



PatternFly Community Meeting

March 28th, 2023

www.patternfly.org/v4

PatternFly community meeting privacy notice

- Please note: meetings are recorded and made publicly available on YouTube.
- You are welcome to keep your camera off and/or [change your display name](#) if you would like to maintain more privacy while on the call.
- Recordings are posted without any attendee or presenter names in the video descriptions.
- Presenters will be introduced using their display name on the call. You are welcome to verbally further identify yourself when presenting if you are comfortable.
- If any attendee wishes the video to be removed from public availability from YouTube for any reason, at any time, please let me know and it will be made private or removed immediately.



Agenda

Topics

- Community topics - Nicole
- Latest release notes links - Nicole
- Patternfly Yew - Jens
- Extension of the month! - Catalog view - Jessie
- PF Logo & Homepage design update - Lucia & Michael
- Preventing style collisions in v5 - Matt

Q&A



Community updates

- Update on [v5 major release timeline](#)
 - We are all hands on deck for PF v5, tested in May and released in June 2023
 - We are about to begin our second round of v5 alpha testing
 - Updated a Koku, Keycloak, OCP, and OCM to use the alpha test candidate versions of PF + others
 - Run the codemods on the code base
 - Evaluate level of effort for making changes that codemods couldn't automatically fix.
 - A summary of our process and results can be found [in this document](#).
 - Contact Nicole (nthoen@redhat.com) if you're interested in aiding with testing in your project.



Latest Release Notes - Milestone 2023.02

- Milestone 2023.02
 - [React release notes](#)

** This was a patch release of PatternFly v4.

We are still currently working towards a major release of the next major version of PatternFly and you can view a summary of the high impact/high priority issues on [this Project Board](#).





PatternFly Yew



PatternFly Yew

- **Yew:** “A framework for creating reliable and efficient web applications.”
- Using **Rust**, compiling to **WebAssembly**
- Yew uses concepts similar to ReactJS in the JavaScript world
- **PatternFly Yew** provides Yew components built on top of PatternFly



PatternFly Yew

The screenshot displays the PatternFly Yew documentation interface. On the left is a dark sidebar with a navigation menu listing various components: usadge, Breadcrumb, Button, Chip, Clipboard, Code Block, Context Selector, Dropdown, Empty state (highlighted), Expandable Section, Form, Label, Modal, Popover, Select, Slider, Spinner, Switch, Table, Tabs, Text, Title, Toast, Tooltip, Tree, Layouts, and Full Page. The main content area is titled "Empty state" and contains two examples. Each example shows a visual representation of an empty state with a cube icon, a title, a primary action button, and secondary text links. To the right of each example is a code block showing the corresponding HTML template code.

Empty state

Empty state

Example

This section should explain why the state is empty, and what you can do next.

```
Code
```

```
html!{  
  <EmptyState  
    title="Empty state"  
    icon={Icon::Cubes}  
    primary={Action::new("Push me", ctx.link().callback(|_|{}))}  
    secondaries={vec![  
      Action::new("Try me", ctx.link().callback(|_|{})),  
      Action::new("Me too", ctx.link().callback(|_|{})),  
      Action::new("Here, here", ctx.link().callback(|_|{})),  
    ]}  
  >  
  {"This section should explain why the state is empty, and what you can do next."}  
</EmptyState>  
}
```

Empty state (XLarge)

Example

This section should explain why the state is empty, and what you can do next.

```
Code
```

```
html!{  
  <EmptyState  
    title="Empty state"  
    icon={Icon::Cubes}  
    size={Size::XLarge}  
    primary={Action::new("Push me", ctx.link().callback(|_|{}))}  
    secondaries={vec![  
      Action::new("Try me", ctx.link().callback(|_|{})),  
      Action::new("Me too", ctx.link().callback(|_|{})),  
      Action::new("Here, here", ctx.link().callback(|_|{})),  
    ]}  
  >  
  {"This section should explain why the state is empty, and what you can do next."}  
</EmptyState>  
}
```

<https://ctron.github.io/patternfly-yew-quickstart>



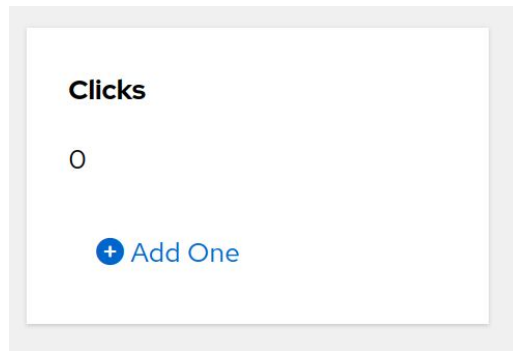
PatternFly Yew

```
#[function_component(Counter)]
pub fn counter() -> Html {
    let counter = use_state_eq(|| 0);

    let onclick = {
        let counter = counter.clone();
        Callback::from(move |_| counter.set(*counter + 1))
    };

    let title = html!("Clicks");

    html! (
        <Gallery gutter=true>
            <Card {title}>
                <p>{ *counter }</p>
                <Button label="Add One"
                    align={Align::Start} icon={Icon::PlusCircle}
                    variant={ButtonVariant::Link}
                    {onclick}>
                />
            </Card>
        </Gallery>
    )
}
```

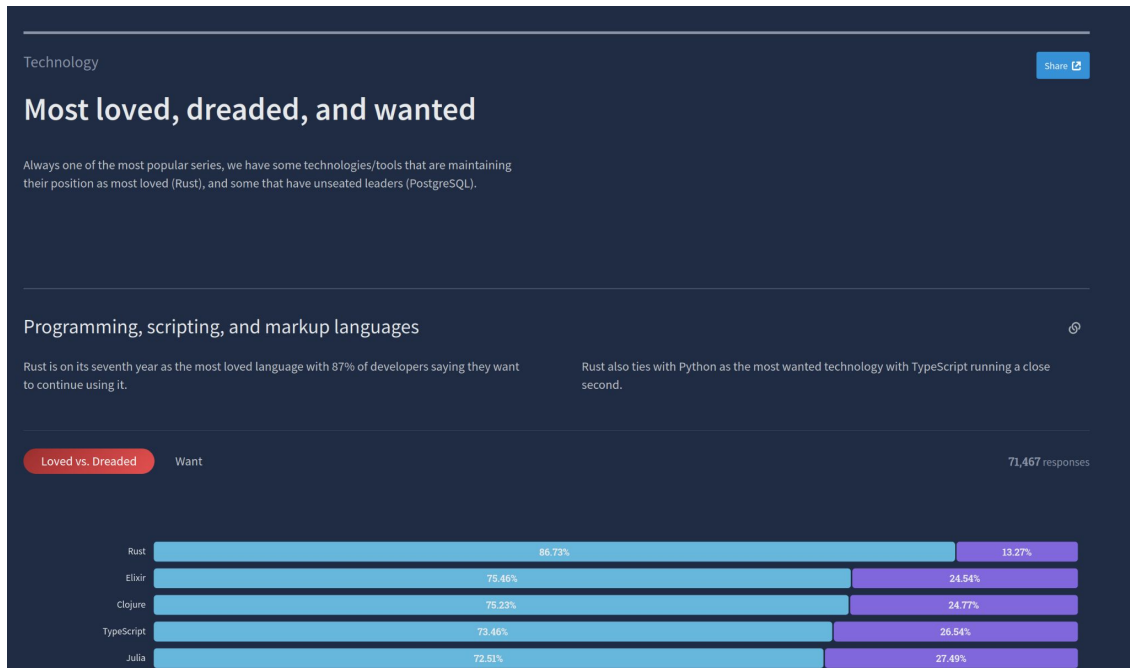


PatternFly Yew – Top 3: Why Rust?

- Find bugs during compile time, not run time
 - Strict type system
 - Lifetimes/borrow checker
 - And much more
- WebAssembly is pretty fast
 - No need to “understand” JavaScript
 - Just execute instructions
- ...



PatternFly Yew – Top 3: Why Rust?

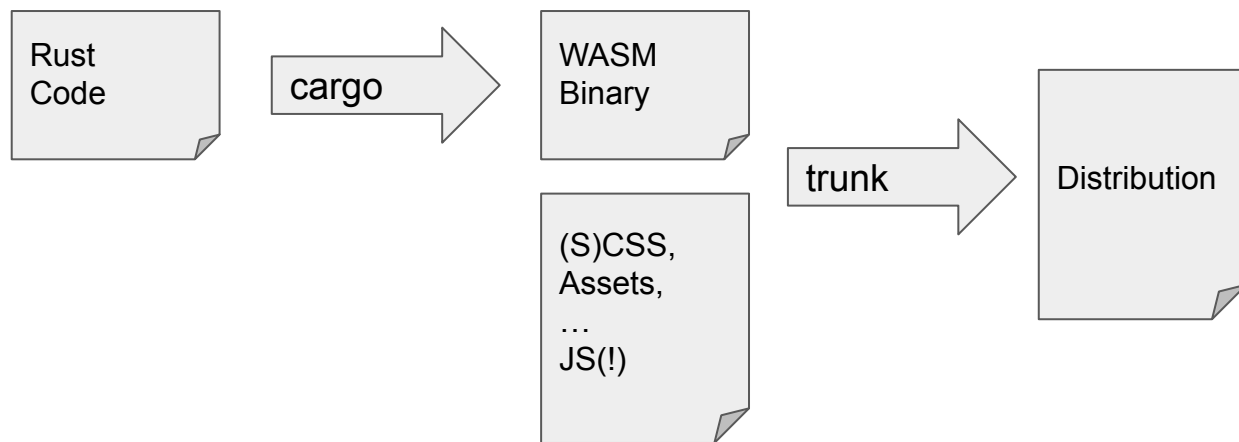


Rust is on its **seventh year** as the most loved language with **87%** of developers saying they want to continue using it.

<https://survey.stackoverflow.co/2022/#section-most-loved-dreaded-and-wanted-programming-scripting-and-markup-languages>



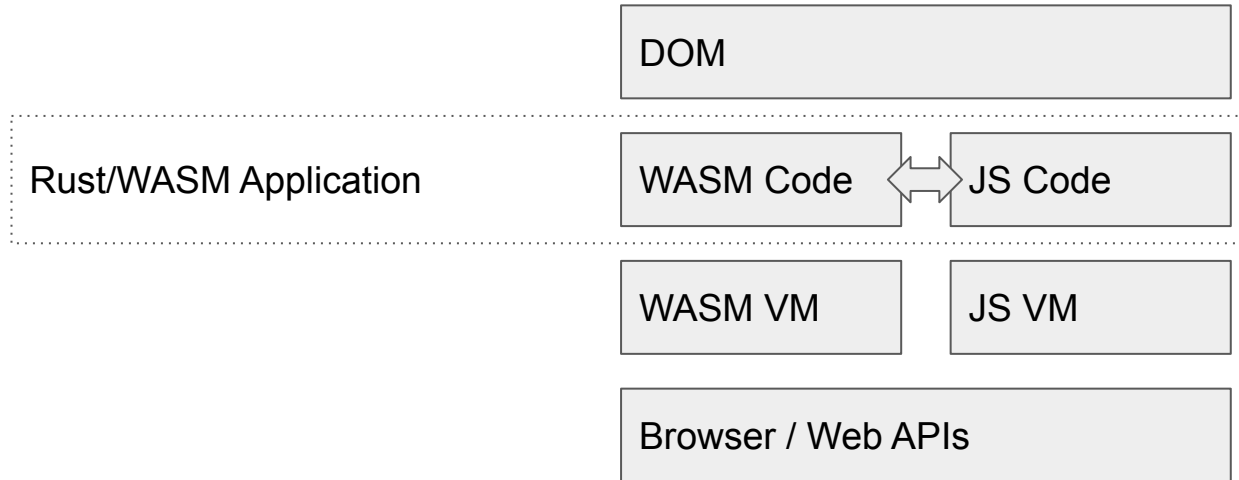
PatternFly Yew – Rust Web Toolchain¹



¹ For client-side rendering, there also is server-side rendering



PatternFly Yew – Rust Web Architecture¹



¹ For client-side rendering, there also is server-side rendering



PatternFly Yew

- History
 - Started ~2.5 years ago (Oct 2020)
 - Originating from two Red Hat sponsored upstream projects (Drogue IoT, Seedwing)
- State
 - A good amount of components are available
 - Some features and components are missing
 - Implemented on an “as needed” basis
 - Has hand full of external contributors
- Future?
 - More components & missing futures
 - Keep up with changes



Demo

PatternFly Yew

- PatternFly Yew
 - GitHub Repository: <https://github.com/ctron/patternfly-yew>
 - Quickstart/Demo: <https://ctron.github.io/patternfly-yew-quickstart>
- Other examples
 - <https://playground.seedwing.io/>
 - <https://sandbox.droque.cloud/>
- Rust & WebAssembly
 - <https://rustwasm.github.io/docs/book/>
- Yew – <https://yew.rs/>
- Trunk – <https://trunkrs.dev/>





Extension of the Month - Catalog view



Catalog View

- Allows users to create catalog (often used alongside Quick Starts)

Properties side panel with property items


Operator Version
0.9.8 (latest)


Certified Level
✔ Certified

Provider
Red Hat, Inc

Health Index
A


Repository
<https://quay.io/repository/redhat/prometheus-operator>

Container Image
0.22.2 



Created At
 Aug 23, 1:58pm

Support
Red Hat

With vendor description





 Patternfly-React
provided by Red Hat

Basic featured tile

Patternfly-React
provided by Red Hat

This is a very, very long description that should be truncated after three lines. Three lines is the default for cards without a footer. Cards with a footer are truncated after one line. Truncation function use is deprecated; please pass in a maxDescriptionLength of -1 to override it. This has changed from PatternFL...

 JS   





Logo and homepage design updates

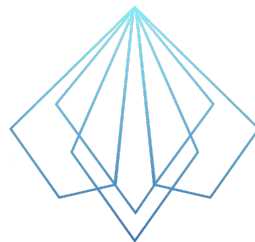


Why are we refreshing the PF logo?

PatternFly has been using the same logo since its creation in 2014.

Read an article [here](#) about the creation of the original logo.

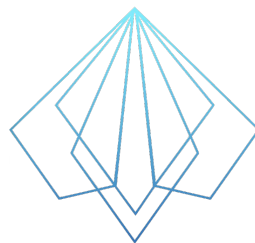
PatternFly has been using the same logo since its creation in 2014, back when patternfly.org was hosted on WordPress and the component library was built with Bootstrap. **Since 2014, PF has undergone some huge updates to become more scalable, modern, and accessible.** With the release of PF4 in 2019, and with the ongoing design vision work, our PF design team has been looking for ways to keep PatternFly's design language modern, approachable, ahead of the curve. It's only natural that our (quickly growing) brand also reflects PF's evolving style.



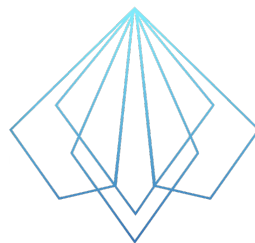
Why are we refreshing the PF logo?

Painpoints of current logo

- The level of detail and thin lines in our current logo doesn't display well at small sizes
- It doesn't match well with the updated Red Hat brand
- More complicated logos are falling behind current design trends, which tend to favor a more simplistic/minimal approach
- The current wordmark in our logo is using Overpass
- The gradient in the logo doesn't match our current blue color palette



Why are we refreshing the PF logo?



Benefits of updating our new logo

- **Fresh, modern look**
Modernize our brand, keep up to date with design trends
- **Reflect who we are**
Align with the updated PF look and feel
- **Better usability and scalability**
allow for better use at smaller scales (favicon, social media icons) and easier printing (tshirts, printed merch)

Logo iterations

	 	<p>PatternFly and Red Hat Brand both use sentence case for typography. We could align here to make a nod to the Red Hat wordmark.</p>
	 	<p>I think this design similar to one that Michael had designed in the past</p>
	 	<p>Would probably want an option with a single fill color (currently need 2 to distinguish shapes) maybe add border between shapes?</p>
	 PATTERNFLY	

 PatternFly	 PatternFly
 PatternFly	 PatternFly
 PatternFly	 PatternFly
 	 PatternFly

Logo iterations



Flying into the future



It's all just circles and squares when you think about it, man



Secondary line example



Logo iterations



Flying into the future



It's all just circles and squares when you think about it, man



Secondary line example



Logo iterations



Flying into the future



It's all just circles and squares when you think about it, man



Final Logo Options - Option A

Flying into the future

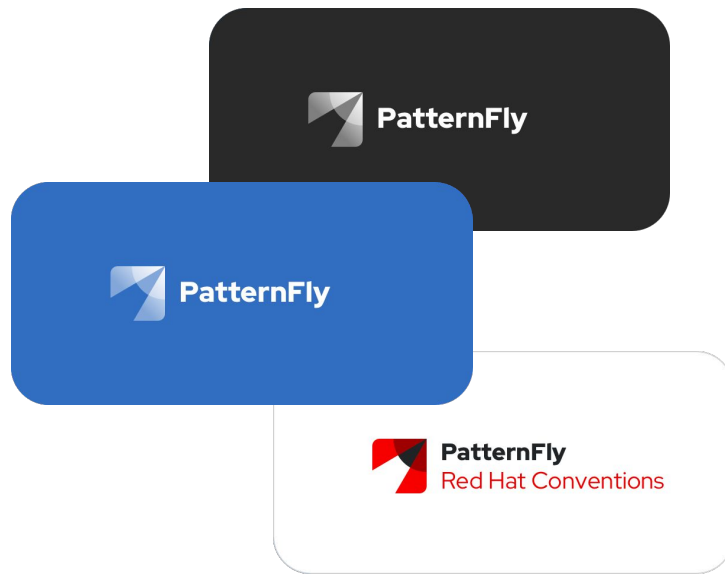
Transparency variant



Single color/outline variant



Gradient variant



Final Logo Options - Option B

It's all just circles and squares when you think about it, man

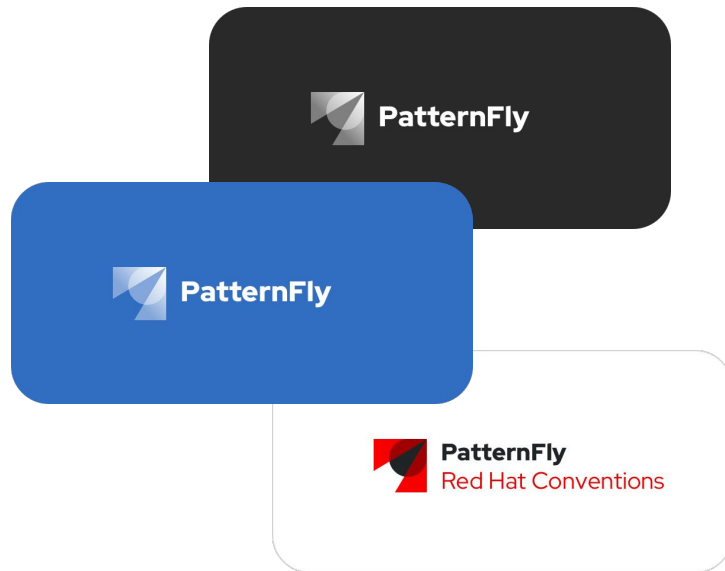
Transparency variant



Single color/
outline variant



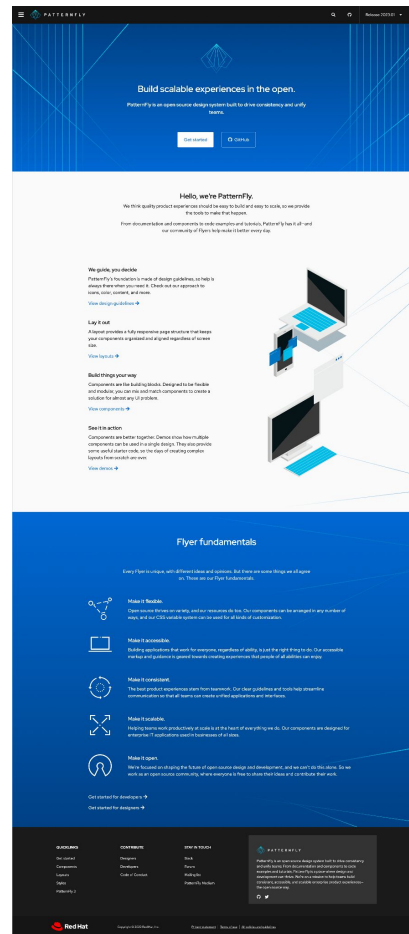
Gradient
variant



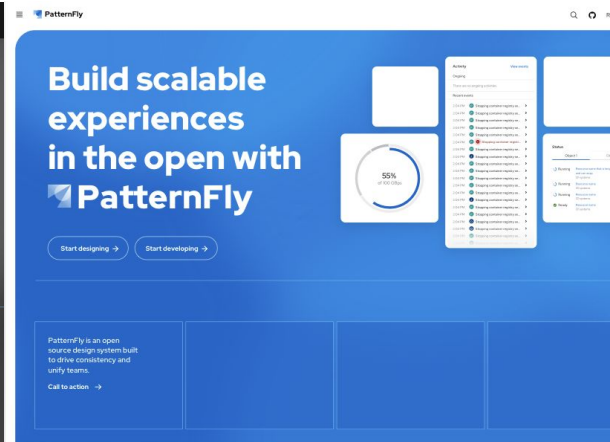
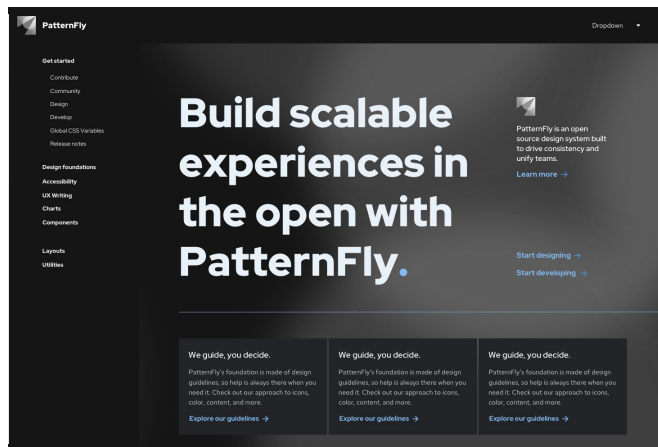
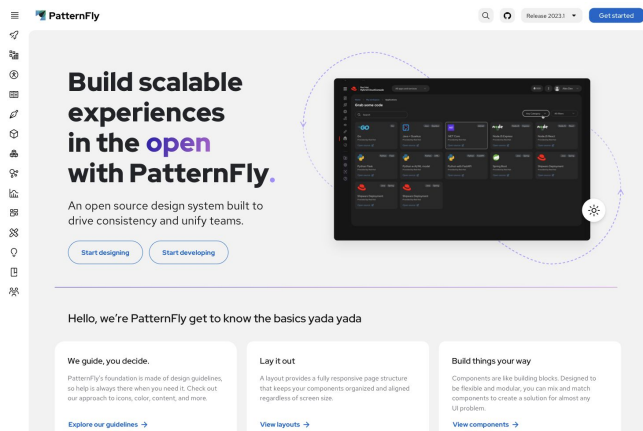
Now to refresh the pf.org homepage ✨

Goals for the new homepage


- Add in more useful content in order to increase engagement with returning users
- Update homepage visuals to reflect new PatternFly Penta theme
- Audit existing content, simplify, and identify content gaps
Shout out to Erin, who has been our content extraordinaire for this effort!



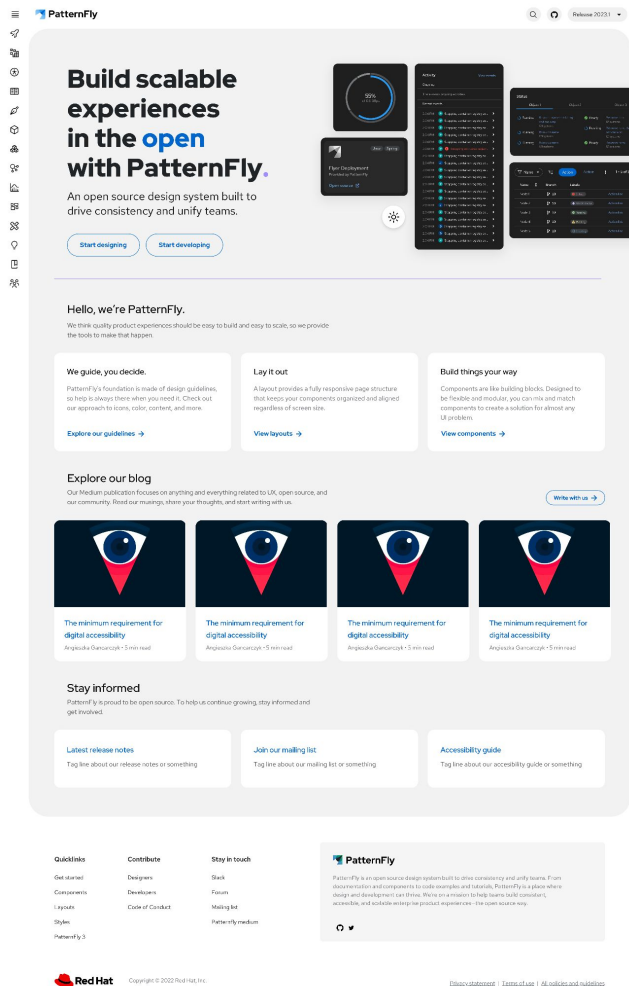
Homepage explorations



Homepage - updates


 Copy not final

- Updated styles to PatternFly Penta theme
- Updated logo
- Updated tagline and body copy
- Replace “get started” CTA with separate “Start designing” and “Start developing” actions
- Display a component showcase in the header, with ability to toggle between themes
- New “Explore our Blog” section
- New “Stay informed” section
- Proposed move of “flyer fundamentals” to a community page on website
- Proposed new landing pages for design guidelines and layouts



Homepage - Final look/feel

🚧 Copy not final

🔍 🔄 Release 2023.1 ▾

Build scalable experiences in the open with PatternFly.

An open source design system built to drive consistency and unify teams.

[Start designing](#) [Start developing](#)

Flyer Deployment
Provided by PatternFly
[Open source](#)

Activity

View events

Ongoing

There are no ongoing activities.

Recent events

- 2:04 PM Stopping container registry se... >
- 2:04 PM Stopping container registry se... >
- 2:04 PM Stopping container registry se... >
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- 2:04 PM Stopping container registry se... >

Status

Object 1	Object 2	Object 3
Running Resource name that is long and can wrap 12 systems	Ready Resource name that is long and can wrap 12 systems	Running Resource name that is long and can wrap 12 systems
Running Resource name 12 systems	Running Resource name 12 systems	Ready Resource name 12 systems


Table


Name Action 1 - 5 of 37

Name	Branch	Labels	Action link
Node 1	10	Critical	Action link
Node 2	10	Needs review	Action link
Node 3	10	Running	Action link
Node 4	10	Warning	Action link
Node 5	10	Creating	Action link

Homepage - Final look/feel

🚧 Copy not final

🔍 🔄 Release 2023.1 ▼

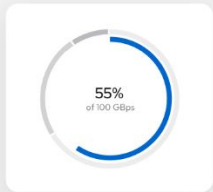



Build scalable experiences in the open with PatternFly.


An open source design system built to drive consistency and unify teams.

Start designing

Start developing



 Java Spring
Flyer Deployment
Provided by PatternFly
[Open source](#)






















Activity [View events](#)






Ongoing

There are no ongoing activities.






Recent events

- 2:04 PM  Stopping container registry se...
- 2:04 PM  Stopping container registry se...
- 2:04 PM  Stopping container registry se...
- 2:04 PM  Stopping container registry se...
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- 2:04 PM  Stopping container registry se...
- 2:04 PM  Stopping container registry se...

Status

Object 1	Object 2	Object 3
 Running Resource name that is long and can wrap 121 systems	 Ready Resource name 121 systems	 Running Resource name that is long and can wrap 121 systems
 Running Resource name 121 systems	 Ready Resource name 121 systems	

[Name](#) [Action](#) [Action](#) 1 - 5 of 37

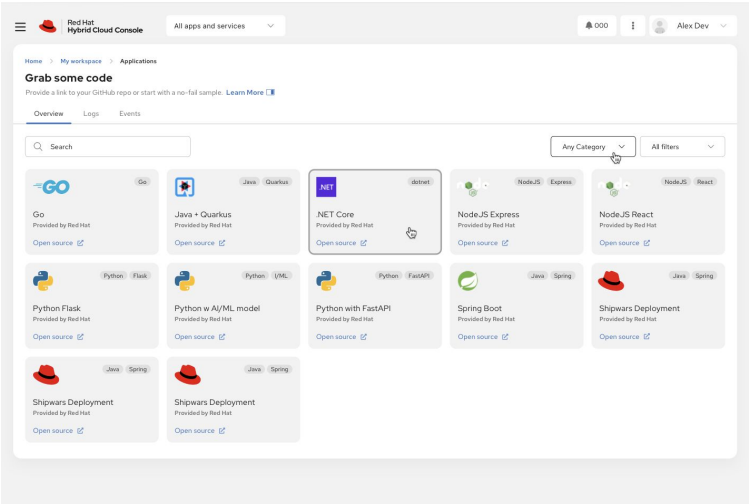
Name	Branch	Labels	Action link
Node 1	10	 Critical	Action link
Node 2	10	 Needs review	Action link
Node 3	10	 Running	Action link
Node 4	10	 Warning	Action link
Node 5	10	 Creating	Action link

PatternFly's updated visual identity

Functional artifacts



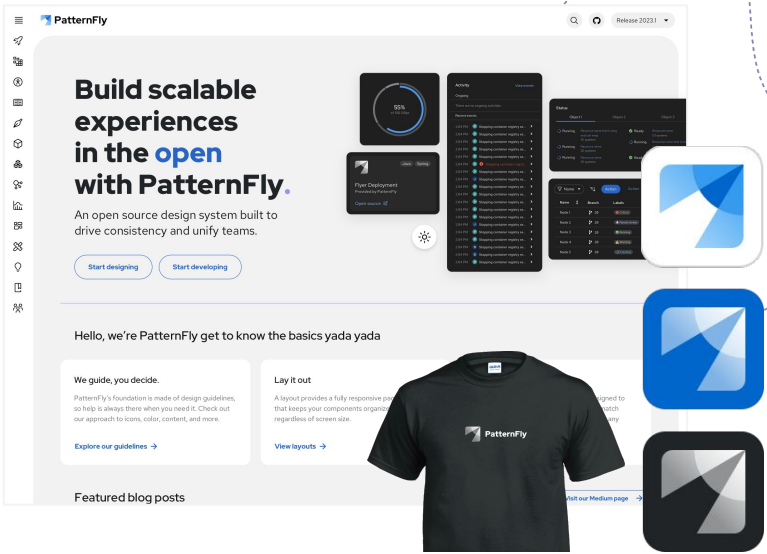
Work in Progress



Marketing artifacts



Work in Progress





v4/v5 Style collision solution



v4/v5 Style Collisions

Objective

Why do we need a solution for this?

- Allow consumers to use multiple versions of PatternFly in a single app
- Avoid default styling collisions from one version to another
- Add customizability with this solution

v4/v5 Style Collisions - Solution

Version prefixing

Solution: Set default variables for namespace and version

```
$pf-v5-global--namespace: 'pf-' !default;
```

```
$pf-v5-global--version: 'v5-' !default;
```



```
#{ $pf-prefix } : pf-v5-
```



v4/v5 Style Collisions - Configuration

```
$card:
```

```
#{ $pf-prefix }c-card;
```

```
Selector: #{$card}
```

```
Variable: --#{$card}--Color
```

Selector

```
.pf-v5-c-card
```

Variable

```
--pf-v5-c-card--Color
```



v4/v5 Style Collisions - Benefits

Benefits of namespacing selectors and variables

- Style inheritance is no longer an issue
- Avoid custom styling collisions from one version to another
- The prefix is customizable by the consumer

v4/v5 Style Collisions - Benefits

```
$pf-global: #{$pf-prefix} + '-global';  
  
-#{ $card--Color}: var(--#{ $pf-global }--Color-100);
```

Global variable

```
-pf-v5-global-Color-100 / #{$pf-v5-global-Color-100};
```

Card variable

```
-pf-v5-c-card-Color: var(-pf-v5-global-Color-100)
```





Q & A



Links

To join the PatternFly mailing list: <https://listman.redhat.com/mailman/listinfo/patternfly>

Import the PatternFly Community calendar: [calendar](#)

Community meeting coordinator contact: Nicole Thoen - nthoen@redhat.com

Next office hours: April 5th



Thank you!