

Creating Nested Router Outlets and Auxiliary Routes



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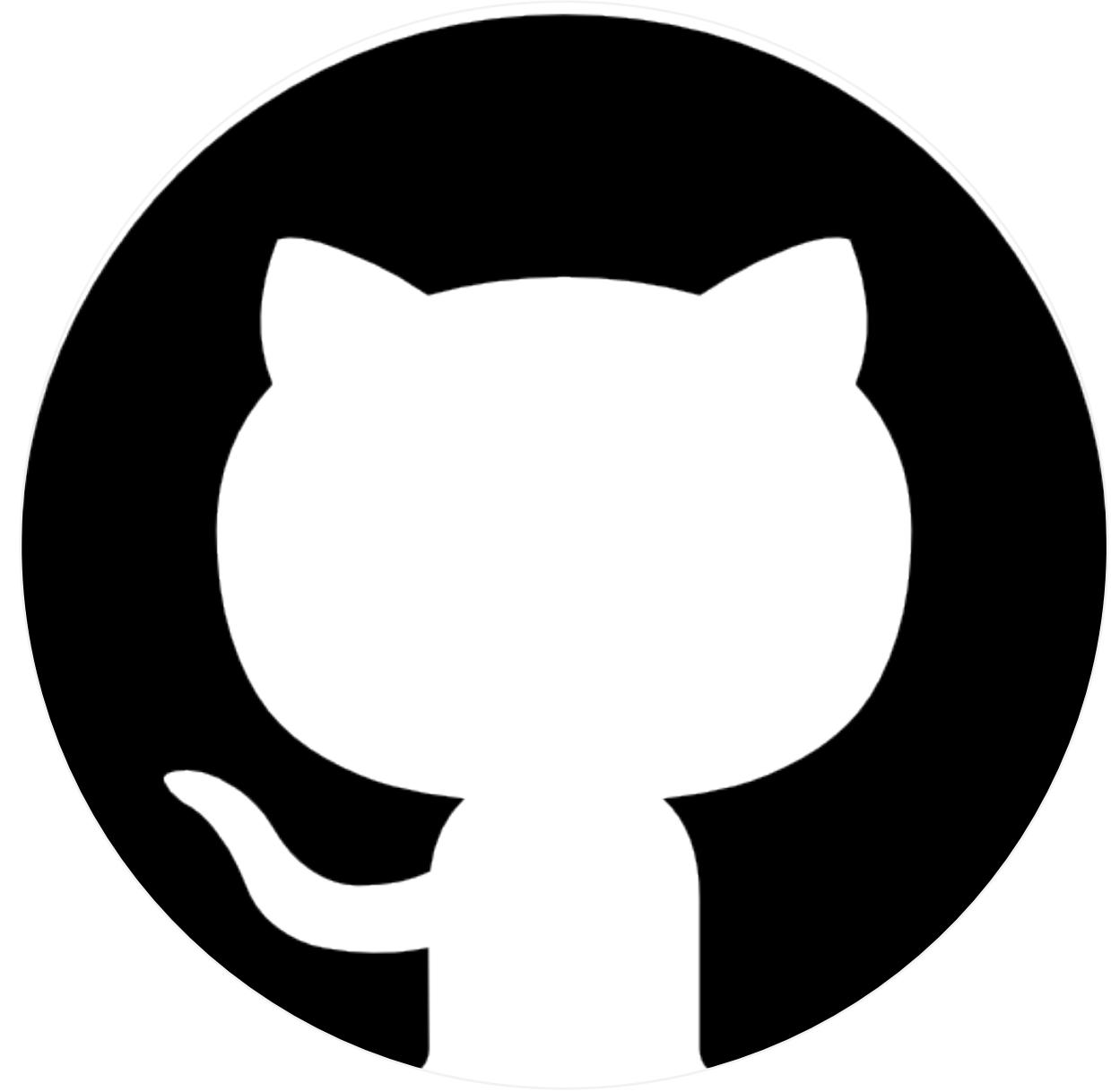
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What We Will Cover in This Module



Why and how to add nested router outlets

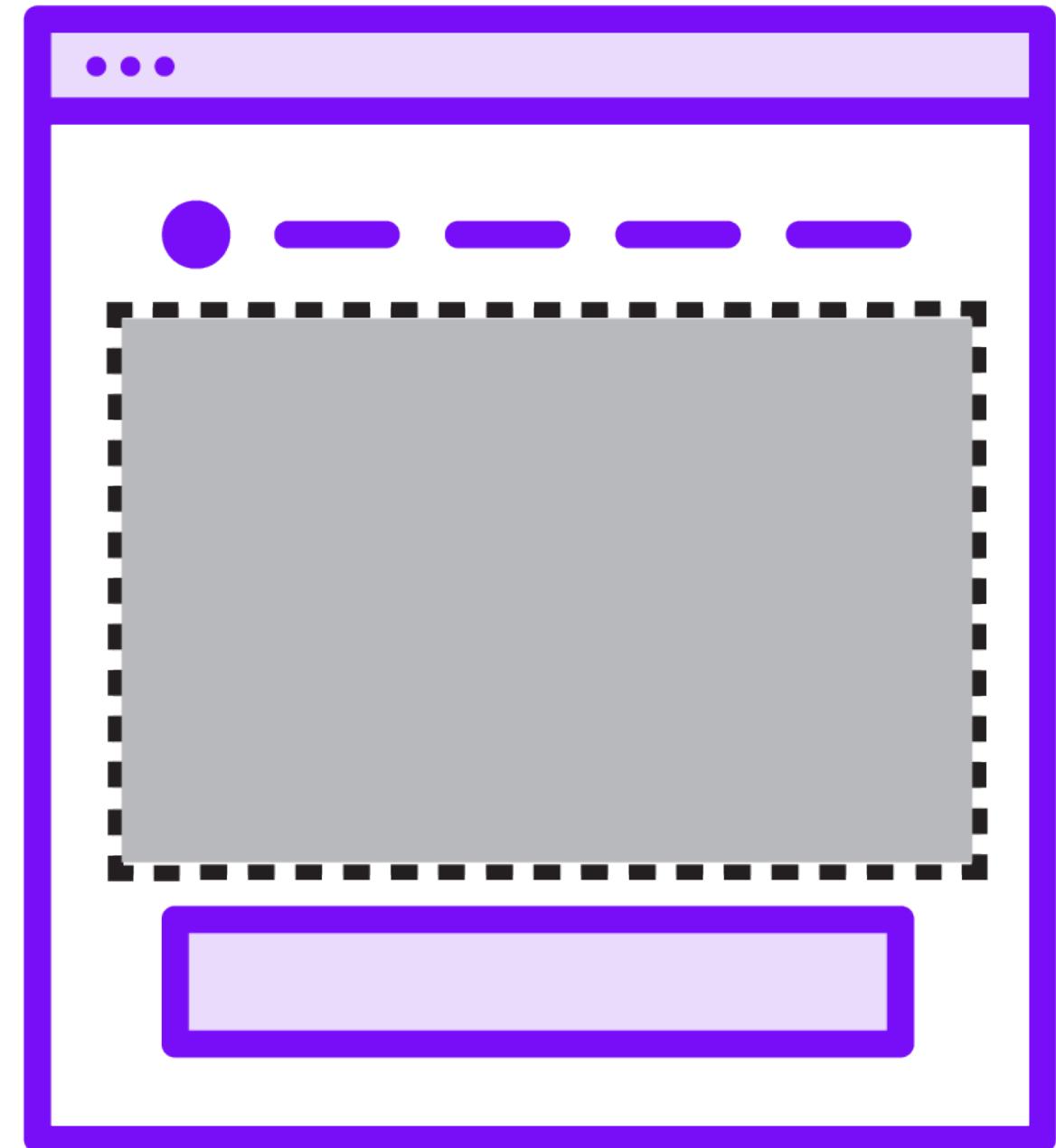
Why and how to add auxiliary routes



Repository for Module Seven

github.com/lara-newsom/angular-routing-course

- module-seven-start



RouterOutlet

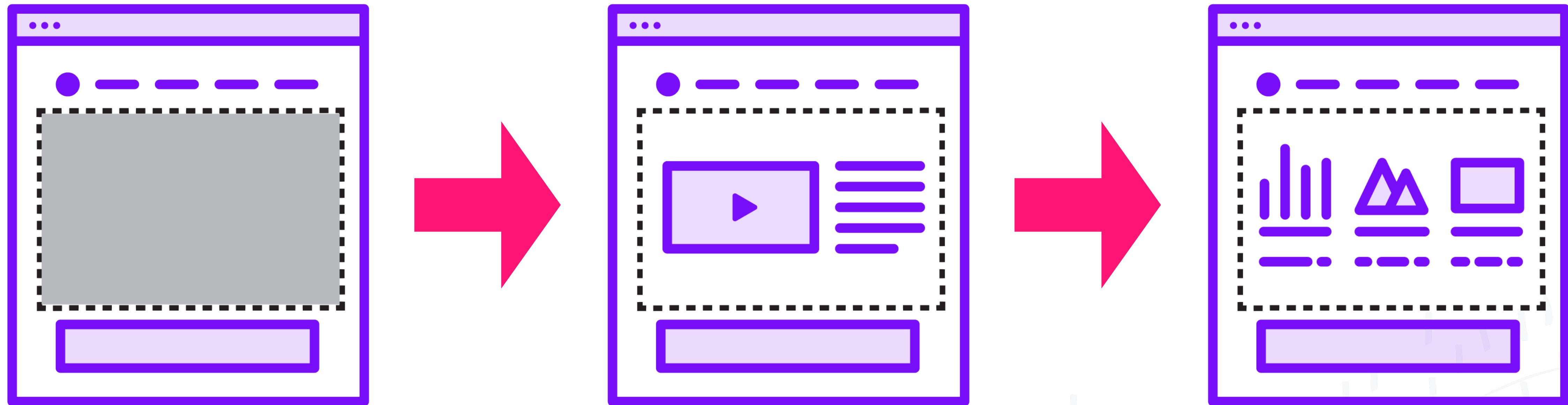
An Angular routing directive

A container for routed content

Placed in the flow of the DOM

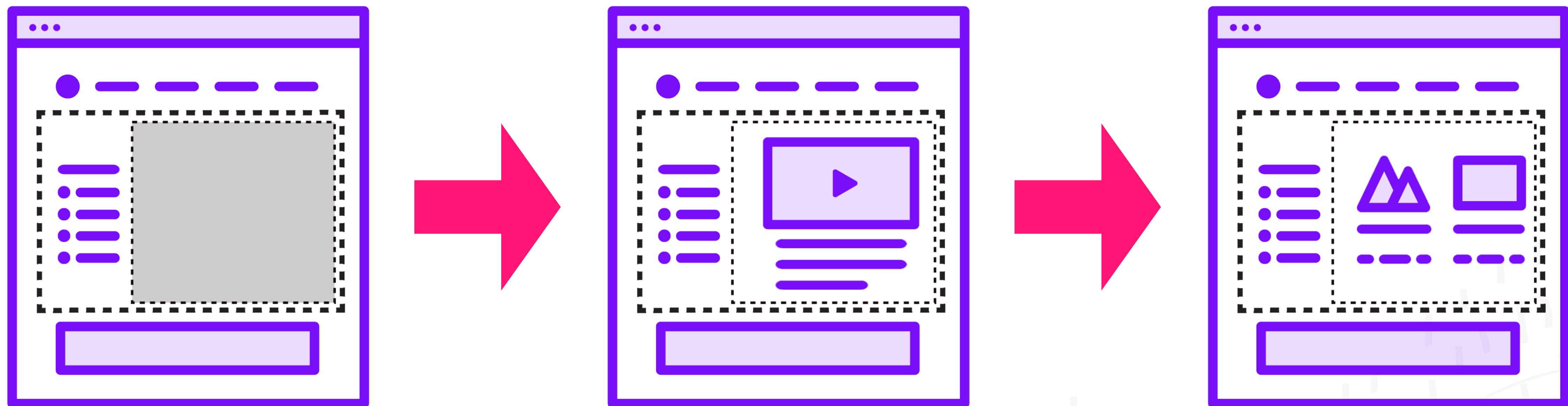
Router Outlets

As routes change and the content inside the router outlet is destroyed and replaced, content outside the router outlet is untouched.



Nested Router Outlets

Nested router outlets retain page elements from the parent router outlet as the views inside the nested router outlet are destroyed and initialized.





Declaring Child Routes for Nested Router Outlets

Use the `children` property of the `Route` object

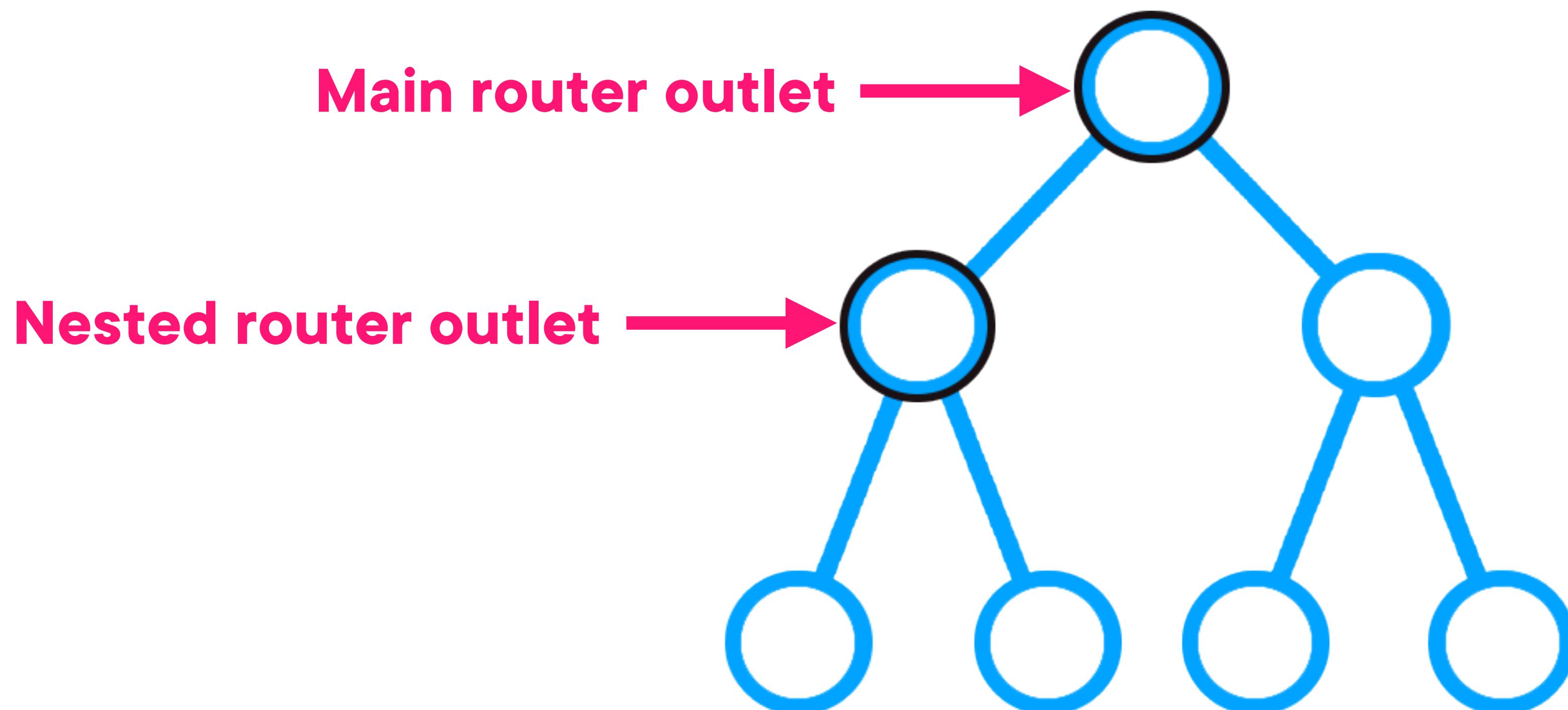
Accepts an array of routes

Child routes can also have child routes

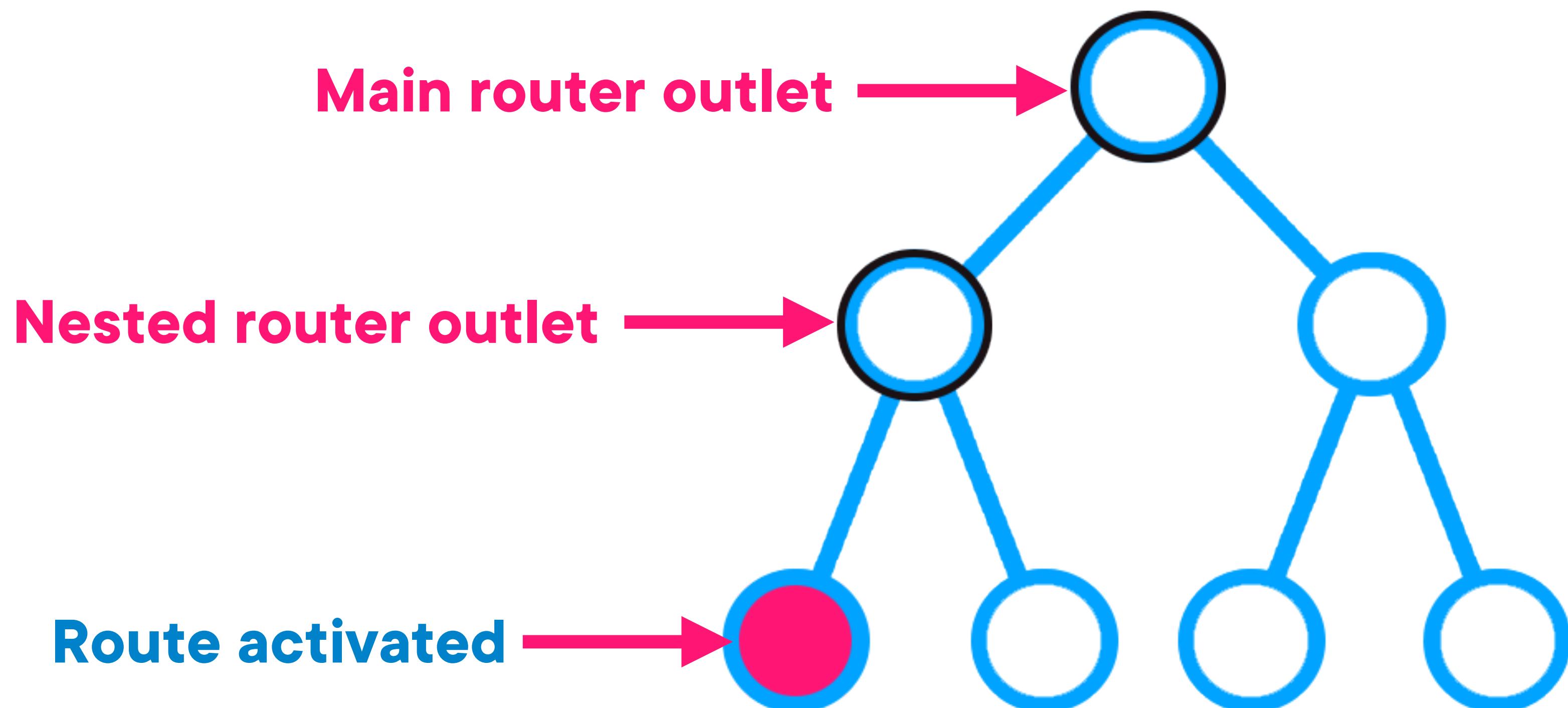
Nested router outlets are part of the parent route component template

Declaration is the same for module based or standalone component based applications

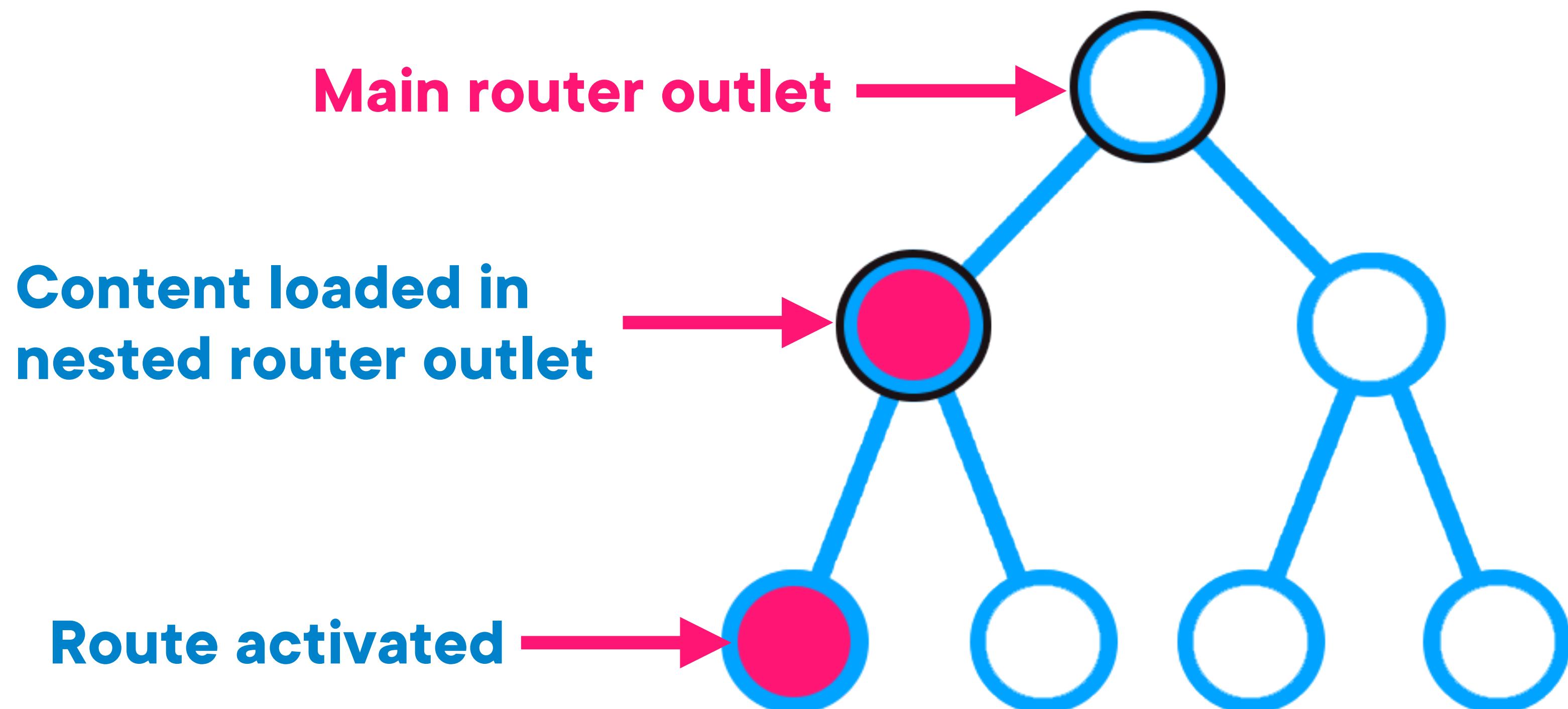
Where is Content Loaded?



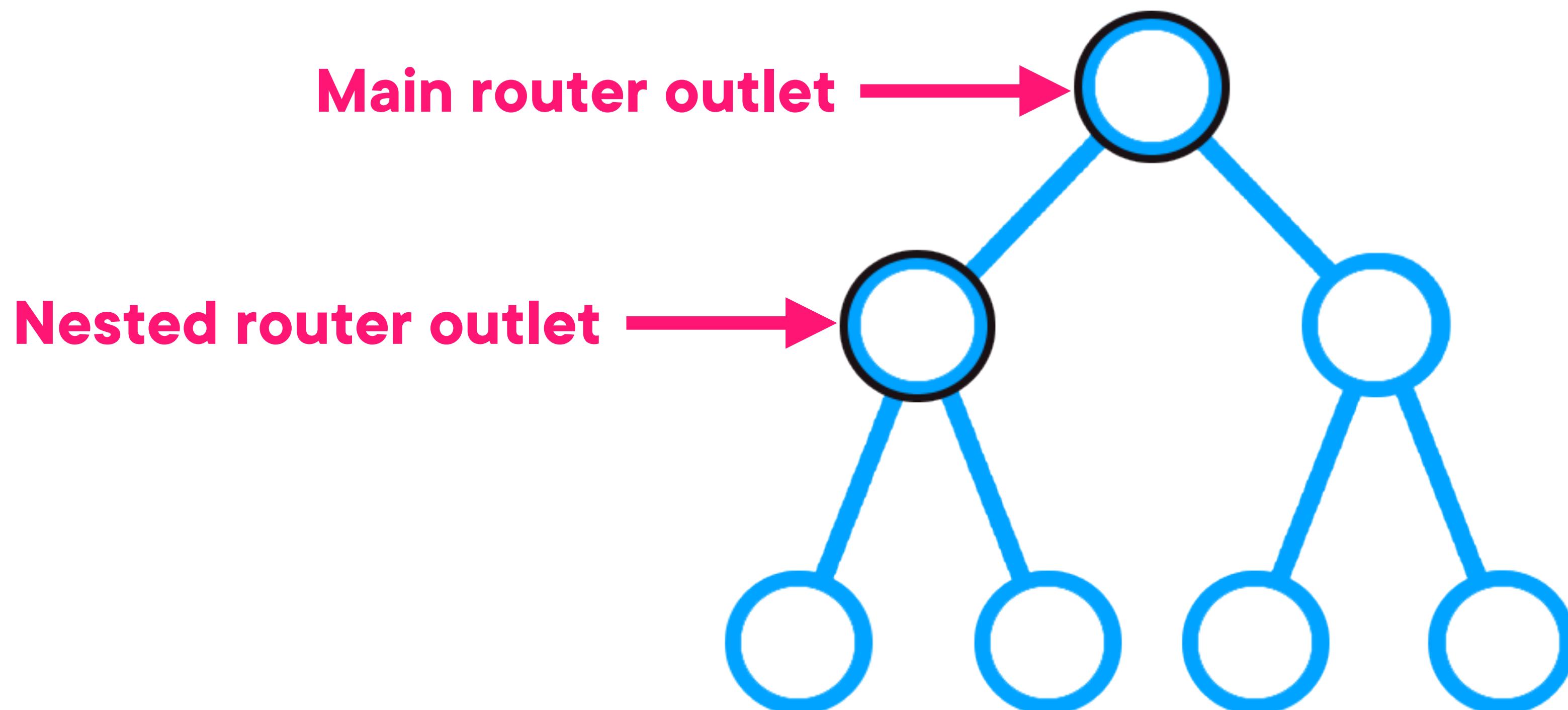
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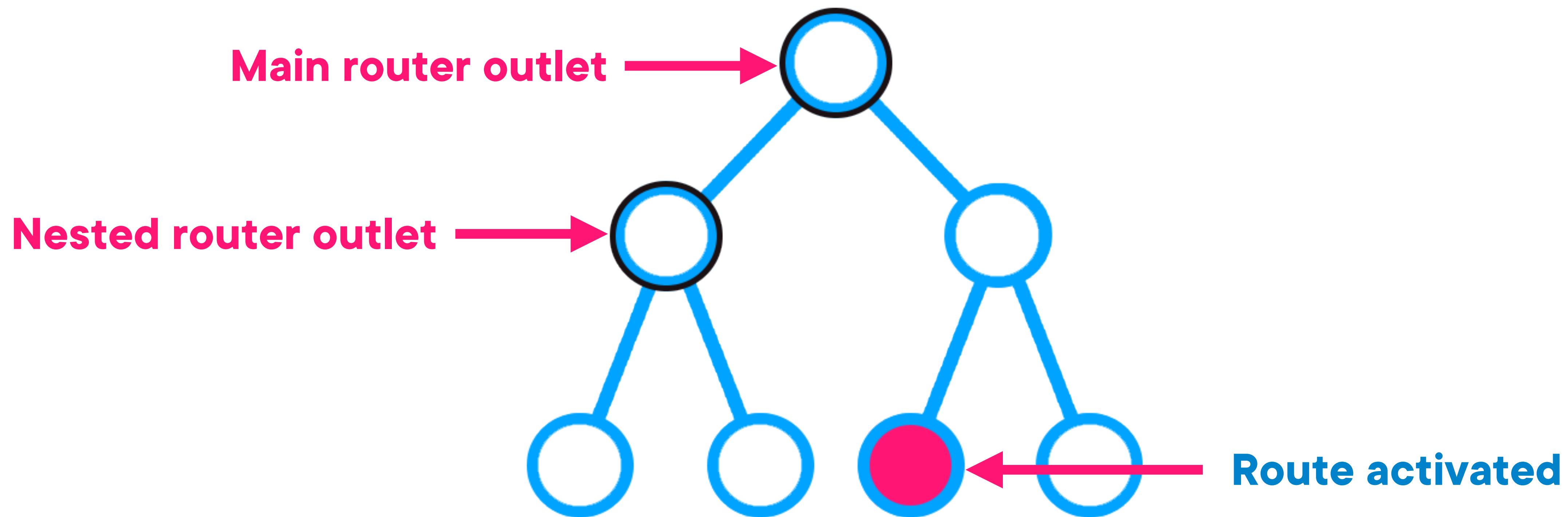
Where is Content Loaded?



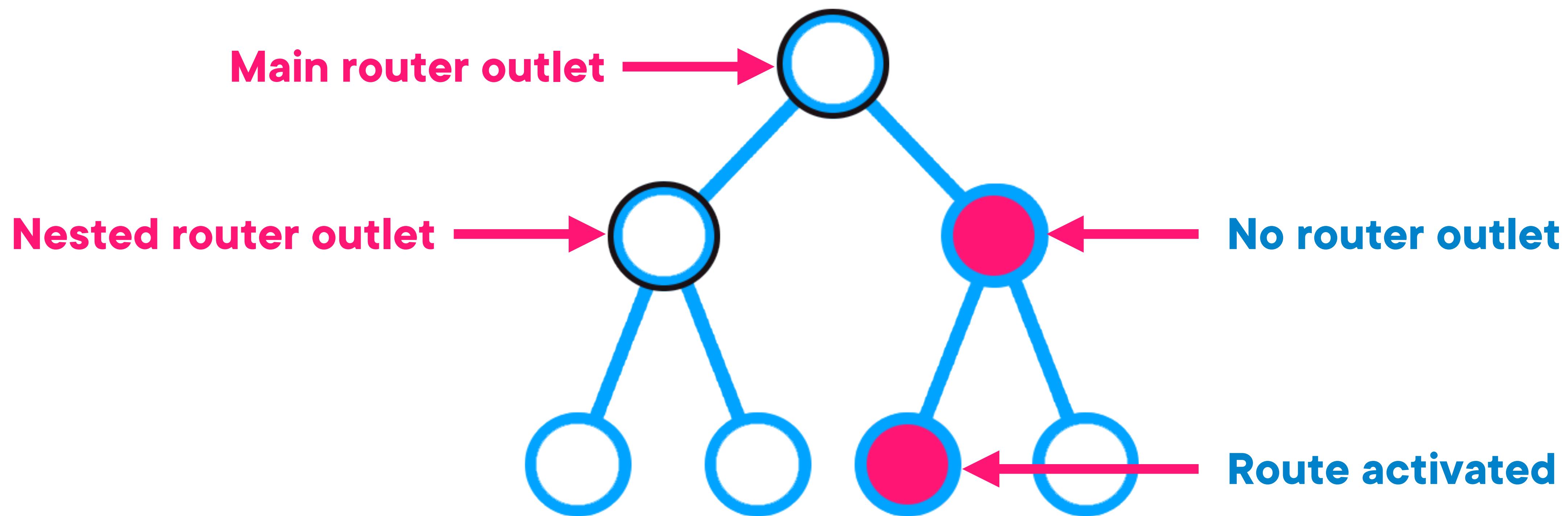
Where is Content Loaded?



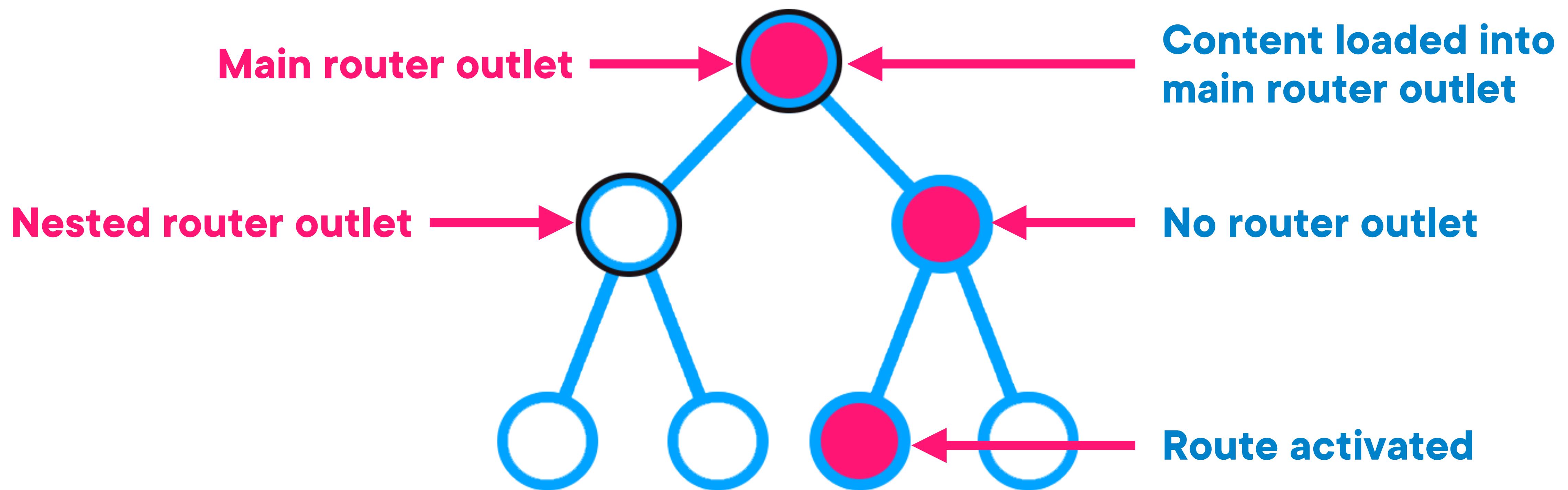
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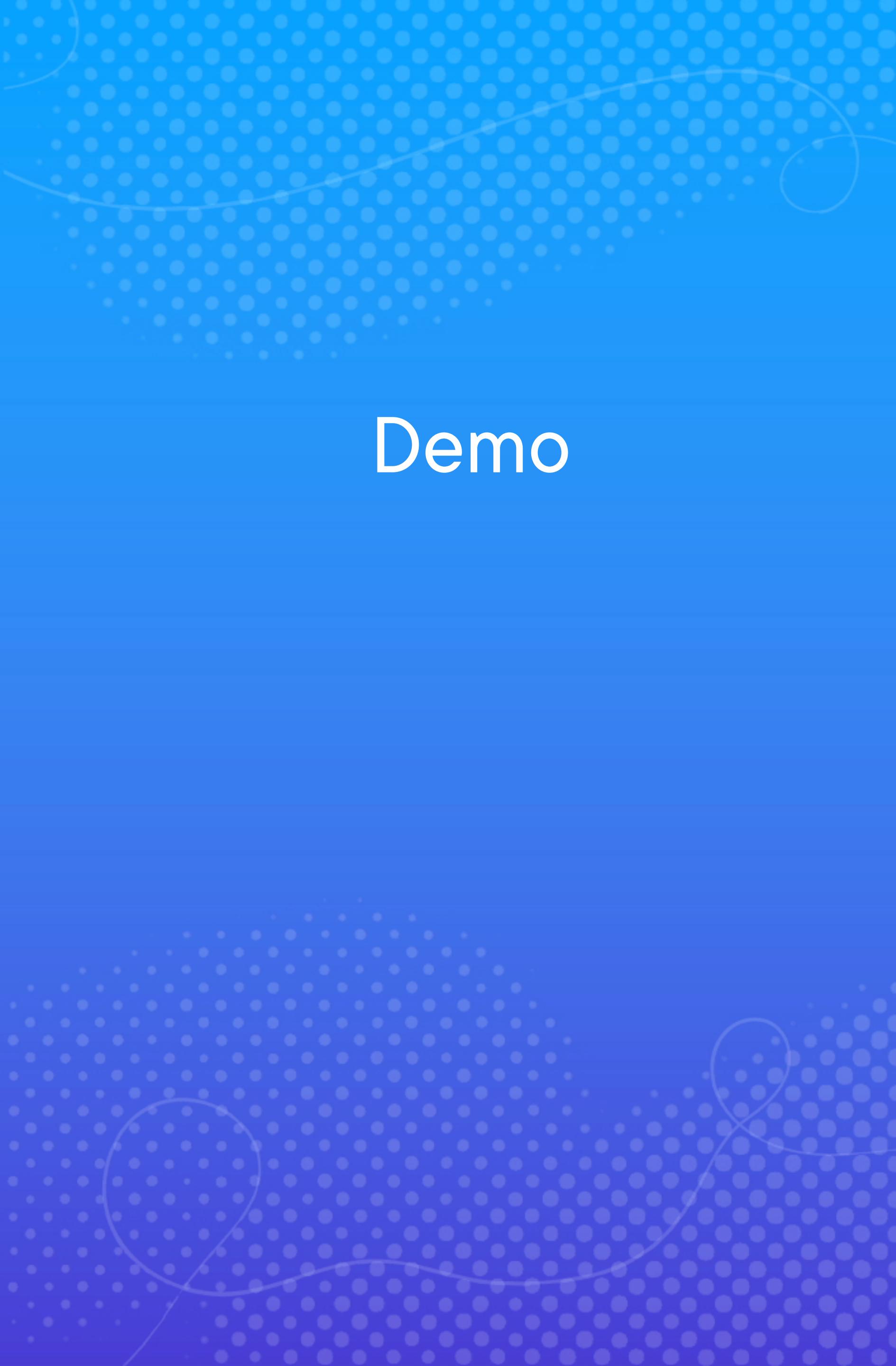


Where is Content Loaded?



Where is Content Loaded?





Demo

Adding a nested router outlet



Auxiliary Routes: Yes or No?

Provide routable secondary routes

**Router outlet outside of
the main router outlet**

**Bad implementation by teams can make
auxiliary routes frustrating to work with**

**Auxiliary routes are often
referred to as named
outlets in the Angular docs**

Implementing Auxiliary Routes

**Add a router outlet to view with
the name input property set**

**Declare a route with the outlet property set to
the name of the router outlet**

**Activate the route with a router link
or the router.navigate method**

Adding and Removing Auxiliary Routes from the URL

Add auxiliary route to the URL:

```
{ outlets: { outletName: pathSegments } }
```

Remove auxiliary route to the URL:

```
{ outlets: { outletName: null } }
```

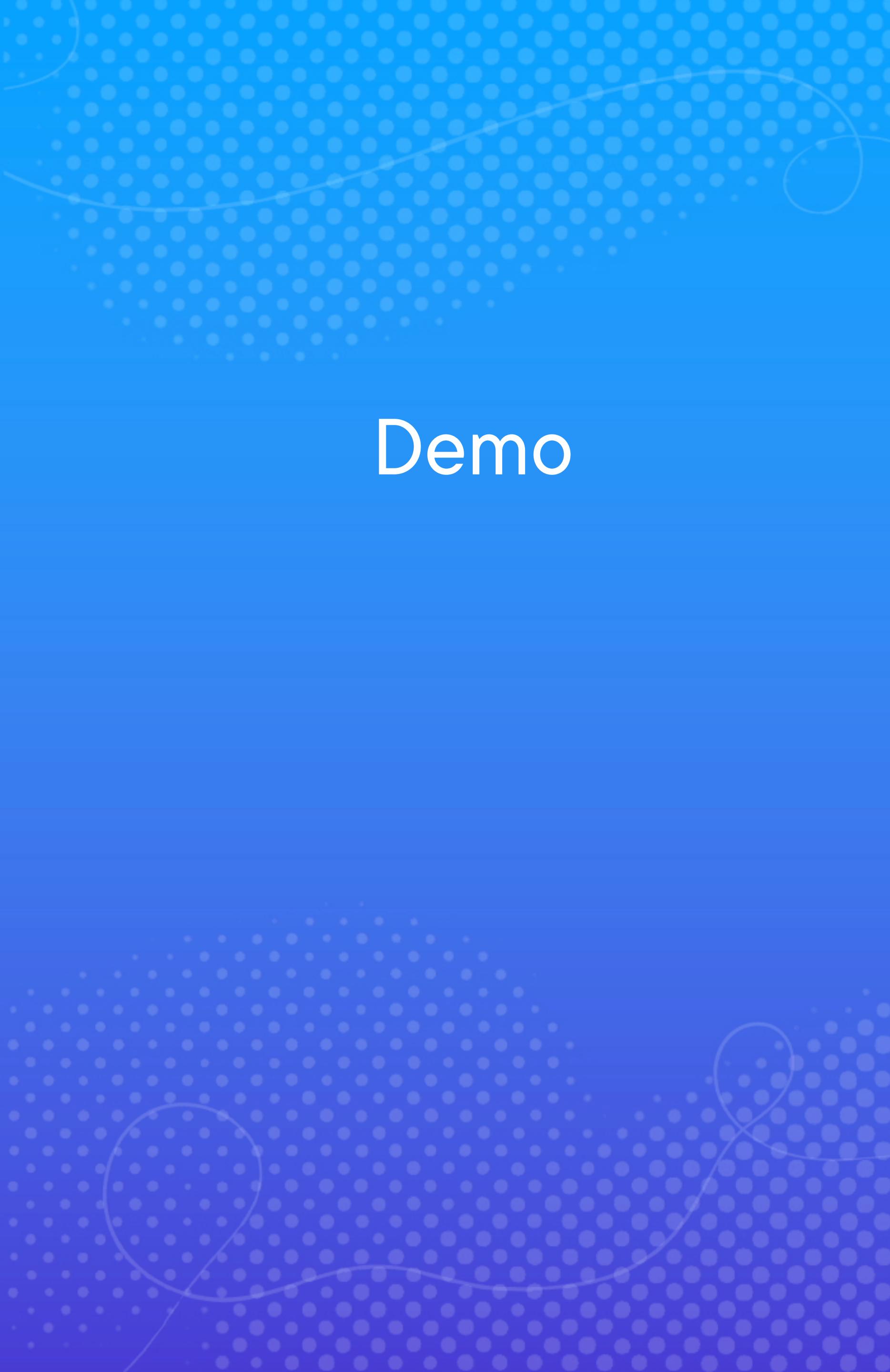


Auxiliary Routes Tips

When using router links pass a single forward slash before the outlets segment to prevent navigation from being skipped

The router.navigate method don't need a forward slash because it uses the absolute URL by default

Set queryParamsHandling to merge or query params will be removed on navigation



Demo

Adding an auxiliary route

Summary

When and how to use nested router outlets

When and how to use auxiliary routes

Implemented a nested router outlet for the product view

Implemented an auxiliary route to handle the cart component

Up Next:

Improving Performance with Lazy Loading
