/bulma)	runtime	^0.4.1	0.6.2	0.6.2	MIT (/licenses/
connect-history-api-fallback (/npm/connect-history-api-fallback)	development	^1.3.0	1.5.0	1.5.0	MIT (/licenses/
cross-env (/npm/cross-env)	development	^3.1.3	5.1.4	5.1.4	MIT (/licenses/

frontend/package.json (https://github.com/Caiyeon/goldfish/blob/master/frontend/package.json)	Kind	Requirements	Latest Stable	Latest Release	Licenses
css-loader (/npm/css-loader)	development	^0.26.1	0.28.11	0.28.11	MIT (/licenses/
electron-devtools-installer (/npm/electron-devtools-installer)	development	^2.0.1	2.2.3	2.2.3	MIT (/licenses/
eslint (/npm/eslint)	development	^3.12.2	4.19.0	4.19.0	MIT (/licenses/
eslint-config-standard (/npm/eslint-config-standard)	development	^7.0.0	11.0.0	11.0.0	MIT (/licenses/
eslint-friendly-formatter (/npm/eslint-friendly-formatter)	development	^2.0.7	3.0.0	3.0.0	MIT (/licenses/
eslint-loader (/npm/eslint-loader)	development	^1.6.1	2.0.0	2.0.0	MIT (/licenses/
eslint-plugin-html (/npm/eslint-plugin-html)	development	^2.0.1	4.0.2	4.0.2	ISC (/licenses/
eslint-plugin-promise (/npm/eslint-plugin-promise)	development	^3.5.0	3.7.0	3.7.0	ISC (/licenses/
eslint-plugin-standard (/npm/eslint-plugin-standard)	development	^2.1.1	3.0.1	3.0.1	MIT (/licenses/
eventssource-polyfill (/npm/eventssource-polyfill)	development	^0.9.6	0.9.6	0.9.6	MIT (/licenses/
express (/npm/express)	development	^4.15.0	4.16.3	5.0.0-alpha.6	MIT (/licenses/
extract-text-webpack-plugin (/npm/extract-text-webpack-plugin)	development	^2.0.0-beta.4	3.0.2	4.0.0-beta.0	MIT (/licenses/
file-loader (/npm/file-loader)	development	^0.10.1	1.1.11	1.1.11	MIT (/licenses/
font-awesome (/npm/font-awesome)	runtime	4.7.0	4.7.0	4.7.0	MIT (/licenses/
github-buttons (/npm/github-buttons)	runtime	https://gith...	0.0.0	0.0.1-security	ISC (/licenses/
html-webpack-plugin (/npm/html-webpack-plugin)	development	^2.25.0	3.0.7	3.0.7	MIT (/licenses/
http-proxy-middleware (/npm/http-proxy-middleware)	development	^0.17.4	0.18.0	0.18.0	MIT (/licenses/
imports-loader (/npm/imports-loader)	development	^0.7.0	0.8.0	0.8.0	MIT (/licenses/
mdi (/npm/mdi)	runtime	^1.8.36	2.1.99	2.1.99	OFL-1.1 (/licenses/1.1)/MIT (/licenses/
node-sass (/npm/node-sass)	development	^4.1.1	4.8.3	4.8.3	MIT (/licenses/
opn (/npm/opn)	development	^4.0.2	5.3.0	5.3.0	MIT (/licenses/
ora (/npm/ora)	development	^1.1.0	2.0.0	2.0.0	MIT (/licenses/
plotly.js (/npm/plotly.js)	runtime	^1.24.0	1.35.2	1.35.2	MIT (/licenses/
postcss-loader (/npm/postcss-loader)	development	^1.3.3	2.1.3	2.1.3	MIT (/licenses/

frontend/package.json (https://github.com/Caiyeon/goldfish/blob/master/frontend/package.json)	Kind	Requirements	Latest Stable	Latest Release	Licenses
progress-bar-webpack-plugin (/npm/progress-bar-webpack-plugin)	development	^1.9.1	1.11.0	1.11.0	MIT (/licenses/
sass-loader (/npm/sass-loader)	development	^6.0.2	6.0.7	6.0.7	MIT (/licenses/
serve-favicon (/npm/serve-favicon)	development	^2.4.1	2.4.5	2.4.5	MIT (/licenses/
style-loader (/npm/style-loader)	development	^0.13.1	0.20.3	0.20.3	MIT (/licenses/
stylus (/npm/stylus)	development	^0.54.5	0.54.5	0.54.5	MIT (/licenses/
stylus-loader (/npm/stylus-loader)	development	^2.4.0	3.0.2	3.0.2	MIT (/licenses/
url-loader (/npm/url-loader)	development	^0.5.7	1.0.1	1.0.1	MIT (/licenses/
vue (/npm/vue)	runtime	^2.2.1	2.5.16	2.5.16	MIT (/licenses/
vue-bulma-brace (/npm/vue-bulma-brace)	runtime	^0.1.0	0.1.0	0.1.0	MIT (/licenses/
vue-bulma-breadcrumb (/npm/vue-bulma-breadcrumb)	runtime	^1.0.1	1.0.1	1.0.1	MIT (/licenses/
vue-bulma-card (/npm/vue-bulma-card)	runtime	^1.0.2	1.0.2	1.0.2	MIT (/licenses/
vue-bulma-chartist (/npm/vue-bulma-chartist)	runtime	^1.1.0	1.1.0	1.1.0	MIT (/licenses/
vue-bulma-chartjs (/npm/vue-bulma-chartjs)	runtime	^1.0.4	1.0.5	1.0.5	MIT (/licenses/
vue-bulma-collapse (/npm/vue-bulma-collapse)	runtime	1.0.3	1.0.3	1.0.3	MIT (/licenses/
vue-bulma-datepicker (/npm/vue-bulma-datepicker)	runtime	^1.2.9	2.0.1	2.0.1	MIT (/licenses/
vue-bulma-emoji (/npm/vue-bulma-emoji)	runtime	^0.0.2	0.0.2	0.0.2	MIT (/licenses/
vue-bulma-expanding (/npm/vue-bulma-expanding)	runtime	^0.0.1	0.0.1	0.0.1	MIT (/licenses/
vue-bulma-jump (/npm/vue-bulma-jump)	runtime	^0.0.2	0.0.2	0.0.2	MIT (/licenses/
vue-bulma-message (/npm/vue-bulma-message)	runtime	^1.1.1	1.1.1	1.1.1	MIT (/licenses/
vue-bulma-modal (/npm/vue-bulma-modal)	runtime	1.0.1	1.0.1	2.0.0-alpha.2	MIT (/licenses/
vue-bulma-notification (/npm/vue-bulma-notification)	runtime	^1.1.1	1.1.1	1.1.1	MIT (/licenses/
vue-bulma-progress-bar (/npm/vue-bulma-progress-bar)	runtime	^1.0.2	1.0.2	1.0.2	MIT (/licenses/
vue-bulma-progress-tracker (/npm/vue-bulma-progress-tracker)	runtime	0.0.4	0.0.4	0.0.4	MIT (/licenses/
vue-bulma-quill (/npm/vue-bulma-quill)	runtime	0.0.1	0.0.1	0.0.1	MIT (/licenses/
vue-bulma-rating (/npm/vue-bulma-rating)	runtime	^1.0.1	1.0.1	1.0.1	MIT (/licenses/

frontend/package.json (https://github.com/Caiyeon/goldfish/blob/master/frontend/package.json)	Kind	Requirements	Latest Stable	Latest Release	Licenses
vue-bulma-slider (/npm/vue-bulma-slider)	runtime	^1.0.2	1.0.2	1.0.2	MIT (/licenses/
vue-bulma-switch (/npm/vue-bulma-switch)	runtime	^1.0.4	1.0.5	2.0.0-alpha.3	MIT (/licenses/
vue-bulma-tabs (/npm/vue-bulma-tabs)	runtime	^1.1.2	1.1.2	1.1.2	MIT (/licenses/
vue-bulma-tooltip (/npm/vue-bulma-tooltip)	runtime	^1.0.3	1.0.4	1.0.4	MIT (/licenses/
vue-cleave (/npm/vue-cleave)	runtime	1.1.1	1.2.2	1.2.2	MIT (/licenses/
vue-html-loader (/npm/vue-html-loader)	development	^1.2.3	2.0.0	2.0.0	MIT (/licenses/
vue-loader (/npm/vue-loader)	development	^11.1.4	14.2.1	14.2.1	MIT (/licenses/
vue-lory (/npm/vue-lory)	runtime	0.0.4	0.0.5	0.0.5	MIT (/licenses/
vue-nprogress (/npm/vue-nprogress)	runtime	0.1.5	0.1.5	0.1.5	MIT (/licenses/
vue-peity (/npm/vue-peity)	runtime	0.5.0	0.5.0	0.5.0	MIT (/licenses/
vue-router (/npm/vue-router)	runtime	^2.3.0	3.0.1	3.0.1	MIT (/licenses/
vue-template-compiler (/npm/vue-template-compiler)	development	^2.2.1	2.5.16	2.5.16	MIT (/licenses/
vuex (/npm/vuex)	runtime	^2.2.1	3.0.1	3.0.1	MIT (/licenses/
vuex-router-sync (/npm/vuex-router-sync)	runtime	^4.1.2	5.0.0	5.0.0	MIT (/licenses/
webpack (/npm/webpack)	development	^2.2.1	4.2.0	4.2.0	MIT (/licenses/
webpack-dev-middleware (/npm/webpack-dev-middleware)	development	^1.9.0	3.0.1	3.0.1	MIT (/licenses/
webpack-hot-middleware (/npm/webpack-hot-middleware)	development	^2.14.0	2.21.2	2.21.2	MIT (/licenses/
webpack-merge (/npm/webpack-merge)	development	^3.0.0	4.1.2	4.1.2	MIT (/licenses/
wysiwyg.css (/npm/wysiwyg.css)	runtime	0.0.2	0.0.2	0.0.2	MIT (/licenses/

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
3d-view (/npm/3d-view)	runtime		2.0.0	2.0.0	MIT (/licenses/MIT)
3d-view-controls (/npm/3d-view-controls)	runtime		2.2.2	2.2.2	MIT (/licenses/MIT)
7zip (/npm/7zip)	runtime		0.0.6	0.0.6	GPL-3.0 (/licenses/G 3.0)
JSV (/npm/JSV)	runtime		4.0.2	4.0.2	BSD-2-Clause-FreeE (/licenses/BSD-2-Cla FreeBSD)
a-big-triangle (/npm/a-big-triangle)	runtime		1.0.3	1.0.3	MIT (/licenses/MIT)

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
abbrev (/npm/abbrev)	runtime		1.1.1	1.1.1	ISC (/licenses/ISC)
accepts (/npm/accepts)	runtime		1.3.5	1.3.5	MIT (/licenses/MIT)
acorn (/npm/acorn)	runtime		5.5.3	5.5.3	MIT (/licenses/MIT)
acorn-dynamic-import (/npm/acorn-dynamic-import)	runtime		3.0.0	3.0.0	MIT (/licenses/MIT)
acorn-jsx (/npm/acorn-jsx)	runtime		4.1.1	4.1.1	MIT (/licenses/MIT)
add-line-numbers (/npm/add-line-numbers)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
affine-hull (/npm/affine-hull)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
ajv (/npm/ajv)	runtime		6.3.0	6.3.0	MIT (/licenses/MIT)
ajv-keywords (/npm/ajv-keywords)	runtime		3.1.0	3.1.0	MIT (/licenses/MIT)
align-text (/npm/align-text)	runtime		1.0.2	1.0.2	MIT (/licenses/MIT)
alpha-complex (/npm/alpha-complex)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
alpha-shape (/npm/alpha-shape)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
alphanum-sort (/npm/alphanum-sort)	runtime		1.0.2	1.0.2	MIT (/licenses/MIT)
amdefine (/npm/amdefine)	runtime		1.0.1	1.0.1	BSD-3-Clause-Clear (/licenses/BSD-3-Clause-Clear)
animate.css (/npm/animate.css)	runtime		3.6.1	3.6.1	MIT (/licenses/MIT)
animejs (/npm/animejs)	runtime		2.2.0	2.2.0	MIT (/licenses/MIT)
ansi-escapes (/npm/ansi-escapes)	runtime		3.0.0	3.0.0	MIT (/licenses/MIT)
ansi-html (/npm/ansi-html)	runtime		0.0.7	0.0.7	Apache-2.0 (/licenses/Apache-2.0)
ansi-regex (/npm/ansi-regex)	runtime		3.0.0	3.0.0	MIT (/licenses/MIT)
ansi-styles (/npm/ansi-styles)	runtime		3.2.1	3.2.1	MIT (/licenses/MIT)
anymatch (/npm/anymatch)	runtime		2.0.0	2.0.0	ISC (/licenses/ISC)
aproba (/npm/aproba)	runtime		1.2.0	1.2.0	ISC (/licenses/ISC)
are-we-there-yet (/npm/are-we-there-yet)	runtime		1.1.4	1.1.4	ISC (/licenses/ISC)
argparse (/npm/argparse)	runtime		1.0.10	1.0.10	MIT (/licenses/MIT)
arr-diff (/npm/arr-diff)	runtime		4.0.0	4.0.0	MIT (/licenses/MIT)
arr-flatten (/npm/arr-flatten)	runtime		1.1.0	1.1.0	MIT (/licenses/MIT)
array-differ (/npm/array-differ)	runtime		2.0.3	2.0.3	MIT (/licenses/MIT)
array-find-index (/npm/array-find-index)	runtime		1.0.2	1.0.2	MIT (/licenses/MIT)
array-flatten (/npm/array-flatten)	runtime		2.1.1	2.1.1	MIT (/licenses/MIT)
array-union (/npm/array-union)	runtime		1.0.2	1.0.2	MIT (/licenses/MIT)
array-uniq (/npm/array-uniq)	runtime		1.0.3	1.0.3	MIT (/licenses/MIT)
array-unique (/npm/array-unique)	runtime		0.3.2	0.3.2	MIT (/licenses/MIT)
arraytools (/npm/arraytools)	runtime		1.1.2	1.1.2	MIT (/licenses/MIT)
arrify (/npm/arrify)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
asn1 (/npm/asn1)	runtime		0.2.3	0.2.3	MIT (/licenses/MIT)
asn1.js (/npm/asn1.js)	runtime		5.0.0	5.0.0	MIT (/licenses/MIT)
assert (/npm/assert)	runtime		1.4.1	1.4.1	MIT (/licenses/MIT)
assert-plus (/npm/assert-plus)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
ast-types (/npm/ast-types)	runtime		0.11.3	0.11.3	MIT (/licenses/MIT)

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
async (/npm/async)	runtime		2.6.0	2.6.0	MIT (/licenses/MIT)
async-each (/npm/async-each)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
async-foreach (/npm/async-foreach)	runtime		0.1.3	0.1.3	MIT (/licenses/MIT)
asynckit (/npm/asynckit)	runtime		0.4.0	0.4.0	MIT (/licenses/MIT)
atob-lite (/npm/atob-lite)	runtime		2.0.0	2.0.0	MIT (/licenses/MIT)
autoprefixer (/npm/autoprefixer)	runtime		8.1.0	8.1.0	MIT (/licenses/MIT)
aws-sign2 (/npm/aws-sign2)	runtime		0.7.0	0.7.0	Apache-2.0 (/licenses/Apache-2.0)
aws4 (/npm/aws4)	runtime		1.6.0	1.6.0	MIT (/licenses/MIT)
axios (/npm/axios)	runtime		0.18.0	0.18.0	MIT (/licenses/MIT)
babel-code-frame (/npm/babel-code-frame)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-core (/npm/babel-core)	runtime		6.26.0	7.0.0-bridge.0	MIT (/licenses/MIT)
babel-eslint (/npm/babel-eslint)	runtime		8.2.2	8.2.2	MIT (/licenses/MIT)
babel-generator (/npm/babel-generator)	runtime		6.26.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-bindify-decorators (/npm/babel-helper-bindify-decorators)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-builder-binary-assignment-operator-visitor (/npm/babel-helper-builder-binary-assignment-operator-visitor)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-call-delegate (/npm/babel-helper-call-delegate)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-define-map (/npm/babel-helper-define-map)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-explode-assignable-expression (/npm/babel-helper-explode-assignable-expression)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-explode-class (/npm/babel-helper-explode-class)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-function-name (/npm/babel-helper-function-name)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-get-function-arity (/npm/babel-helper-get-function-arity)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-hoist-variables (/npm/babel-helper-hoist-variables)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-optimise-call-expression (/npm/babel-helper-optimise-call-expression)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-regex (/npm/babel-helper-regex)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-remap-async-to-generator (/npm/babel-helper-remap-async-to-generator)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helper-replace-supers (/npm/babel-helper-replace-supers)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-helpers (/npm/babel-helpers)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-loader (/npm/babel-loader)	runtime		7.1.4	8.0.0-beta.2	MIT (/licenses/MIT)

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
babel-messages (/npm/babel-messages)	runtime		6.23.0	7.0.0-beta.2	MIT (/licenses/MIT)
babel-plugin-check-es2015-c... (/npm/babel-plugin-check-es2015-constants)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-async-f... (/npm/babel-plugin-syntax-async-functions)	runtime		6.13.0	7.0.0-beta.0	MIT (/licenses/MIT)
babel-plugin-syntax-async-g... (/npm/babel-plugin-syntax-async-generators)	runtime		6.13.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-class-p... (/npm/babel-plugin-syntax-class-properties)	runtime		6.13.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-decorators (/npm/babel-plugin-syntax-decorators)	runtime		6.13.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-dynamic... (/npm/babel-plugin-syntax-dynamic-import)	runtime		6.18.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-exponen... (/npm/babel-plugin-syntax-exponentiation-operator)	runtime		6.13.0	7.0.0-beta.0	MIT (/licenses/MIT)
babel-plugin-syntax-export-... (/npm/babel-plugin-syntax-export-extensions)	runtime		6.13.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-object-... (/npm/babel-plugin-syntax-object-rest-spread)	runtime		6.13.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-syntax-trailin... (/npm/babel-plugin-syntax-trailing-function-commas)	runtime		6.22.0	7.0.0-beta.0	MIT (/licenses/MIT)
babel-plugin-transform-asyn... (/npm/babel-plugin-transform-async-generator-functions)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-asyn... (/npm/babel-plugin-transform-async-to-generator)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-clas... (/npm/babel-plugin-transform-class-properties)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-deco... (/npm/babel-plugin-transform-decorators)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-arrow-functions)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-block-scoped-functions)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-block-scoping)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-classes)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-computed-properties)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-destructuring)	runtime		6.23.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-duplicate-keys)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-for-of)	runtime		6.23.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-function-name)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-literals)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-modules-amd)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-modules-commonjs)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-modules-systemjs)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-modules-umd)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-object-super)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-parameters)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-shorthand-properties)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-spread)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-sticky-regex)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-template-literals)	runtime		6.22.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-typeof-symbol)	runtime		6.23.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-es20... (/npm/babel-plugin-transform-es2015-unicode-regex)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-expo... (/npm/babel-plugin-transform-exponentiation-operator)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-expo... (/npm/babel-plugin-transform-export-extensions)	runtime		6.22.0	7.0.0-alpha.19	MIT (/licenses/MIT)
babel-plugin-transform-obje... (/npm/babel-plugin-transform-object-rest-spread)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-rege... (/npm/babel-plugin-transform-regenerator)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-plugin-transform-stri... (/npm/babel-plugin-transform-strict-mode)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-preset-es2015 (/npm/babel-preset-es2015)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-preset-stage-2 (/npm/babel-preset-stage-2)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-preset-stage-3 (/npm/babel-preset-stage-3)	runtime		6.24.1	7.0.0-beta.3	MIT (/licenses/MIT)
babel-register (/npm/babel-register)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-runtime (/npm/babel-runtime)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-template (/npm/babel-template)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-traverse (/npm/babel-traverse)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)
babel-types (/npm/babel-types)	runtime		6.26.0	7.0.0-beta.3	MIT (/licenses/MIT)

frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)	Kind	Requirements	Latest Stable	Latest Release	Licenses
babylon (/npm/babylon)	runtime		6.18.0	7.0.0-beta.42	MIT (/licenses/MIT)
balanced-match (/npm/balanced-match)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
barycentric (/npm/barycentric)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
base64-js (/npm/base64-js)	runtime		1.2.3	1.2.3	MIT (/licenses/MIT)
bcrypt-pbkdf (/npm/bcrypt-pbkdf)	runtime		1.0.1	1.0.1	BSD-3-Clause (/licenses/BSD-3-Cla
beeper (/npm/beeper)	runtime		1.1.1	1.1.1	MIT (/licenses/MIT)
big-rat (/npm/big-rat)	runtime		1.0.4	1.0.4	MIT (/licenses/MIT)
big.js (/npm/big.js)	runtime		5.0.3	5.0.3	MIT (/licenses/MIT)
binary-extensions (/npm/binary-extensions)	runtime		1.11.0	1.11.0	MIT (/licenses/MIT)
binary-search-bounds (/npm/binary-search-bounds)	runtime		2.0.4	2.0.4	MIT (/licenses/MIT)
bit-twiddle (/npm/bit-twiddle)	runtime		1.0.2	1.0.2	MIT (/licenses/MIT)
bl (/npm/bl)	runtime		1.2.1	1.2.1	MIT (/licenses/MIT)
block-stream (/npm/block-stream)	runtime		0.0.9	0.0.9	ISC (/licenses/ISC)
bluebird (/npm/bluebird)	runtime		3.5.1	3.5.1	MIT (/licenses/MIT)
bn.js (/npm/bn.js)	runtime		4.11.8	4.11.8	MIT (/licenses/MIT)
boolbase (/npm/boolbase)	runtime		1.0.0	1.0.0	ISC (/licenses/ISC)
boom (/npm/boom)	runtime		7.2.0	7.2.0	BSD-3-Clause (/licenses/BSD-3-Cla
bops (/npm/bops)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
boundary-cells (/npm/boundary-cells)	runtime		2.0.1	2.0.1	MIT (/licenses/MIT)
box-intersect (/npm/box-intersect)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
brace (/npm/brace)	runtime		0.11.1	0.11.1	MIT (/licenses/MIT)
brace-expansion (/npm/brace-expansion)	runtime		1.1.11	1.1.11	MIT (/licenses/MIT)
braces (/npm/braces)	runtime		2.3.1	2.3.1	MIT (/licenses/MIT)
brfs (/npm/brfs)	runtime		1.5.0	1.5.0	MIT (/licenses/MIT)
brorand (/npm/brorand)	runtime		1.1.0	1.1.0	MIT (/licenses/MIT)
browserify-aes (/npm/browserify-aes)	runtime		1.1.1	1.1.1	MIT (/licenses/MIT)
browserify-cipher (/npm/browserify-cipher)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
browserify-des (/npm/browserify-des)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
browserify-rsa (/npm/browserify-rsa)	runtime		4.0.1	4.0.1	MIT (/licenses/MIT)
browserify-sign (/npm/browserify-sign)	runtime		4.0.4	4.0.4	ISC (/licenses/ISC)
browserify-zlib (/npm/browserify-zlib)	runtime		0.2.0	0.2.0	MIT (/licenses/MIT)
browserslist (/npm/browserslist)	runtime		3.2.0	3.2.0	MIT (/licenses/MIT)
buffer (/npm/buffer)	runtime		5.1.0	5.1.0	MIT (/licenses/MIT)
buffer-equal (/npm/buffer-equal)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
buffer-shims (/npm/buffer-shims)	runtime		1.0.0	1.0.0	MIT (/licenses/MIT)
buffer-xor (/npm/buffer-xor)	runtime		2.0.2	2.0.2	MIT (/licenses/MIT)
builtin-modules (/npm/builtin-modules)	runtime		2.0.0	2.0.0	MIT (/licenses/MIT)
builtin-status-codes (/npm/builtin-status-codes)	runtime		3.0.0	3.0.0	MIT (/licenses/MIT)
bulma (/npm/bulma)	runtime		0.6.2	0.6.2	MIT (/licenses/MIT)

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frontend/yarn.lock (https://github.com/Caiyeon/goldfish/blob/master/frontend/yarn.lock)			Latest Stable	Latest Release	Licenses
call-matcher (/npm/call-matcher)	runtime		1.0.1	1.0.1	MIT (/licenses/MIT)
caller-path (/npm/caller-path)	runtime		2.0.0	2.0.0	MIT (/licenses/MIT)