

Design Data

Complexity

07/21/2025

Pain Points

Maybe?

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Maybe?

- Everyone

Pain Points

Maybe?

- Everyone
 - Finding the right token - name/value/everything

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- Everyone
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- Spectrum Design

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- Everyone
 - Finding the right token - name/value/everything
- Spectrum Design
 - Spec files

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 - Authoring tokens

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- Implementation Engineers

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Pain Points


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 - Authoring tokens
- Implementation Engineers
 - Spec files
- Leadership

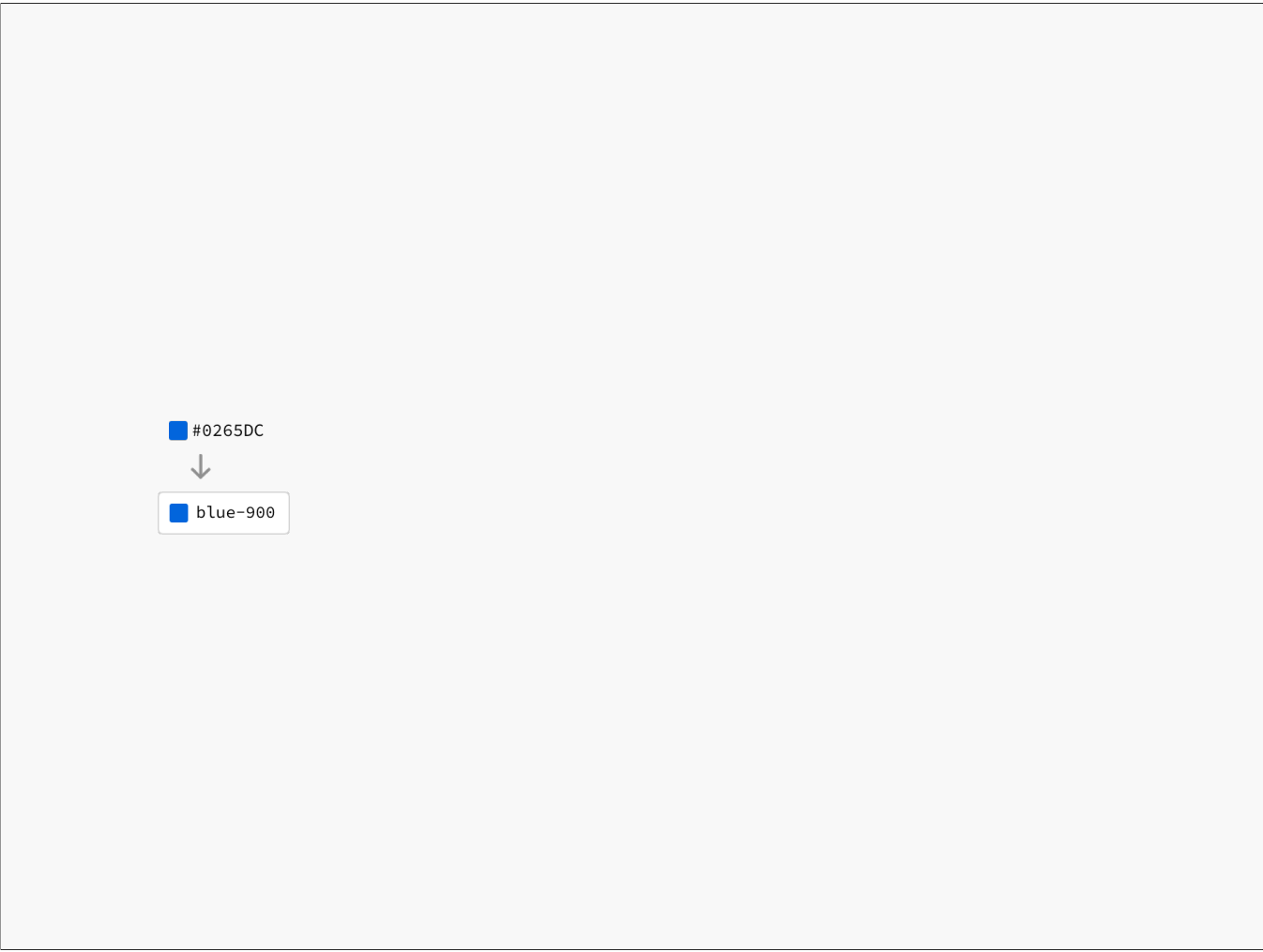
Pain Points

Maybe?

- Everyone
 - Finding the right token - name/value/everything
- Spectrum Design
 - Spec files
 - Authoring tokens
- Implementation Engineers
 - Spec files
- Leadership
 - Reduce complexity

 #0265DC

■ #0265DC value



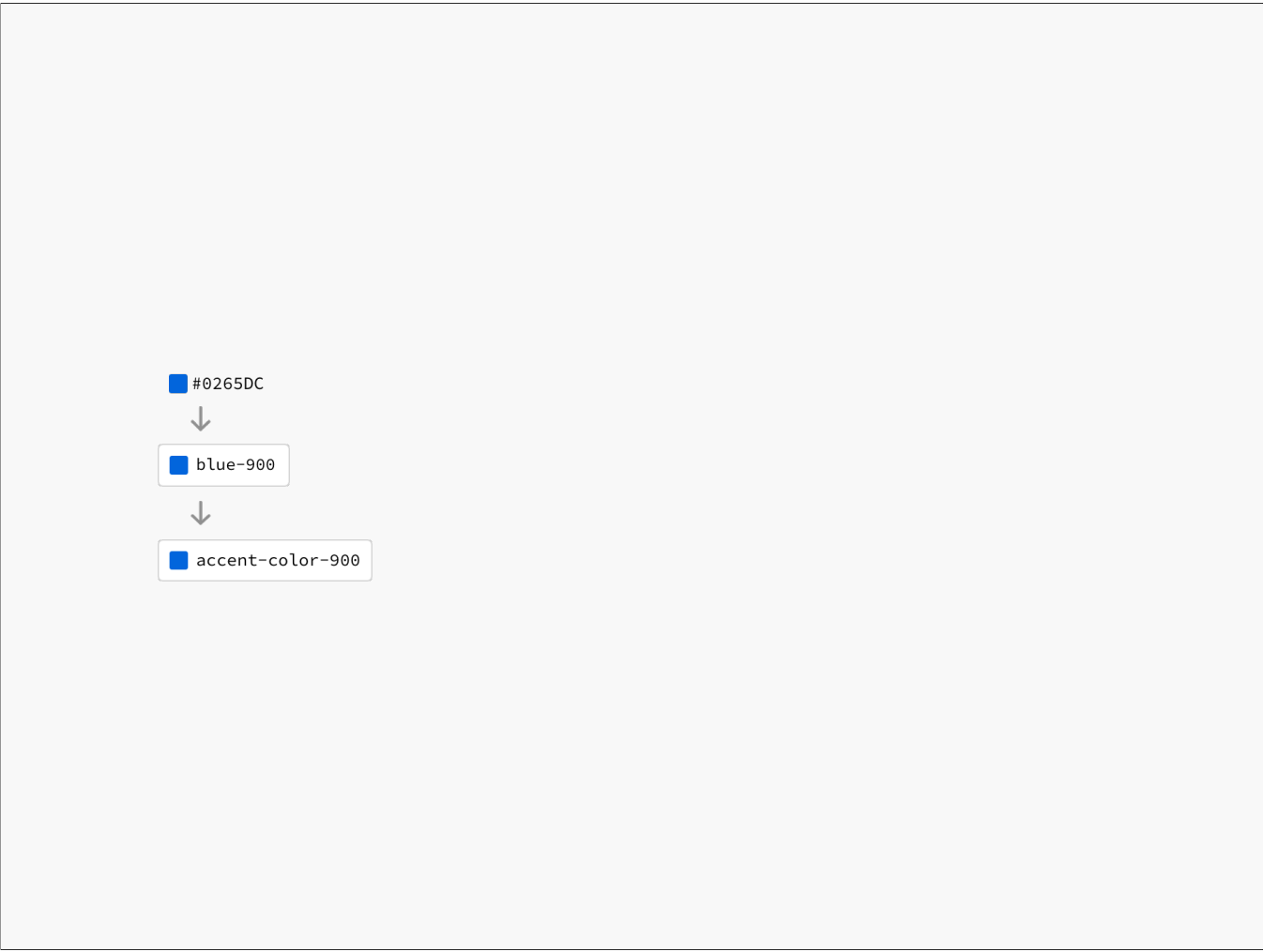
A name and a value - no associated component

■ #0265DC




■ blue-900

base token



Semantic alias - a meaningful name and a reference to a value.

 #0265DC



 blue-900



 accent-color-900

alias

 #0265DC




 blue-900




 accent-color-900



 accent-background-color-default

 #0265DC



 blue-900



 accent-color-900



 accent-background-color-default

alias

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

button-accent-background-color-default

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

alert-dialog-top-to-alert-icon

37 px (desktop)
29 px (mobile)

New token

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

button-accent-background-color-default

alert-dialog-top-to-alert-icon

37 px (desktop)

29 px (mobile)

New token

Component Specific Tokens

- Cons
 - Everything is unique
 - Lack of consistency
- Pros
 - Highly specific

System aliases

- Cons
 - Component relationship not currently captured in design data
 - Reused?
- Pros
 - Increased system consistency

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



Button

button-accent-background-color-default

■ #0265DC



■ blue-900



■ accent-color-900



■ accent-background-color-default



button-accent-background-color-default

Semantic Alias?

■ #0265DC



■ blue-900



■ accent-color-900



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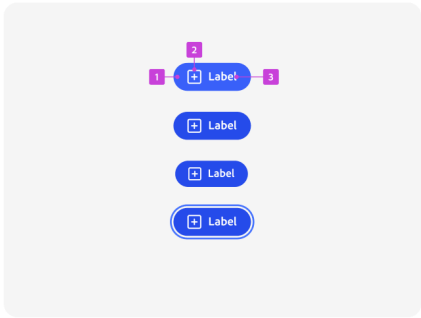


Button

button-accent-background-color-default

Semantic Alias?

Semantic Alias?



Accent

- Background
- 1 accent-background-color-default Default
 - accent-background-color-hover Hover
 - accent-background-color-down Down
 - accent-background-color-key-focus Keyboard focus

Icon

- 2 white

Label

- 3 white

Pain Points

Spectrum Design

- A lot of data stored in Figma spec files
- Easy to create new component-specific tokens
- Hard to revisit and consolidate to create system aliases

To the extremes

Semantic vs Component

- Semantic (reduce number of tokens)
 - Maximum number of tokens
 - Constrain Design
- Component
 - No force shared data between

