# Building a new Design System

Step 1: Icons

Amy Lam

# About me

👋 I am a Senior Engineer, Design Systems & Accessibility at HashiCorp. I live in San Francisco, but lurk in TorontoJS!

- Product-minded developer with a focus on the frontend
- Fan of Design Systems, User Experience (UX), and Developer Experience (DX)
- [@amyrlam](#) on Twitter

# About HashiCorp

Our software stack enables the provisioning, securing, connecting, and running of apps and the infrastructure to support them.

We unlock the cloud operating model for every business and enable their digital transformation strategies to succeed.

Terraform

Vagrant

Packer

Vault

Boundary

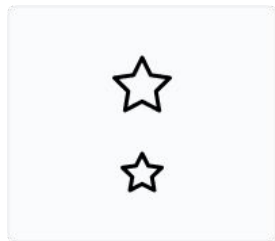Consul

Nomad

Waypoint

# Step 1: Icons

Why icons? Icons provided an avenue to bring the Product and Marketing sides of the company together.

- Get folks speaking the same visual language across different products and frontend frameworks
- Opportunity to make a wide impact, to pave the way for the adoption of the new HashiCorp Design System
- Shipped Ember component in @hashicorp/ember-flight-icons
- Shipped framework-agnostic raw SVGs in @hashicorp/flight-icons
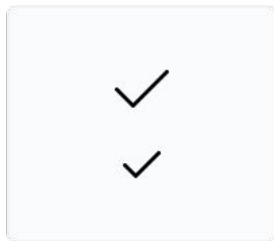
# Icon design

**Default: Generic**



star



check

**Filled**
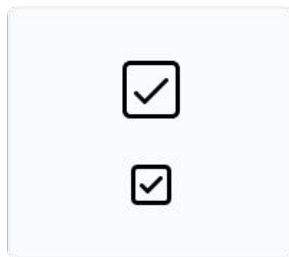


star-fill



star-fill

**Off**
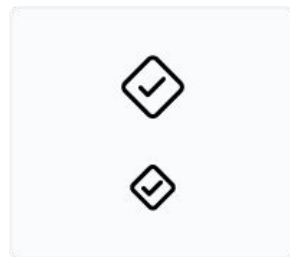


star-off

**Contained**



check-circle



check-square



check-diamond



check-hexagon

# Icon design usage

Use the Filled style where contrast against other icons is important

# Icon component code

```
<FlightIcon @name="alert-circle" />
```

alert-circle-16

```
<svg
  class="flight-icon flight-icon-alert-circle flight-icon-display-inline"
  aria-hidden="true"
  data-test-icon="alert-circle"
  fill="currentColor"
  id="icon-ember6"
  width="16"
  height="16"
  viewBox="0 0 16 16"
  xmlns="http://www.w3.org/2000/svg"
>
  <use href="#alert-circle-16"></use>
</svg>
```

# Icon component props

- **@name**: Only **@name** is required
- **@color**: Defaults to a fill of "currentColor", can override with our color design tokens
- **@size**: Defaults to 16px square, controls the **width** and **height**, other variant is 24px
- **@stretched**: Defaults to "false"
  - Stretched is if the SVG should have 100% **width** and **height**, e.g. if it should stretch to fill the parent container
- **@isInlineBlock**: Defaults to display: inline-block, pass in @isInlineBlock={{false}} to override
- Can add additional CSS classes as needed

# Icon engineering fun facts

- We use Node scripts to automate the SVG export from Figma
  - One source of truth that populates icons in @hashicorp/ember-flight-icons and @hashicorp/flight-icons
- Use Percy.io visual regression testing to check icon display and API variants from each new Figma export
- Accessibility guidelines
- Put icon name synonyms in Figma under the description field 🔥
- Flight is open source, check it out:
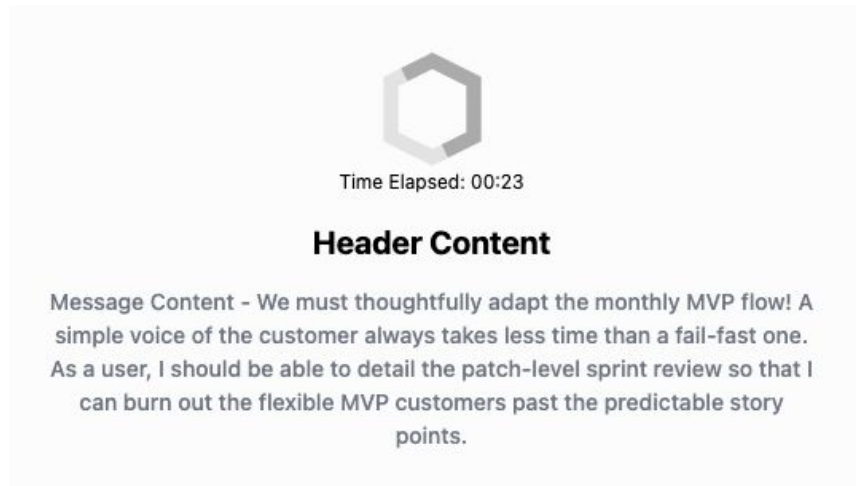  - github.com/hashicorp/flight
  - flight-hashicorp.vercel.app

👉 live demo
👉

# Looking forward

Existing loading spinner

Portion of the icons animate

Time Elapsed: 00:23

**Header Content**

Message Content - We must thoughtfully adapt the monthly MVP flow! A simple voice of the customer always takes less time than a fail-fast one. As a user, I should be able to detail the patch-level sprint review so that I can burn out the flexible MVP customers past the predictable story points.

HUG Organizers

# Thank You

hello@hashicorp.com
www.hashicorp.com