



# PatternFly Community Meeting

August 1st, 2023

## 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.

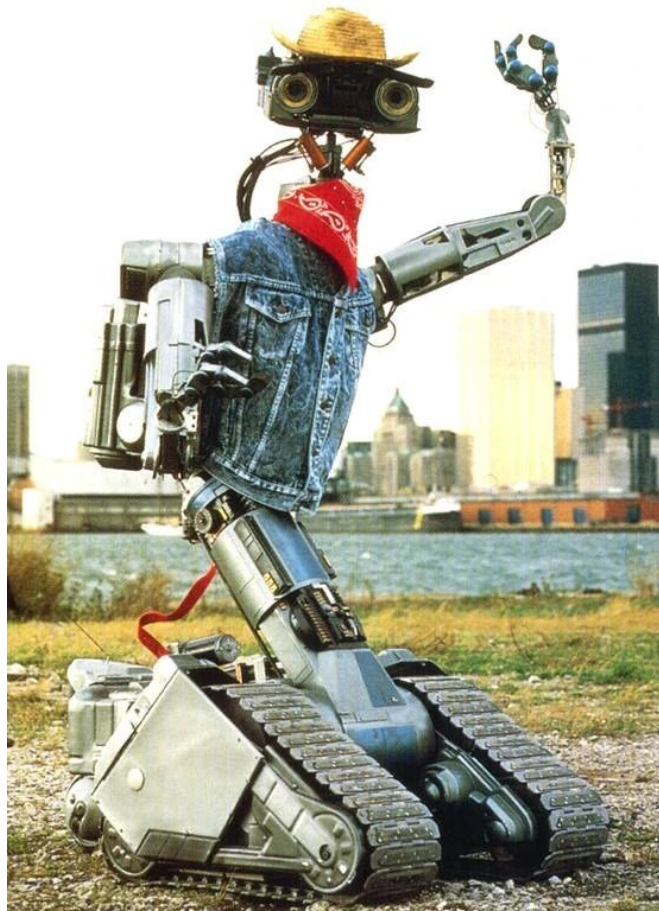


# Agenda

## Topics

- PatternFly 5 is live!
  - Why migrate?
  - How to migrate?
  - New website design!
- Core team updates
- React team updates
- Looking ahead

## Q&A





## Why migrate to PatternFly 5?



## Why migrate to PatternFly 5?



- **Supports React 18**
- **Introduces federated modules to enable smaller bundle sizes**
- **Updated, more flexible, lightweight implementations of popular components**
  - Wizard
  - Select
  - Dropdown
  - Table
- **Accessibility improvements**
- **More consistent API, especially for form elements**
- **Extensions in development will only be PatternFly 5 compatible (react-component-groups)**
- **Lays the groundwork for streamlined adoption of PatternFly's future new 'look & feel'**



## Staying up to date with PatternFly releases

- **PatternFly is adopting an annual major release cadence**
  - Allow PatternFly to stay agile and adapt to new consumer needs more quickly
  - Reduce the size and effort of future releases by avoiding a large backlog of breaking issues built up over several years
  - Create clarity around timelines and help to manage priorities and expectations between PatternFly consumers, contributors and maintainers
- **\*\* PatternFly will maintain the latest two major versions of PatternFly**
  - PatternFly 4 will maintain a process for addressing high priority issues as requested by products until PatternFly 6 is available in 2024

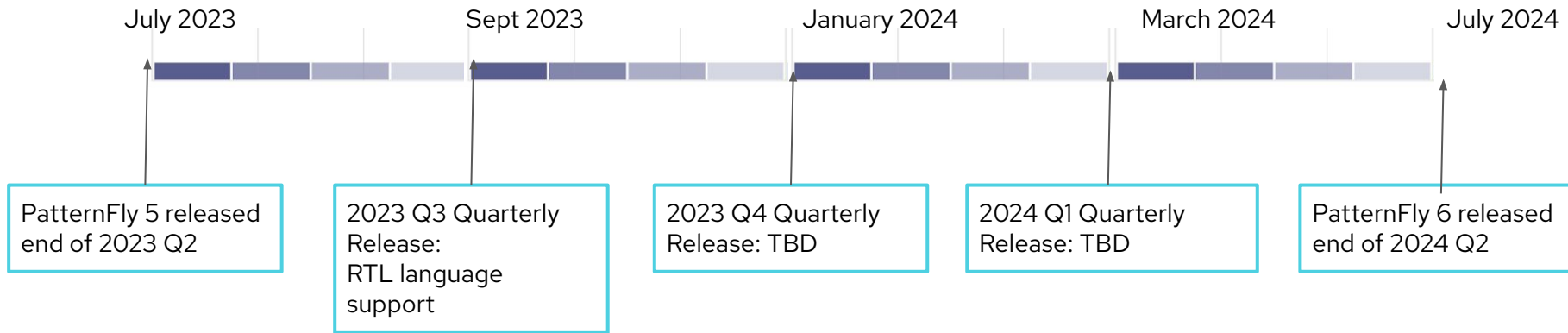


## Staying up to date with PatternFly releases

- **Rather than releasing at the end of each sprint, PatternFly is planning regular quarterly minor releases.**
  - Each quarterly release heralds a significant enhancement of value to products
  - Our first post PatternFly 5 quarterly release is planned to enable right to left language support
    - Inspired by requests from and contributions by Cockpit
  - We test each non-breaking change release in a myriad of products to avoid introducing any breaking changes.
    - If you are an early adopter/staying up to date with releases, it is much easier for the PatternFly team to ensure we are not introducing breaking changes to your product.



## PatternFly quarterly release schedule



- Each quarter includes at least 4 sprints. Bug fix releases can be cut at the end of any sprint.
- Each quarterly release is a minor version bump - not a breaking-change release
- Extensions are enabled to promote at the end of any sprint as needed
- Each release includes testing release candidates in multiple products





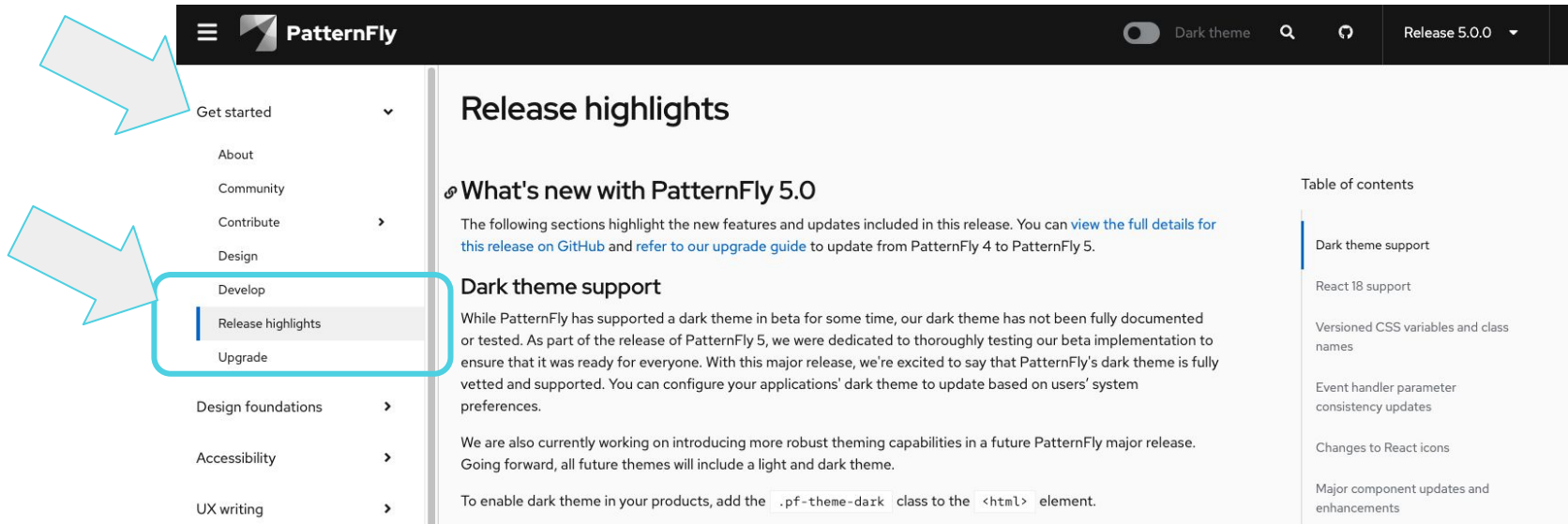


## How to migrate to PatternFly 5



## How we support migration

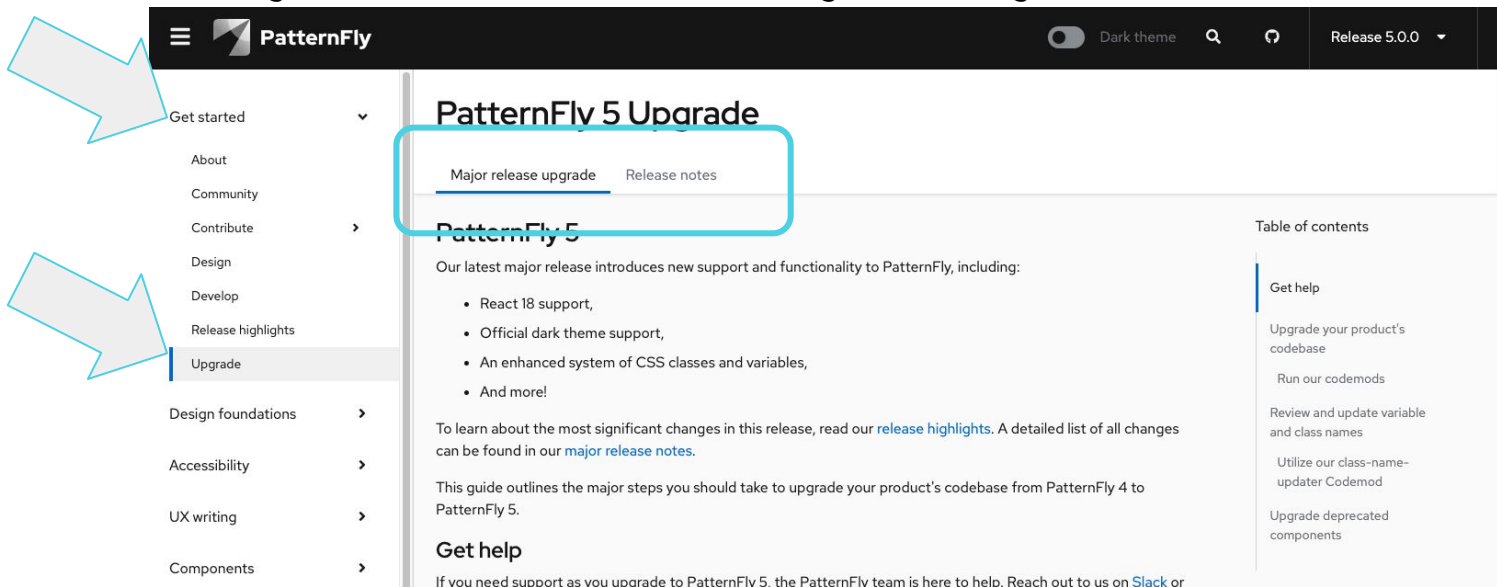
- **PatternFly team available for migration support**
  - [#list-patternfly](#) on Red Hat Internal Slack
  - PatternFly developers available to lean in during product migrations
- **Release highlights ([link](#))**
  - Overview of the most impactful or important features included in PatternFly 5



The screenshot shows the PatternFly website interface. The top navigation bar includes the PatternFly logo, a 'Dark theme' toggle, a search icon, a refresh icon, and a dropdown menu for 'Release 5.0.0'. The main content area is titled 'Release highlights' and features a section for 'What's new with PatternFly 5.0'. Below this, there is a section for 'Dark theme support' which explains that the dark theme is now fully documented and supported. A 'Table of contents' on the right lists various updates such as 'Dark theme support', 'React 18 support', and 'Versioned CSS variables and class names'. The left sidebar contains navigation links, with 'Release highlights' highlighted. Two large arrows point to the 'Release highlights' link in the sidebar and the 'Dark theme support' section in the main content area.

## How we support migration

- **Upgrade Guide**
  - Instruction on how to run our codemods, how to update CSS selectors, and more!
- **PatternFly 5 release notes**
  - A searchable, filterable view of all breaking changes included in PatternFly 5. As a product migrates, this table will aid in understanding error messages.



The screenshot shows the PatternFly website's navigation and content for the 5.0.0 release. The left sidebar contains a menu with 'Upgrade' highlighted. The main content area is titled 'PatternFly 5 Upgrade' and includes a 'Major release upgrade' tab. The page content lists new features like React 18 support and dark theme support, and provides links to release highlights and release notes. A 'Table of contents' on the right lists topics such as 'Get help', 'Upgrade your product's codebase', and 'Run our codemods'.

## How we support migration

- **Code mods** [[source code](#)]
  - Quickly identify and fix major issues.
  - Some changes will still require manual intervention, but our codemods can automatically fix a large amount of issues and flag any issues that do require manual work.

```
100:7 error   helperText prop for FormGroup has been removed. Use FormHelperText
codemods/formgroup-remove-helperTextProps
100:7 error   helperTextInvalid prop for FormGroup has been removed. Use FormHelperText
codemods/formgroup-remove-helperTextProps
100:7 error   validated prop for FormGroup has been removed. Use FormHelperText
codemods/formgroup-remove-helperTextProps

* 594 problems (128 errors, 466 warnings)
  117 errors and 3 warnings potentially fixable with the `--fix` option.
```



## Note on deprecated components

- **PatternFly 5 deprecates old implementations of some components in favor of new implementations**
  - Select
  - Dropdown
  - Table
  - Wizard
  - Context selector
  - Application launcher
  - Options menu
  - Page header
- **In each case, there is a new recommended solution made in the docs**
- **When running codemods, any instances of the deprecated components will automatically update the imports to pull from `@patternfly/react-core/deprecated` and the deprecated components will work as before.**
- **Recommendation:** Complete the full migration to PatternFly 5 before moving to the newly recommended solutions for deprecated components. These deprecated components will remain in the code base until at least the next major release (PatternFly 6).

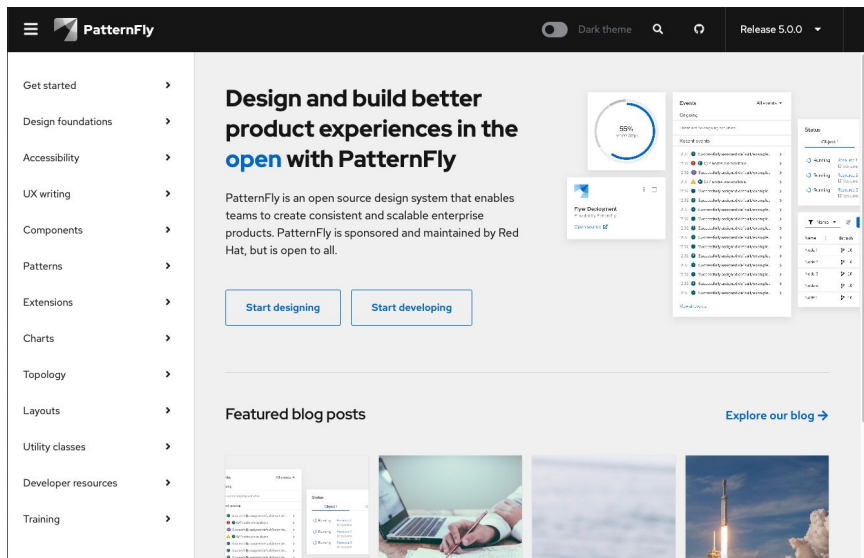




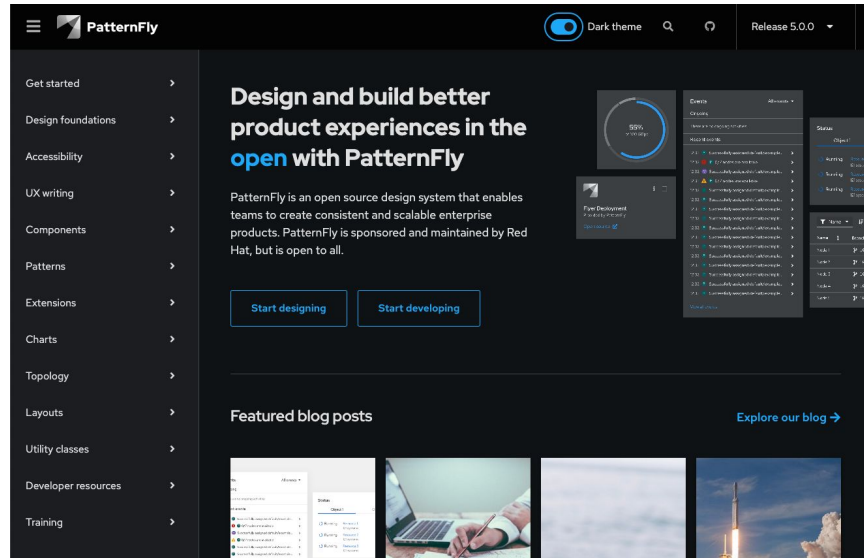
## Website redesign



## New home page!

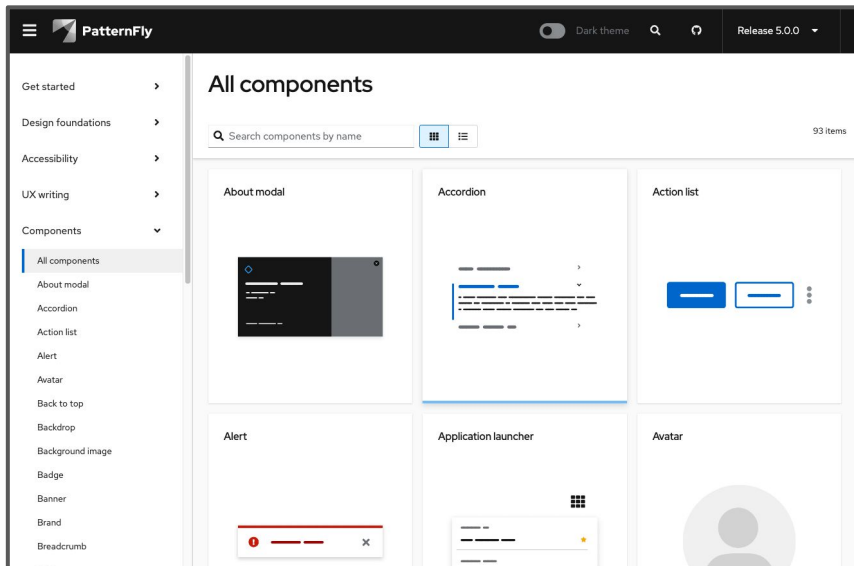


The screenshot shows the new PatternFly home page in light theme. The top navigation bar includes the PatternFly logo, a dark theme toggle, a search icon, a refresh icon, and the text "Release 5.0.0". The left sidebar contains a list of navigation items: Get started, Design foundations, Accessibility, UX writing, Components, Patterns, Extensions, Charts, Topology, Layouts, Utility classes, Developer resources, and Training. The main content area features a large heading: "Design and build better product experiences in the open with PatternFly". Below the heading is a paragraph: "PatternFly is an open source design system that enables teams to create consistent and scalable enterprise products. PatternFly is sponsored and maintained by Red Hat, but is open to all." There are two buttons: "Start designing" and "Start developing". To the right of the text is a circular progress indicator showing "50% of way" and a "File Deployment" button. Below the main content is a "Featured blog posts" section with the text "Explore our blog" and a link icon. The bottom of the page shows three image thumbnails: a person writing on a laptop, a cloudy sky, and a rocket launch.

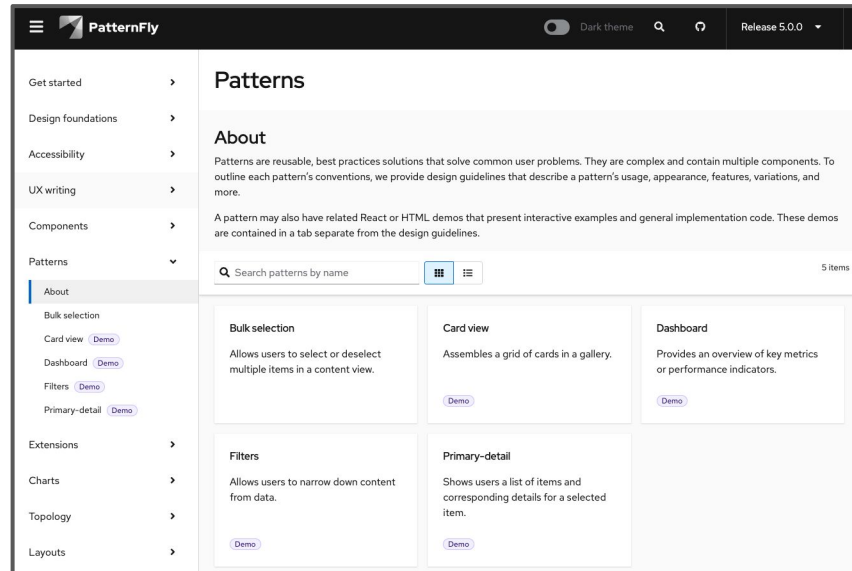


The screenshot shows the new PatternFly home page in dark theme. The top navigation bar includes the PatternFly logo, a dark theme toggle (which is active), a search icon, a refresh icon, and the text "Release 5.0.0". The left sidebar contains a list of navigation items: Get started, Design foundations, Accessibility, UX writing, Components, Patterns, Extensions, Charts, Topology, Layouts, Utility classes, Developer resources, and Training. The main content area features a large heading: "Design and build better product experiences in the open with PatternFly". Below the heading is a paragraph: "PatternFly is an open source design system that enables teams to create consistent and scalable enterprise products. PatternFly is sponsored and maintained by Red Hat, but is open to all." There are two buttons: "Start designing" and "Start developing". To the right of the text is a circular progress indicator showing "50% of way" and a "File Deployment" button. Below the main content is a "Featured blog posts" section with the text "Explore our blog" and a link icon. The bottom of the page shows three image thumbnails: a person writing on a laptop, a cloudy sky, and a rocket launch.

# New landing pages



The screenshot shows the 'All components' landing page. The header includes the PatternFly logo, a dark theme toggle, search, refresh, and release version (5.0.0) dropdown. The left sidebar lists navigation categories: Get started, Design foundations, Accessibility, UX writing, and Components. The main content area is titled 'All components' and features a search bar with '93 items' indicated. Below the search bar, a grid of component cards is displayed, including 'About modal', 'Accordion', 'Action list', 'Alert', 'Application launcher', and 'Avatar'. Each card contains a small visual representation of the component.

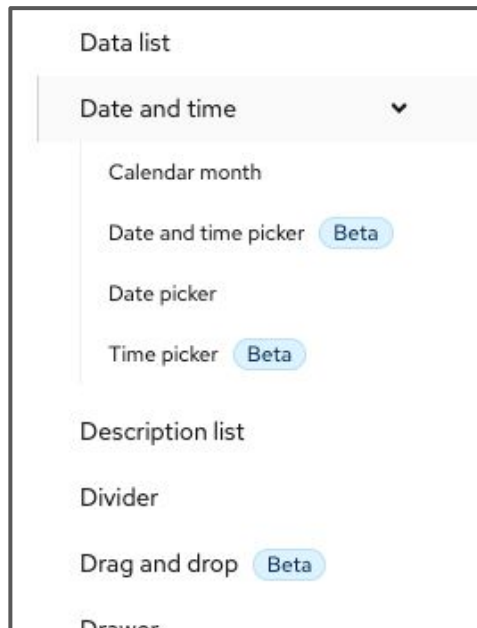
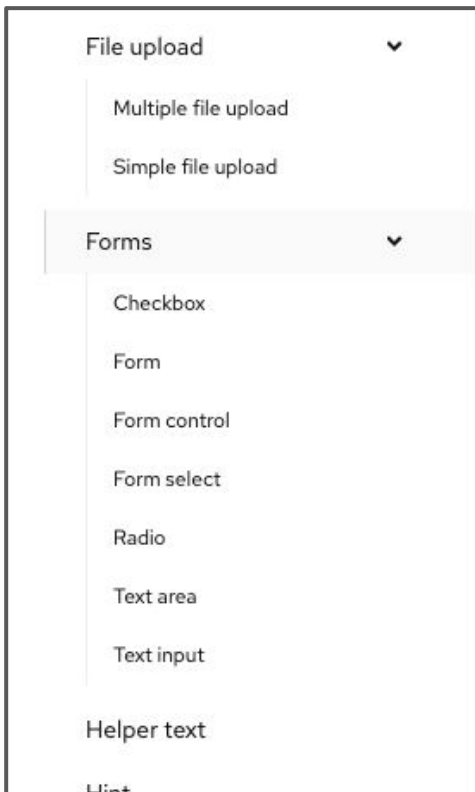
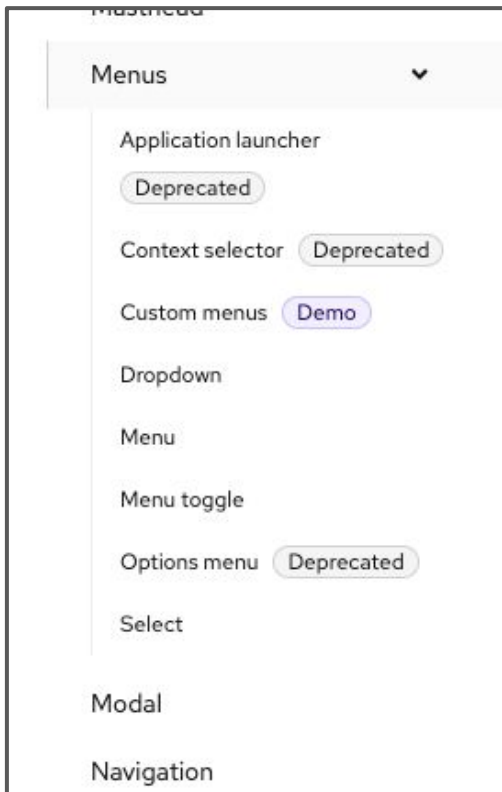


The screenshot shows the 'Patterns' landing page. The header is identical to the 'All components' page. The left sidebar lists navigation categories: Get started, Design foundations, Accessibility, UX writing, Components, and Patterns. The main content area is titled 'Patterns' and features an 'About' section with a paragraph explaining that patterns are reusable solutions for common user problems. Below the 'About' section, there is a search bar with '5 items' indicated. A grid of pattern cards is displayed, including 'Bulk selection', 'Card view', 'Dashboard', 'Filters', and 'Primary-detail'. Each card includes a title, a brief description, and a 'Demo' button.



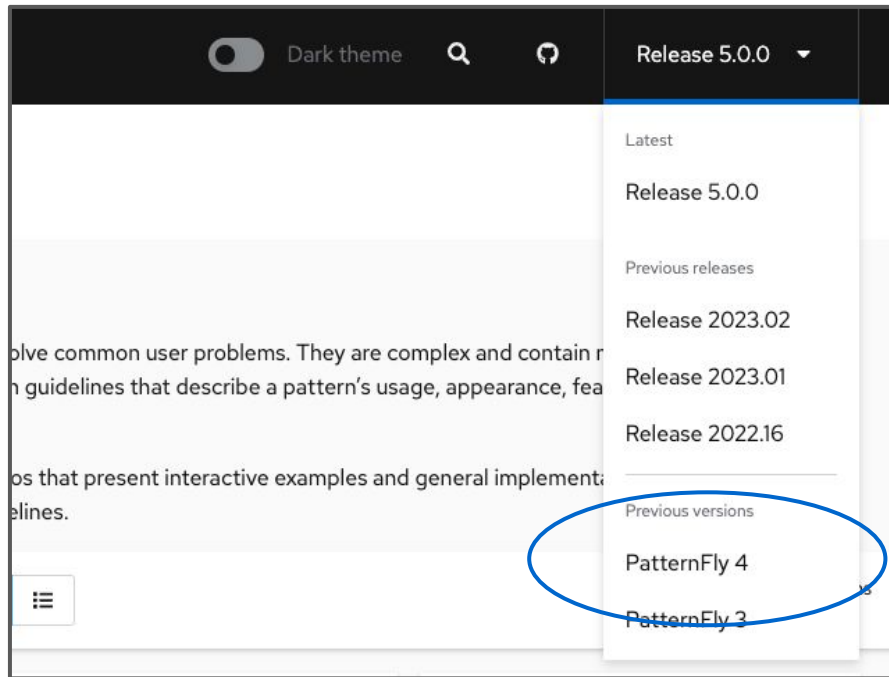


## New grouped nav items



## Updated URLs

- References to '/v4' in our URLs have been removed on patternfly.org
- The [archived PatternFly 4 site](#) can be accessed via the version switcher at the top of patternfly.org





## Core team update on PatternFly 5



## Notable PF Core changes

- [CSS class/variable version prefixing](#)
  - Classes are now `.pf-v5-[...]` and CSS variables are `--pf-v5-[...]` (excludes `.pf-m-`)
- [Updated layouts to use gap for gutters](#) (level, split, stack)
- [Flex layout now supports gap spacing](#)
- [Updated page component height to be based off of vh](#)
  - No longer a need for "height: 100%" on all ancestors of page component
- [Reduced specificity of global reset/normalize styles by wrapping in :where\(\)](#)
- [Standalone checkbox/radio variant is now used instead of regular inputs](#)
- [Form control now uses regular icons instead of background images for status icons](#)
  - Gets around security issues with embedded data URI images
- About modal box and background image no longer ship with default background-images
  - This resolves issues folks were having with our image paths when using ParcelJS
- [Helper text component is now used in components that had their own helper text](#)
- The following components have a more flexible, improved HTML structure
  - [Input group](#), [card header](#), [popover](#), [empty state](#)
- [Selectable/clickable card updates](#)





## React team update on PatternFly 5



## Notable PF React changes

- **React 18 support**
- **Consistent callback API's for better integration with 3rd party libraries**
- **Deprecated the following components and promoted new recommended solutions**
  - Wizard
  - Select
  - Dropdown
  - Table (Legacy)
  - Page header
- **Removed deprecated props**
- **Some prop names have been updated for consistency**
- **Component updates**
  - Card - Refactored header [API](#) changes and new approach for [selectable cards](#)
  - [About Modal - now uses the Modal component](#)
  - [Empty state - Refactored API](#)



## Notable PF React changes

- **Component updates continued...**
  - [Form group](#) - Removed several props in favour of passing the Helper text component directly to the form group
  - Input group - Added the `InputGroupItem` component, which must wrap all non `InputGroupText` children passed to an `InputGroup`
  - Label - Removed the `isTruncated` prop since that is now default behavior
  - [Menu](#) - Added support for tooltips to MenuItem
  - [Overflow Menu](#) - Updated to use the new Dropdown
  - [Removed the `removeFindDOMNode` property as it is now the default behavior.](#)
  - [Page](#) - `PageSidebar` API has been refactored. The `nav` property has been renamed to `children`. Any content passed to the property should be wrapped in `PageSidebarBody`.
  - [Spinner](#) - removed `isSVG` prop, Spinners are now always `svg`
  - [Wizard](#) - Updated the order of the "next" and "back" buttons so that the "back" button is first
- Please see the [Release notes](#) for a comprehensive list of changes





**Looking ahead**





# Right to Left support



# A fresh coat of paint is coming

The team is hard at work at implementing theming in PatternFly, and plans to deliver theming alongside a new themed look and feel that we are calling Penta!

[First look at the hackathon demo](#) 🙄





Context selector ▾

[Section home](#) > [Section title](#) > [Section title](#) > [Section landing](#)

## Penta Hackathon Demo Page

A showcase of our new tokens being applied to create a new theme.

Dropdown menu ▾

Another one ▾

<input type="checkbox"/>	Repositories	Branches	Pull requests	Workspaces	
<input type="checkbox"/>	Node 1	🔗 10	↔ 25	📦 5	
<input checked="" type="checkbox"/>	Node 2	🔗 8	↔ 30	📦 2	2 days ago
<input type="checkbox"/>	Node 3	🔗 12	↔ 48	📦 13	30 days ago
<input type="checkbox"/>	Node 4	🔗 3	↔ 8	📦 20	8 days ago
<input type="checkbox"/>	Node 5	🔗 34	↔ 21	📦 26	2 days ago

### PatternFly Navigation Product Name

Cluster

Dashboard

Builds

Compute

Networking

Observe

Operators

Applications

Workloads

Settings

User Management

Administration

Import YAML

Help and Support



Dark theme



Context selector ▾

**PatternFly Navigation**  
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<input type="checkbox"/>	Node 1	10	25	5	
<input checked="" type="checkbox"/>	Node 2	8	30	2	
<input type="checkbox"/>	Node 3	12	48	13	30 days ago
<input type="checkbox"/>	Node 4	3	8	20	8 days ago
<input type="checkbox"/>	Node 5	34	21	26	2 days ago





Questions?

Reach out to Nicole Thoen

[nthoen@redhat.com](mailto:nthoen@redhat.com)