

Vue Router

Lazy Loading and Route Guards



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Overview



Navigation Lifecycle

Navigation Hooks

Implementing Navigation Guards

Protecting Routes with Authentication

Lazy Loading Components



Understanding the Vue Router Navigation Lifecycle



Navigation Hooks

Global

Per-Route

In-Component



Global Route Hooks

Before Each

- Route triggered
- Can be canceled

Before Resolve

- Route confirmed and ready to resolve
- Can be canceled

After Each

- After route is resolved
- Cannot be canceled



Per-Route Hooks

Before Enter

- Configured for each route separately



In-Component Route Hooks

Before Route Enter

- Called before entering the route
- Component hasn't been created yet
- Can be canceled

Before Route Update

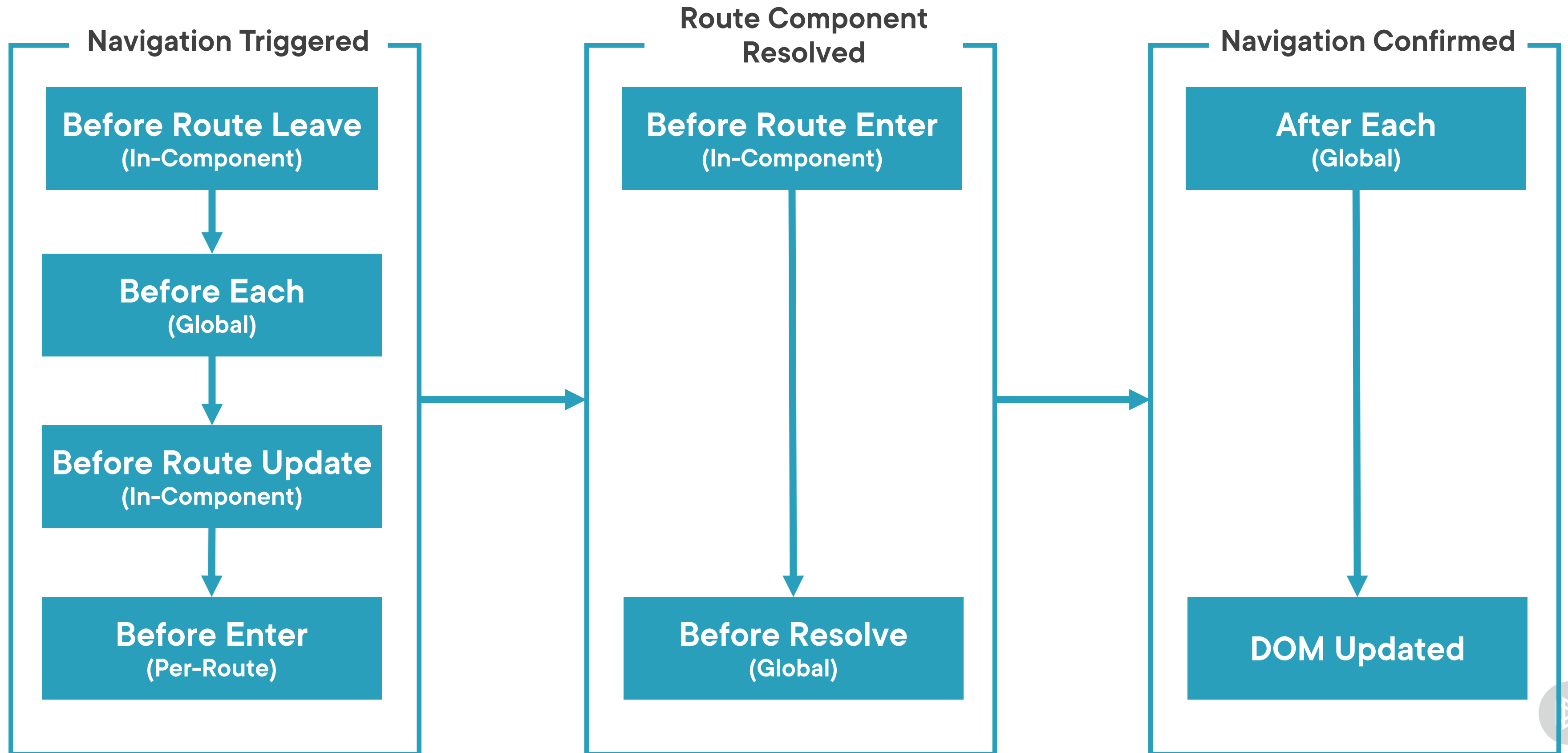
- Called when route parameters change

Before Route Leave

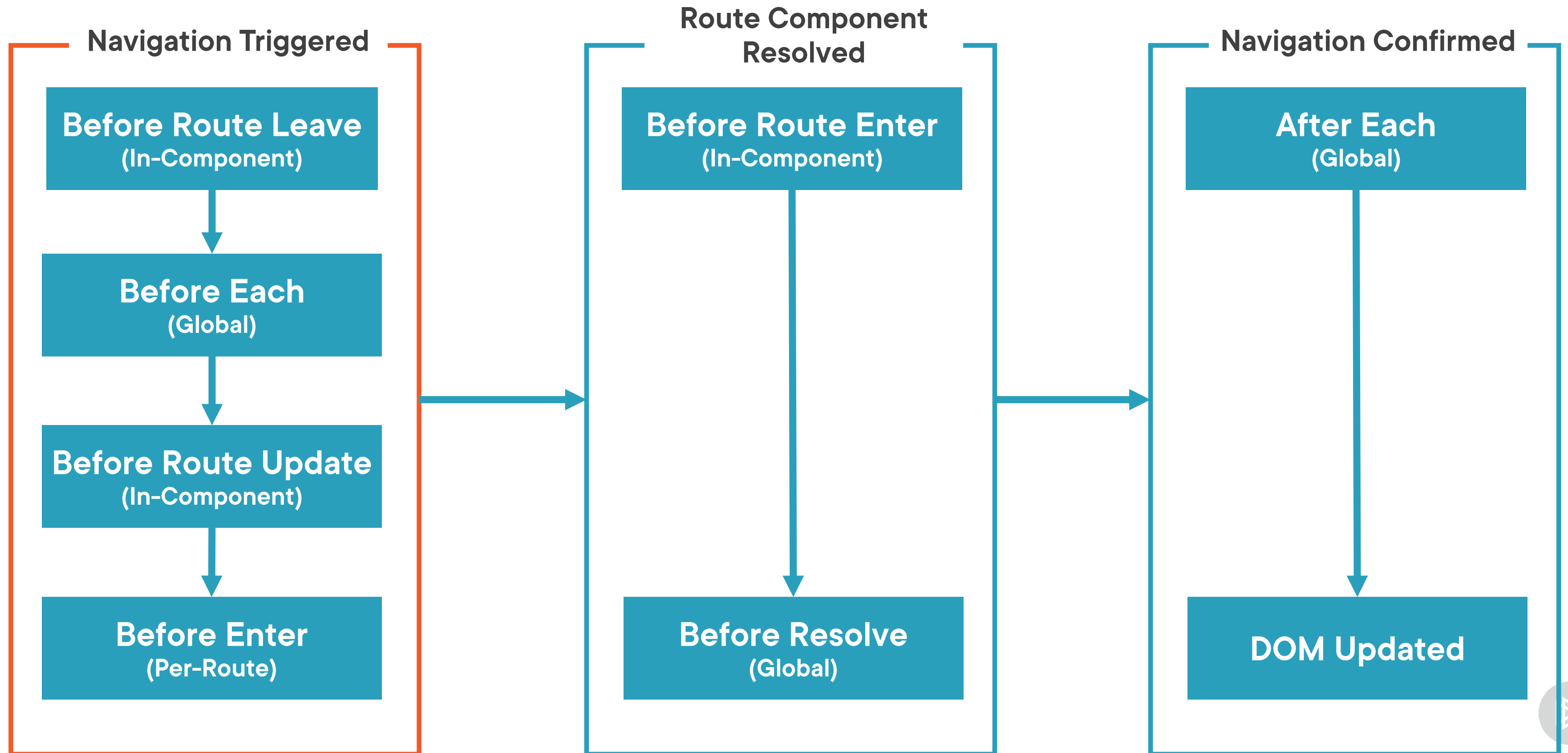
- Called before navigating away
- Can be canceled



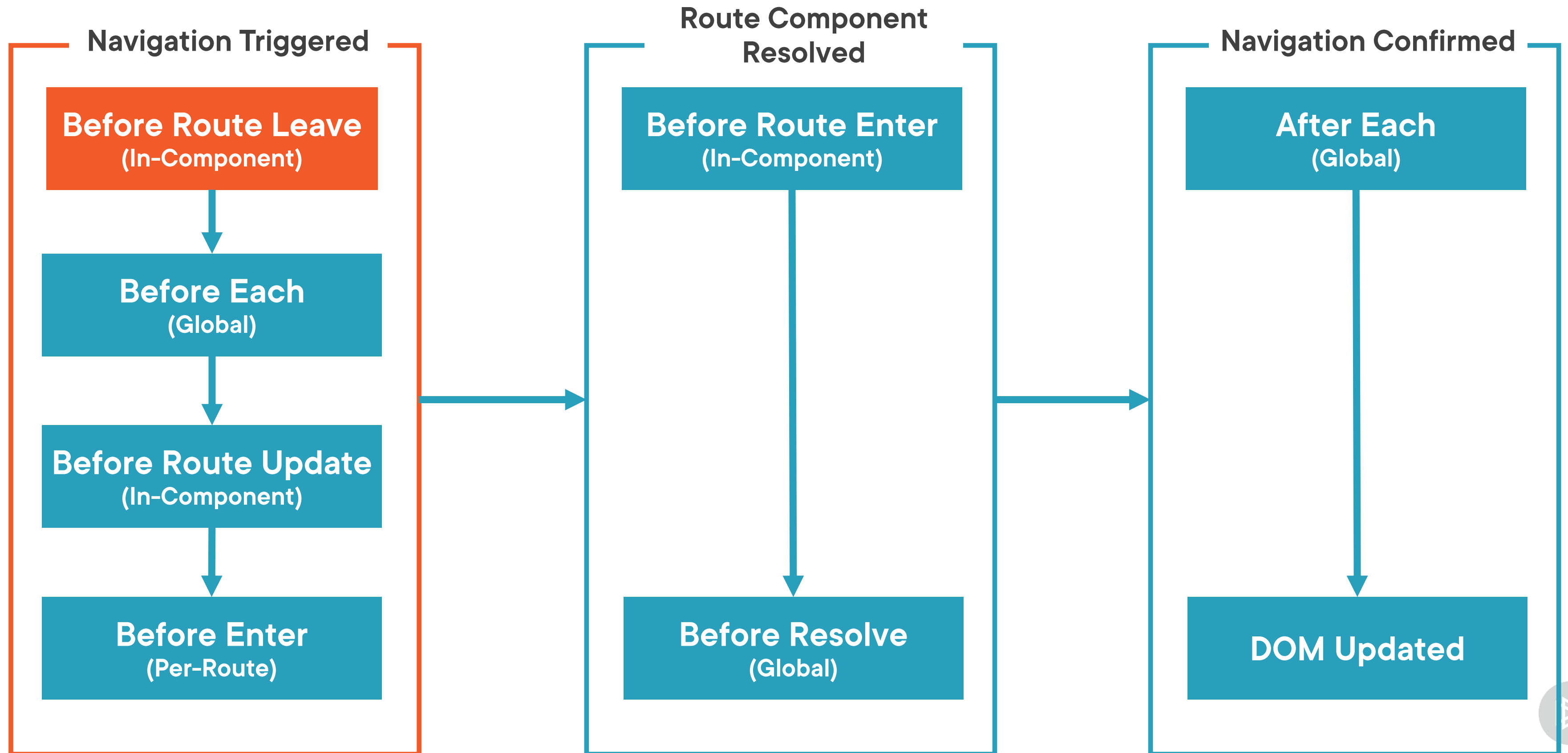
Navigation Hooks Execution Order



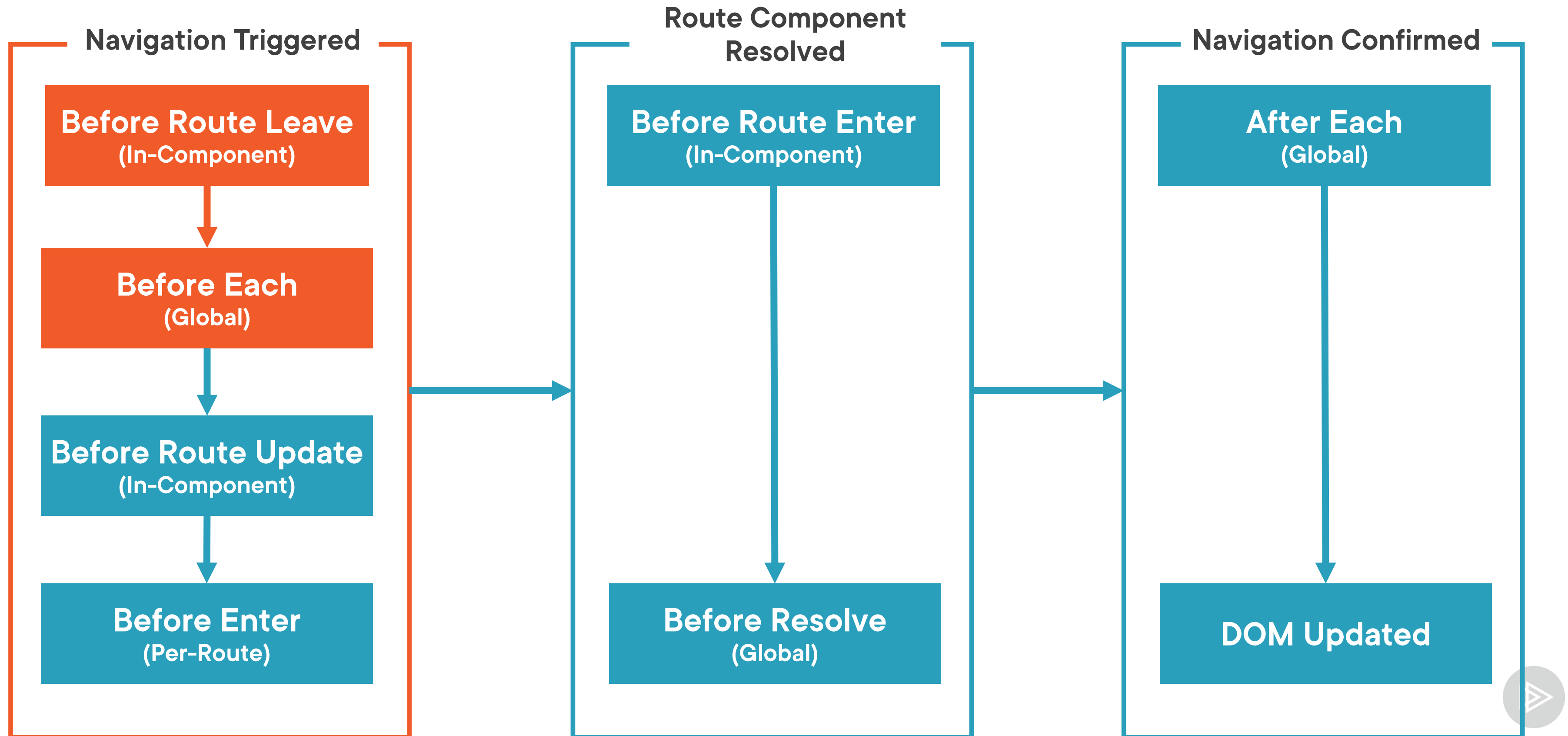
Navigation Guard Order



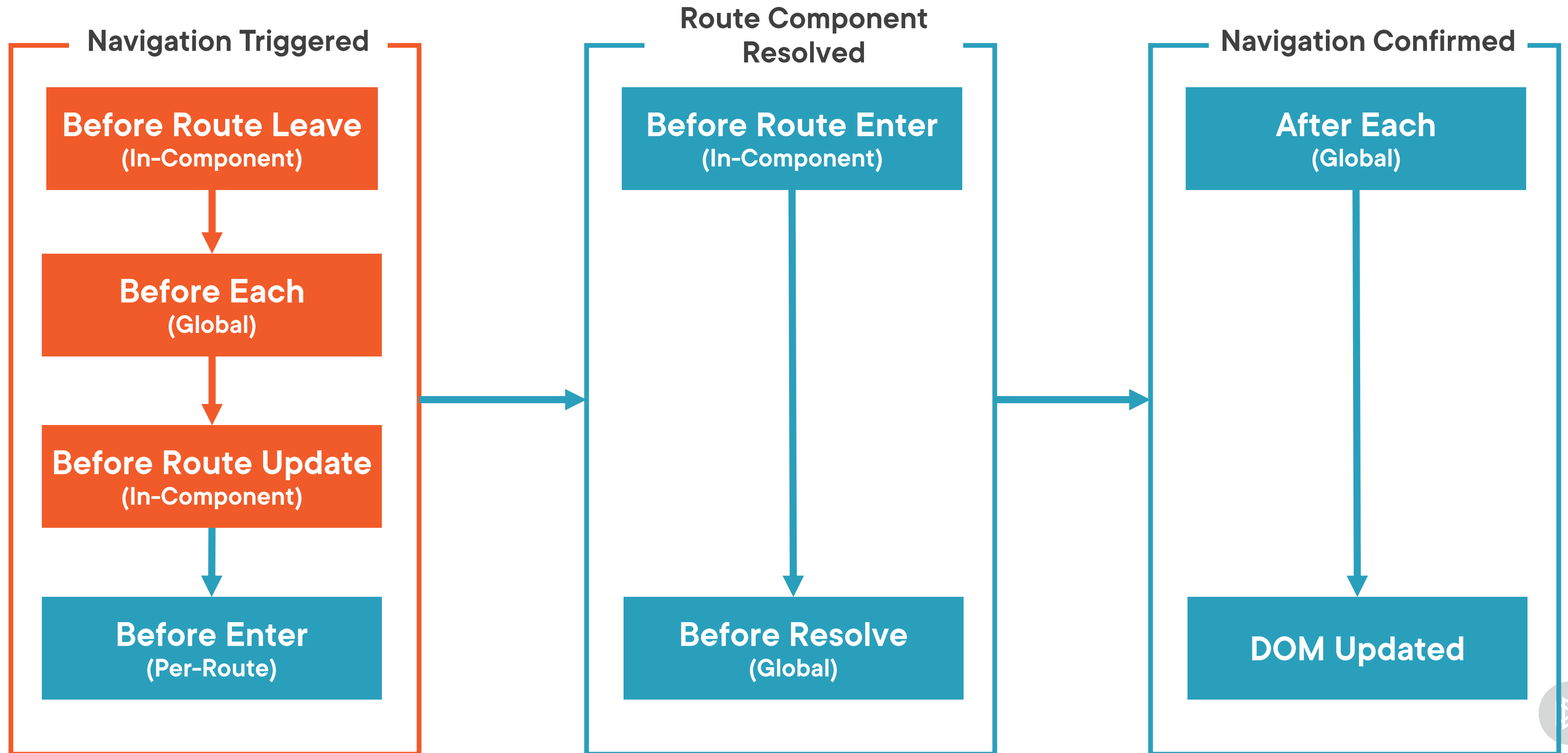
Navigation Guard Order



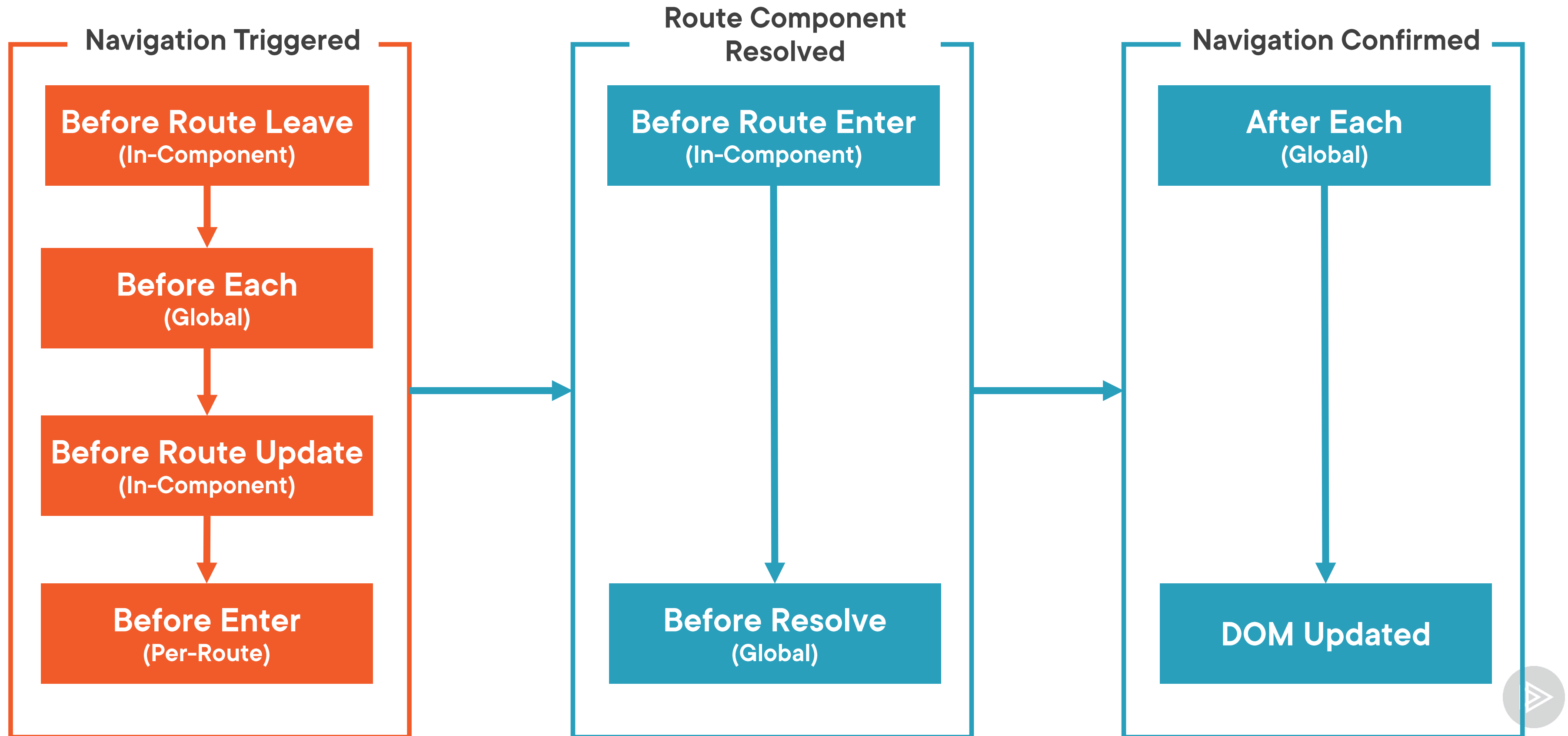
Navigation Guard Order



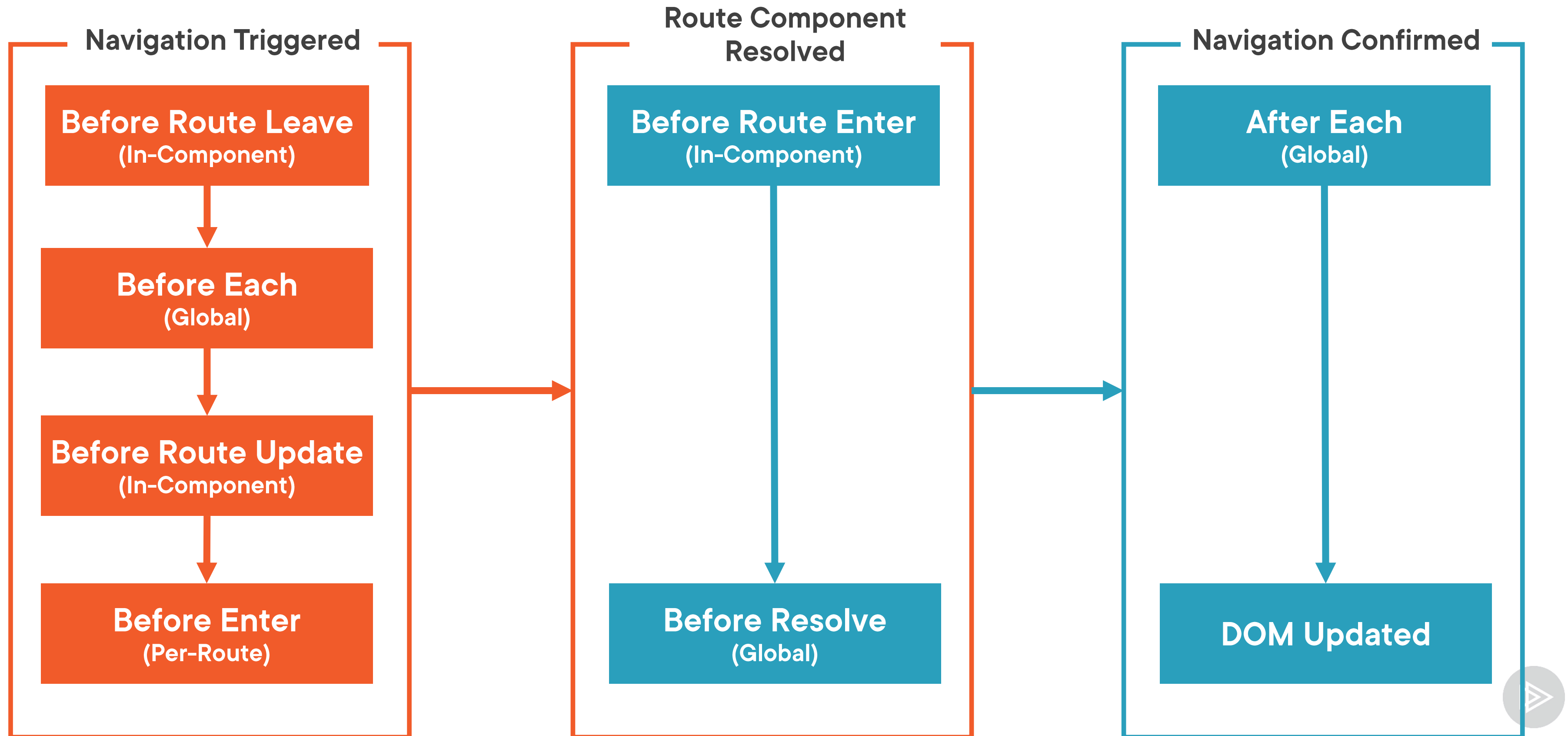
Navigation Guard Order



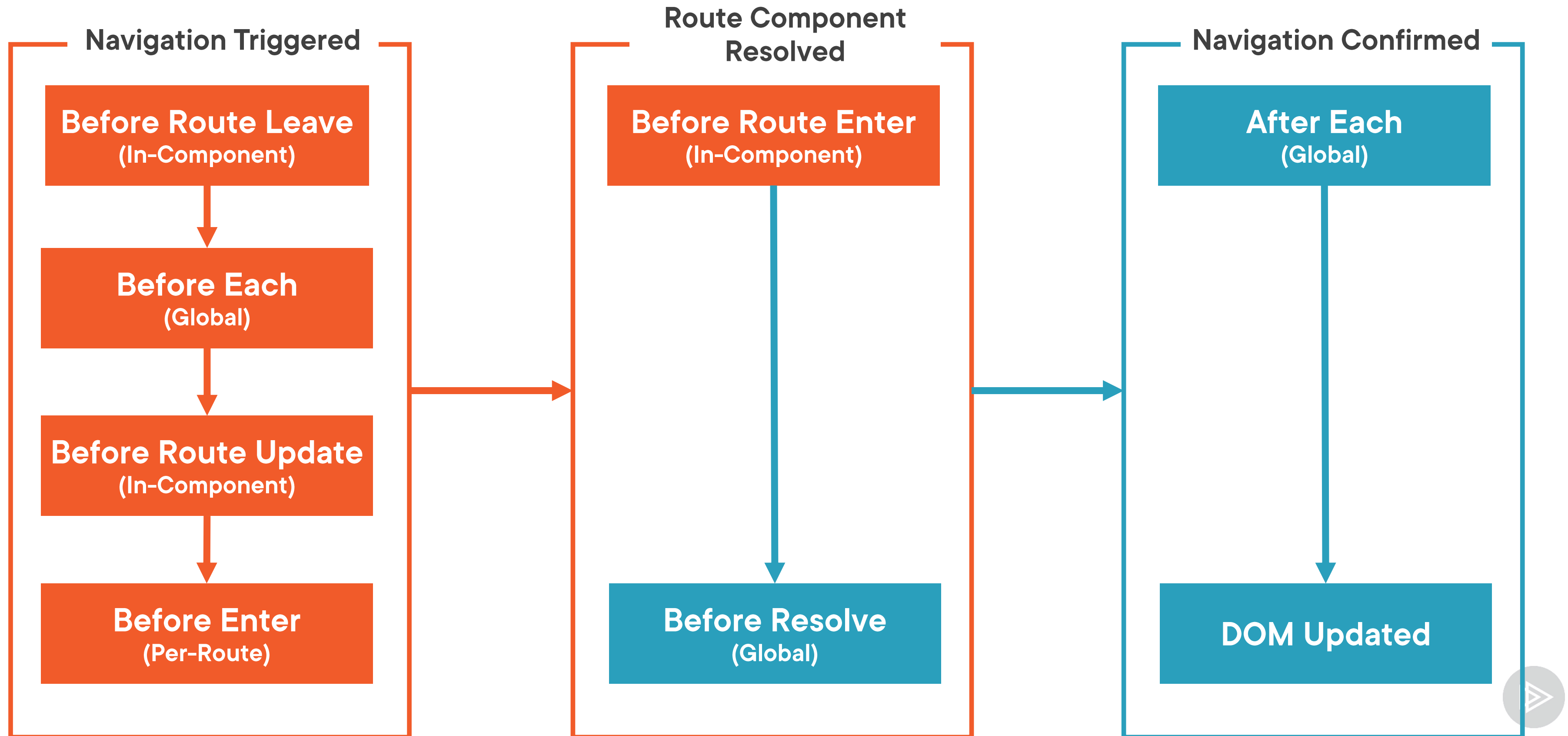
Navigation Guard Order



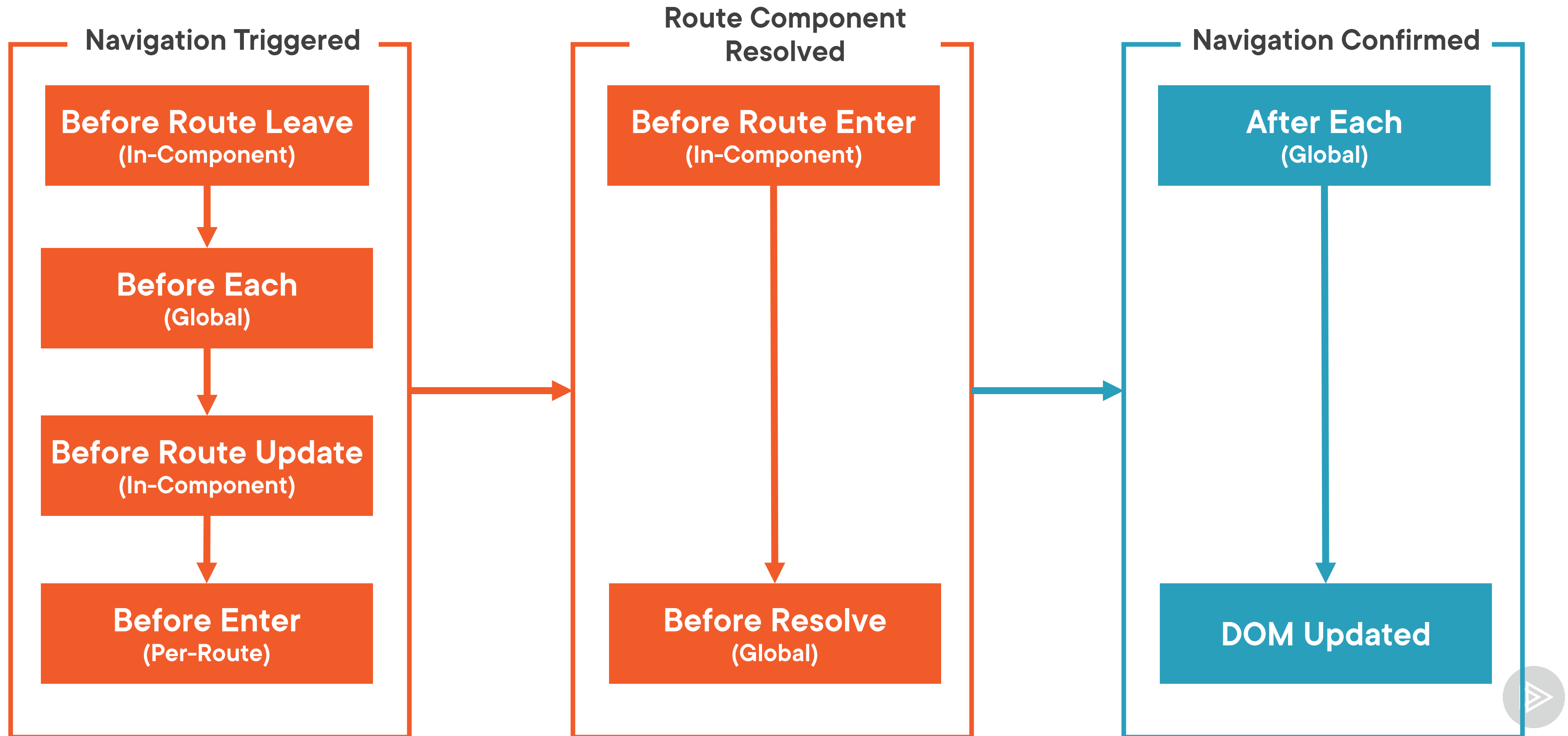
Navigation Guard Order



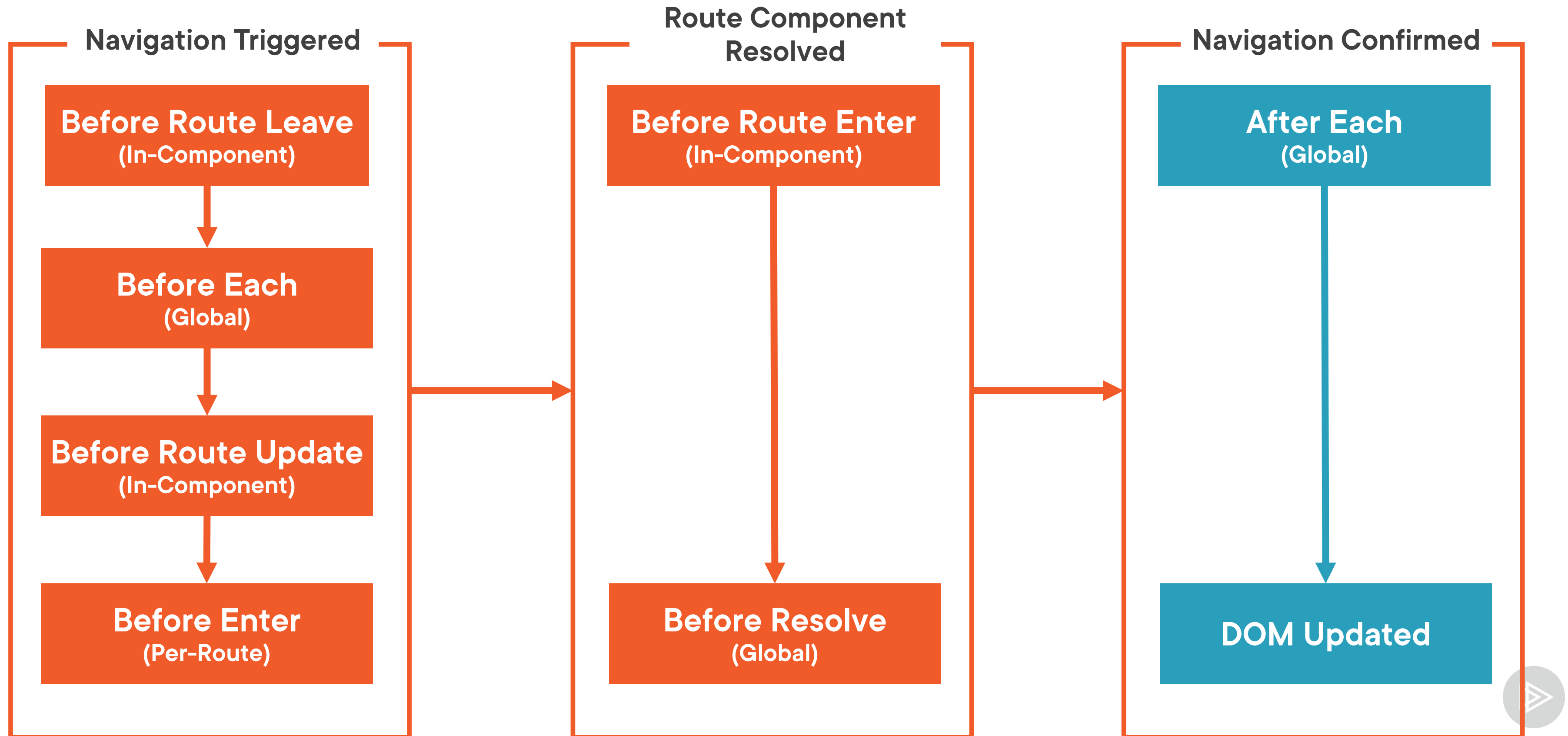
Navigation Guard Order



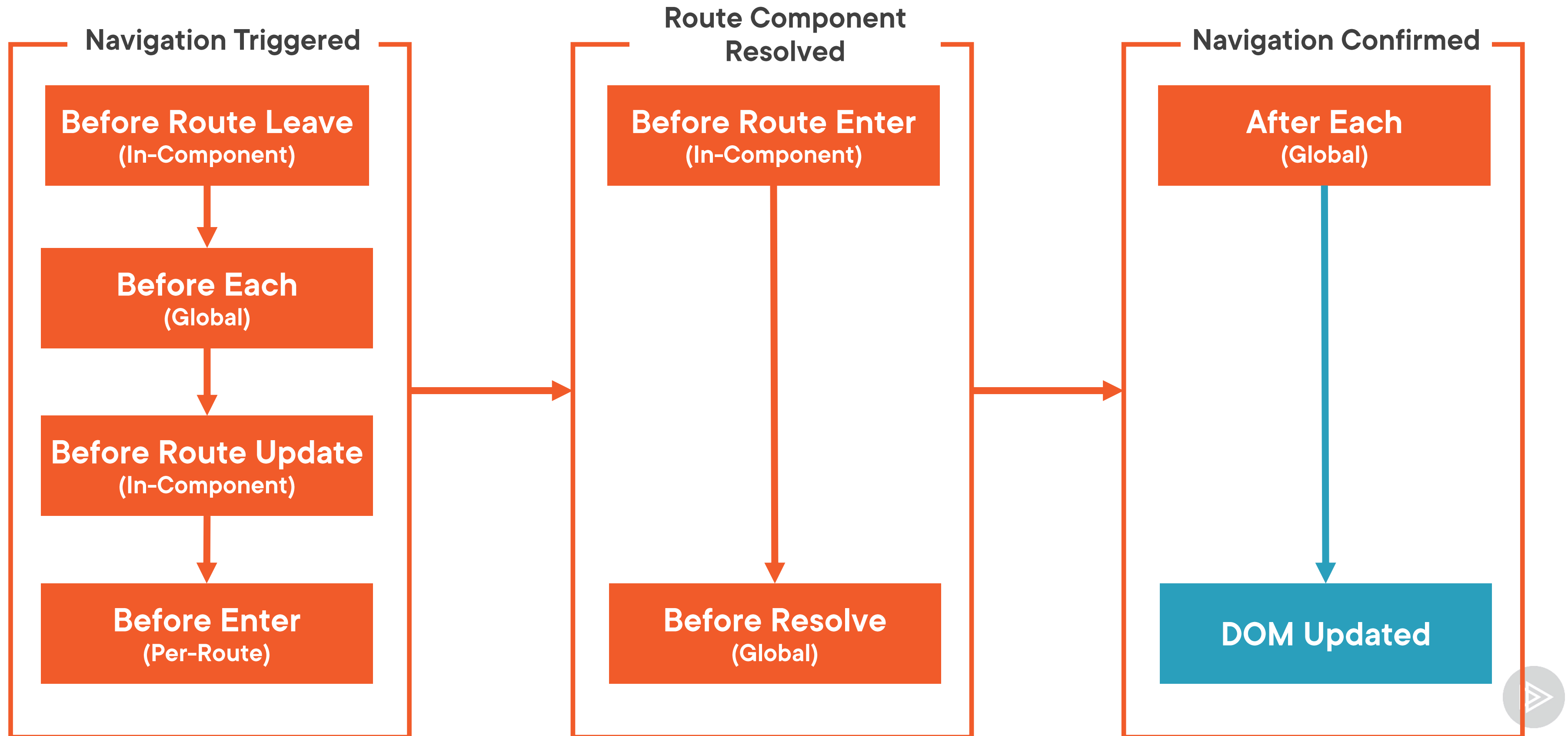
Navigation Guard Order



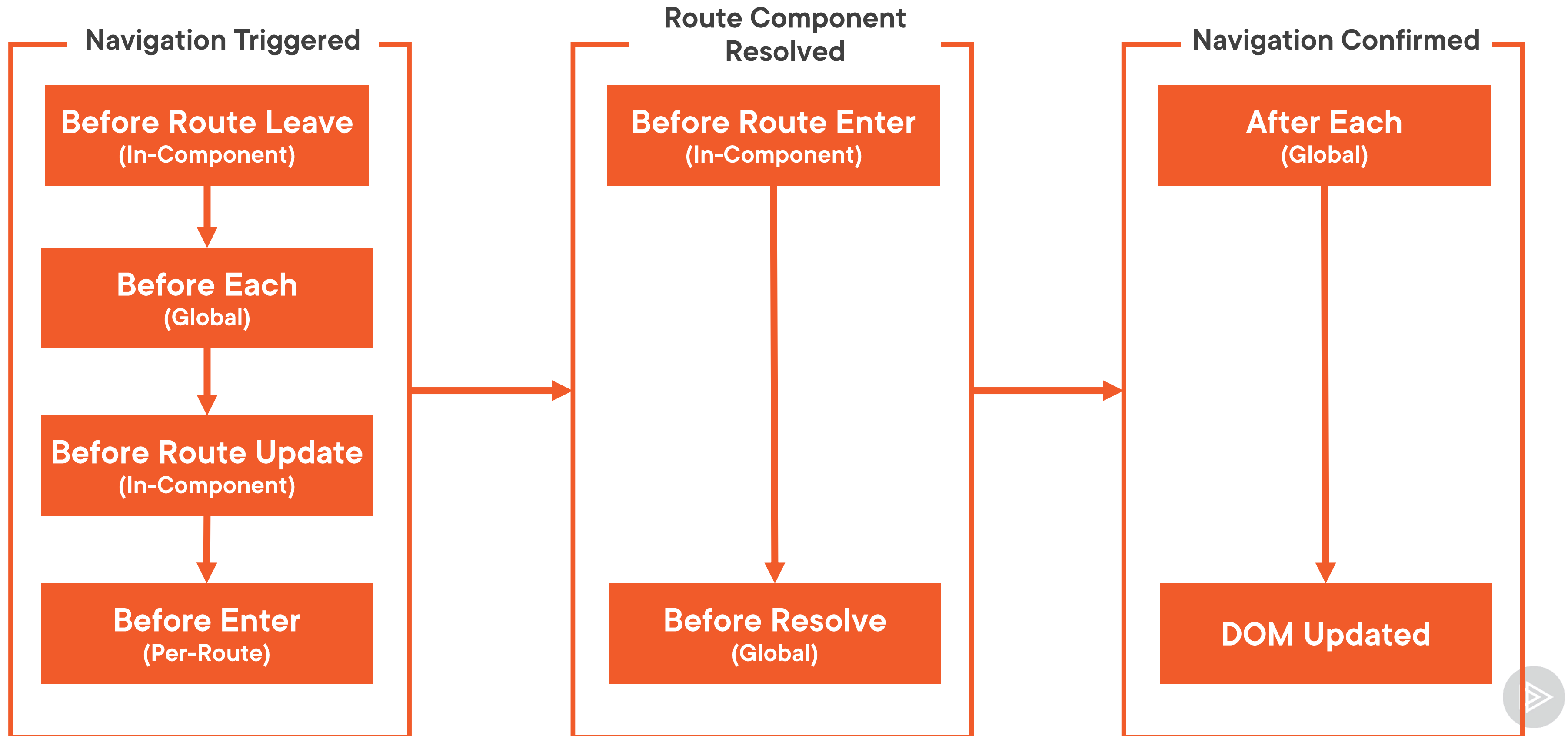
Navigation Guard Order



Navigation Guard Order



Navigation Guard Order



Customizing Navigation using Navigation Hooks



Implementing Authentication Guards



Lazy Loading Route Components



Summary



Navigation Hooks(Route Guards)

- Request User Permissions
- Change Site Title
- Protecting Routes with Authentication

Lazy Loading Components

- Prefetching

