



Confluence Cloud Performance

Improvements, roadmap, and more

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Agenda

Measuring Performance

Understanding Cloud vs. Server

Our work so far

Future plans

Measuring performance is complicated

What to measure?

- Readable? Features? Browser idle?
 - Average? Median? Percentile?
-

What to compare?

- Which metrics are key?
 - Which competitors?
-

User experience?

Performance isn't just about numbers, it's about user experience

Can't do everything – Our choices (For now)

What to measure?

- Visible features interactive
 - P90 (90th percentile)
-

What to compare?

- View page vs. Confluence Server
 - First meaningful paint, time to interactive
-

User experience

Create performance related design guidelines
(e.g. smart defaults)

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Performance comparison

Performance comparison (mid 2020)

Confluence

Spaces

People

Questions

Calendars

Analytics

Create

Feedback

Search

Dennis Lu

Profile

Pages

Blog

Questions

Calendars

Analytics

SPACE SHORTCUTS

Here you can add shortcut links to the most important content for your team or project.
Configure sidebar.

PAGE TREE

EAC - Server BTF test page

EAC - Server BTF test page v2 with Mi

Pages / Dennis Lu's Home

Analytics

Edit

Saved for later

Watching

Share

EAC - Server BTF test page

Created by Dennis Lu, last modified 31 minutes ago


50R-638 - Backup restore process is documented and tested on a regular basis

DONE

50R-677 - Backup requirements as per service tier are met

RISK ACCEPTED

jkjklj



jkjklj

50R-638 - Backup restore process is documented and tested on a regular basis

DONE

numbers		HERE IS SOME TEXT WITH A MAX WIDTH TABLE
1	<div><div>Assembled Glorious Guide of Acronyms</div><div><div>Acronyms D-C</div><div>Acronyms D-G</div><div>Acronyms H-L</div></div></div>	

Confluence

Home

Recent

Spaces

People

Apps

Templates

Create

Dennis Lu

Overview

Blog

Questions

Analytics

Calendars

Space Settings

Bulk Archive

APPS

Gliffy Diagram

SPACE SHORTCUTS

Page Tree

Pages

Quick Search

Page Buttons

Analytics

Smartlinks

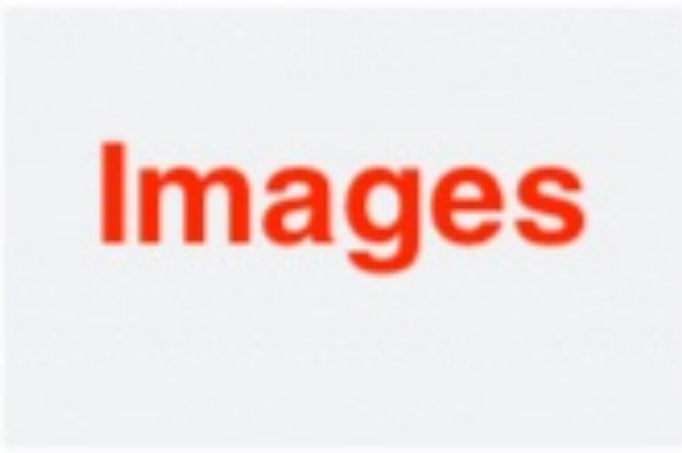
Comparison to Server Page

50R-638 - Getting issue details...

STATUS

<https://product-fabric.atlassian.net/browse/CCP-937?src=confmacro>

jkjklj



jkjklj

50R-638 - Getting issue details...

STATUS

SERVER

Server Rendered

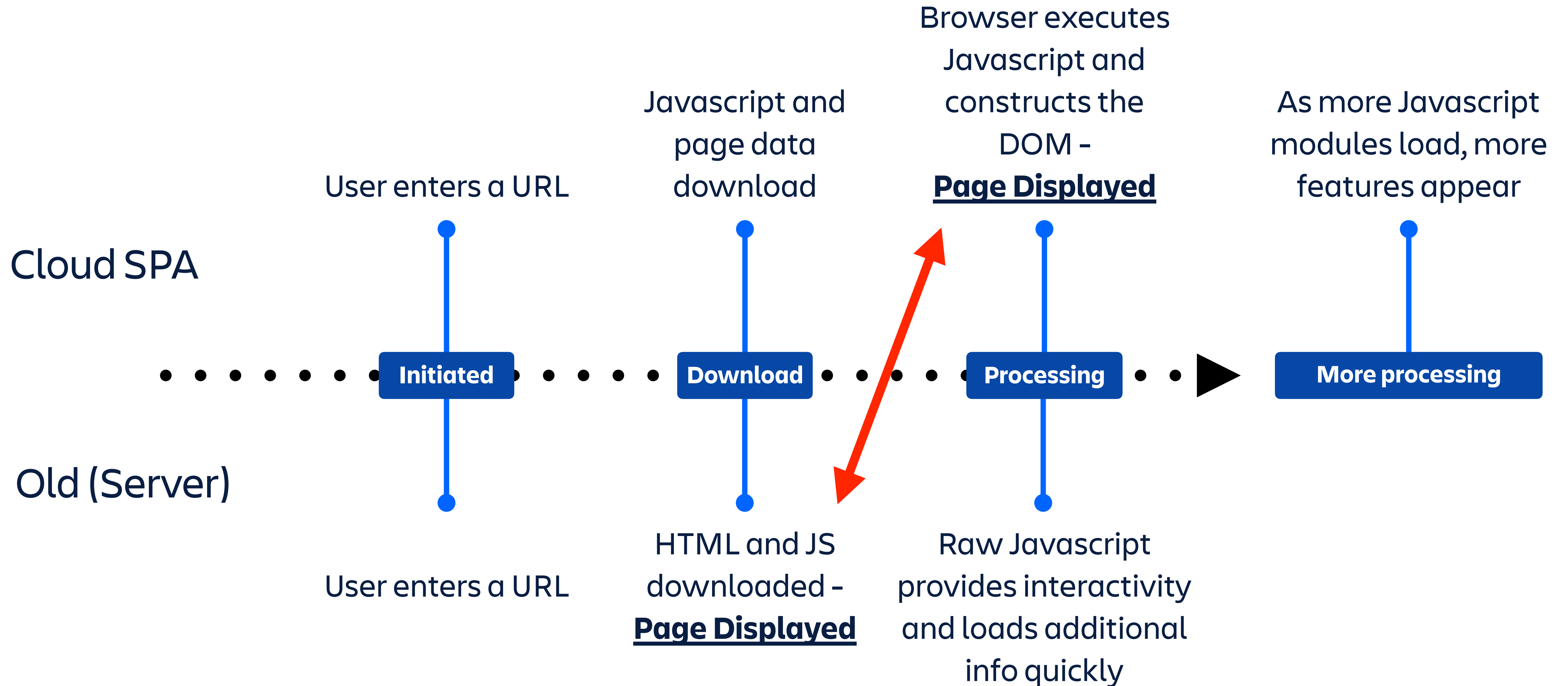
- **Java (JSP) + jQuery**
- **Initial loads are Faster**
- **No transitions, all initial loads**

CLOUD

Single Page Application

- **React**
- **Initial Loads Slower**
- **Transitions MUCH Faster**
- **Richer functionality**

What is a Single Page Application (SPA)?



Agenda

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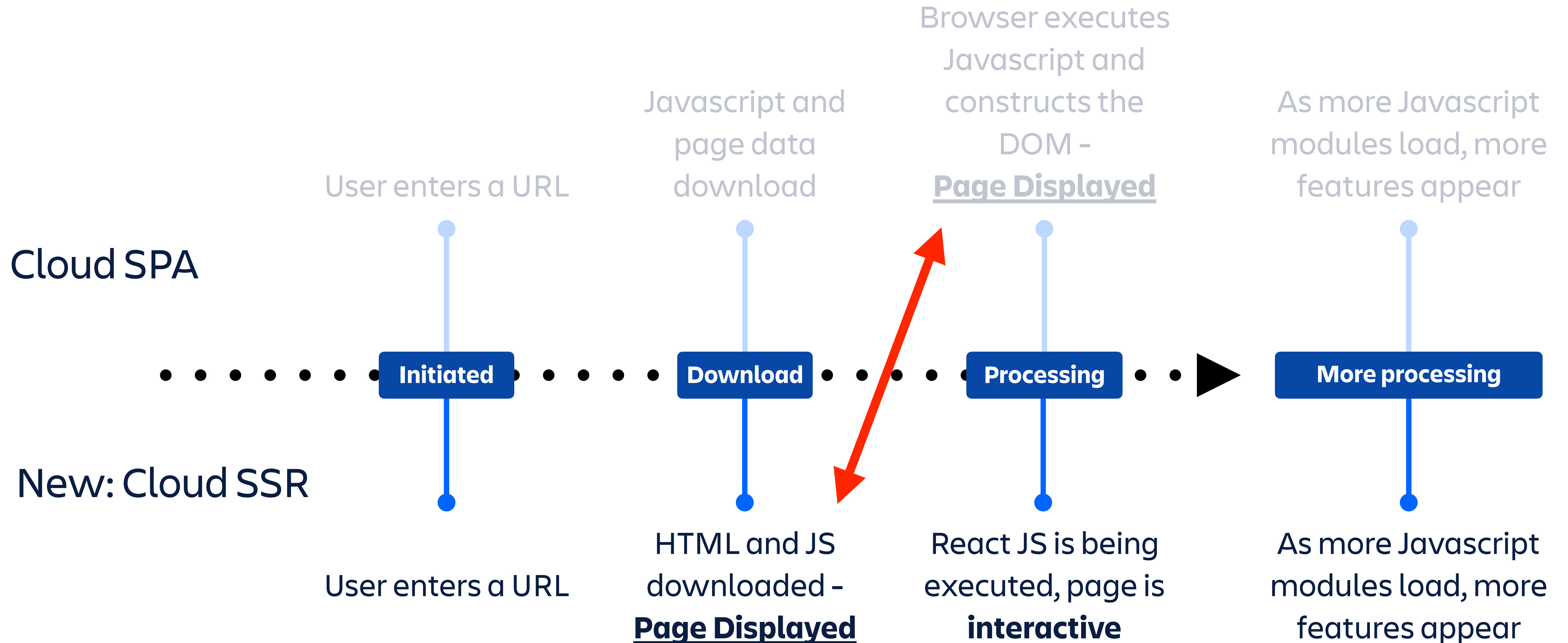
Our work so far

Future plans



Solution:
Bringing back
Server Side
Rendering
(intelligently)

What is a Single Page Application (SPA)?



Step 1: SSR - The content appears faster

SPA (Non Server Side Rendered)

Server Side Rendered

Step 2: What next?



Make FMP Faster



**Make FMP more
Inclusive**



**Speed up Features
Interactivity**

The big boards

Macro frequency

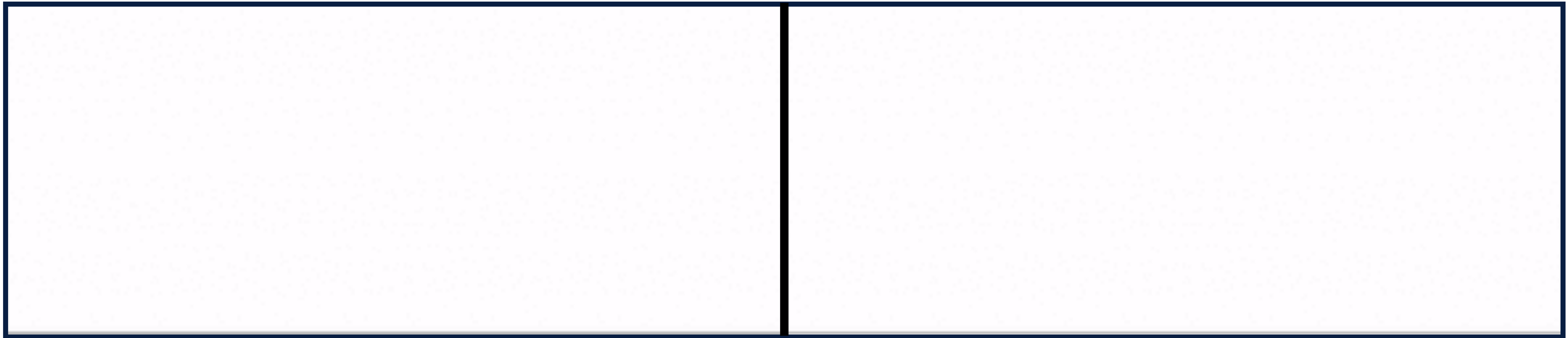
- Table of contents
- Profile
- Children
- Etc.

(Not: tables, expands)

Click frequency

- Edit
- Page comments
- Watch
- Page tree
- Quick search
- etc.

Step 2: A simple feature - edit button immediately



Before

After

Step 2: A macro - table of contents immediately



Before

After

Step 3: Better AND faster – Quick Search

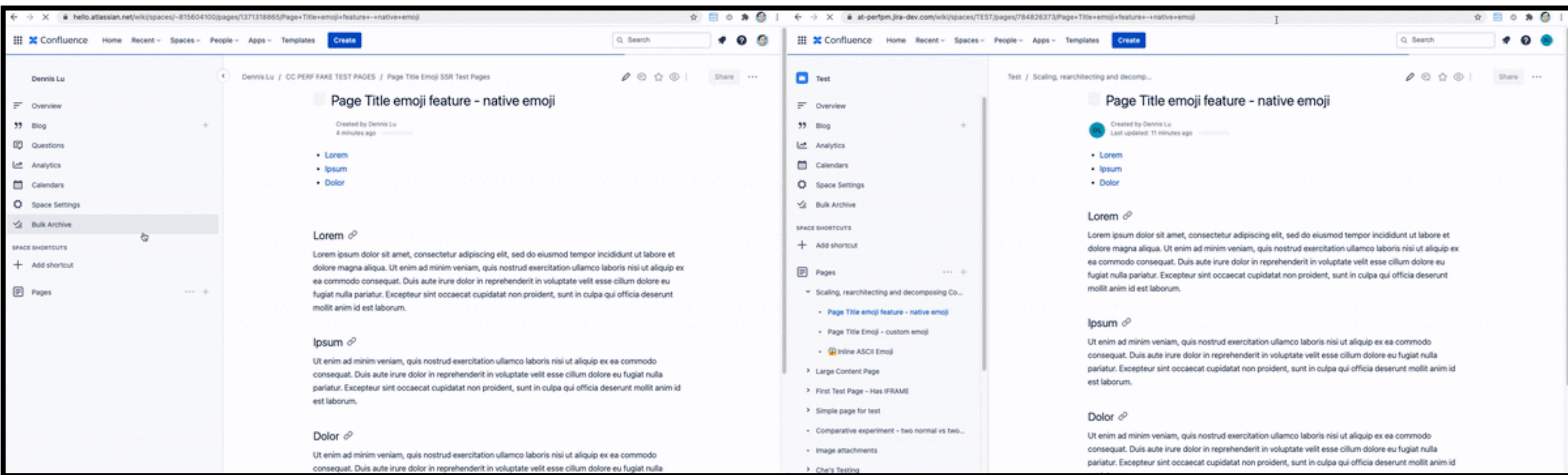
Before



After



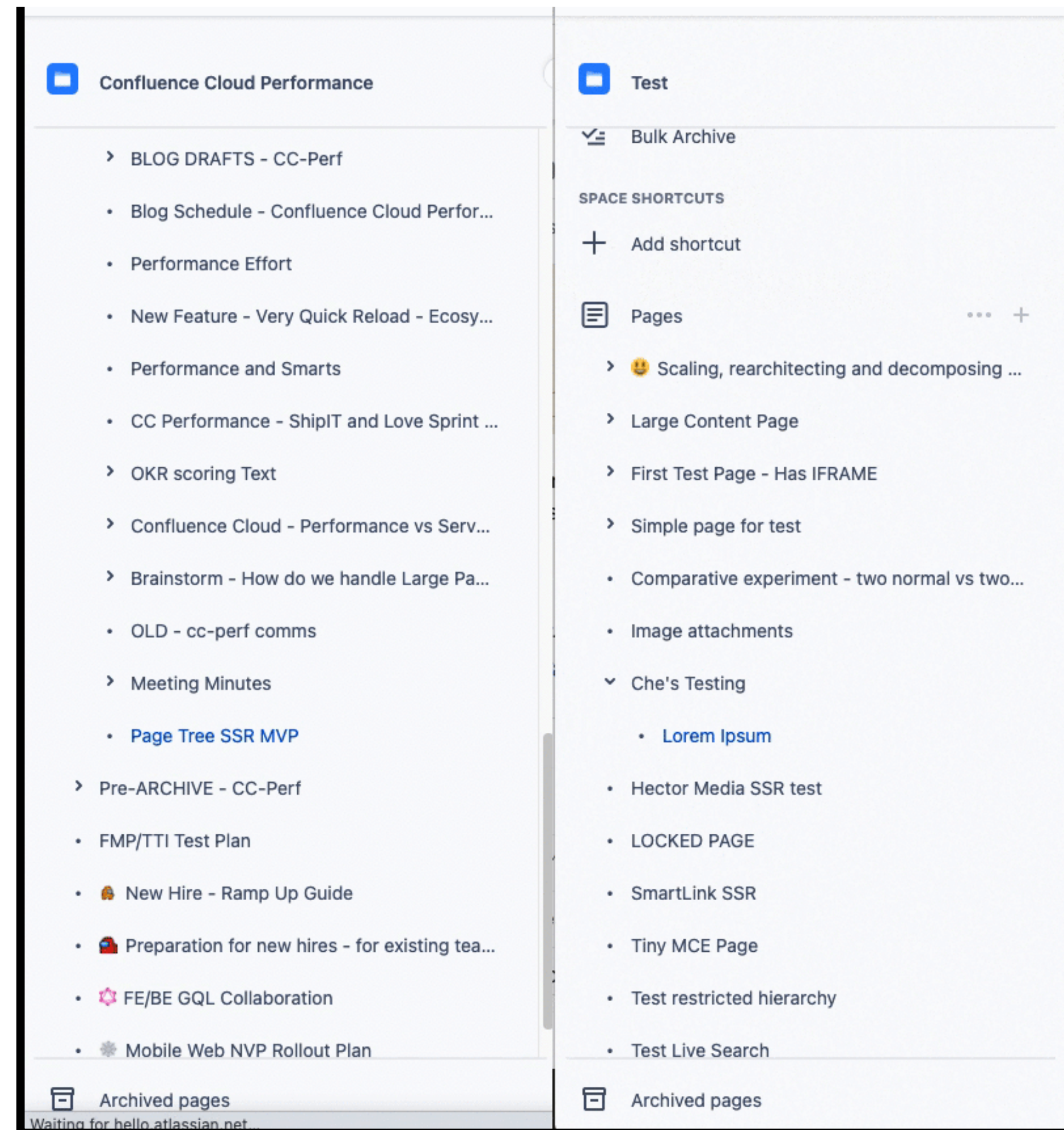
Step 3: Better AND faster - Page Tree



Before

After

Step 3: Better AND faster – Page Tree



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ATLASSIAN TRYING TO IMPROVE

- Confluence code size
- API call responsiveness
- 3rd Party Apps/Macro performance
- Avoiding degradations

OUTSIDE OF ATLASSIAN CONTROL

- Network, CPU, Memory
- Security software
- Page content sizes

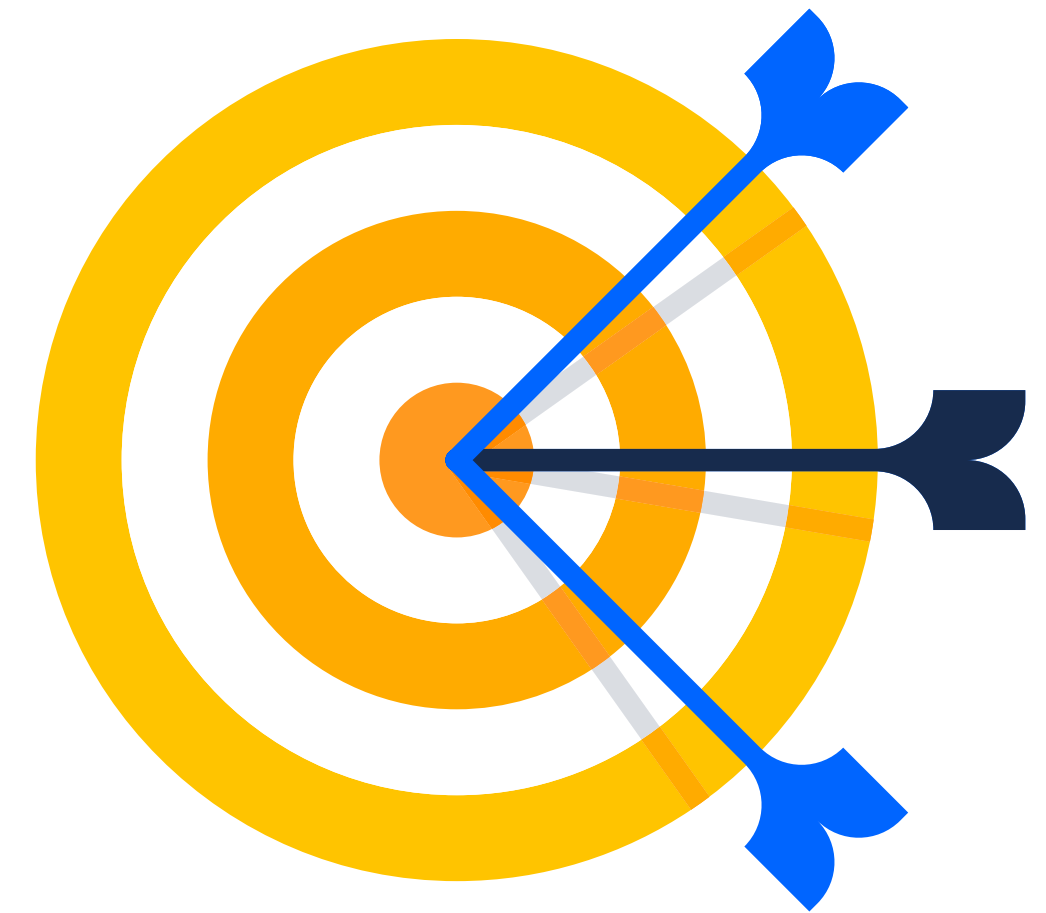
Things to tackle



Shrink code size



Tackle other key views



Targeting “corner”
cases



Thank you!