

Adding Navigation Checks Using Route Guards



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Overview



Navigation Lifecycle

Route Guards

- Create an authentication Guard
 - Protect orders and account page
- Component deactivation Guard
 - Protect data loss
- Run final checks just before route activation
- Perform after navigation operations



Adding Authentication Guards to Routes



Router Navigation Resolution Flow

Navigation Triggered

Call **beforeRouteLeave** inside component

Call global **beforeEach** guards

Call **beforeRouteUpdate** inside component

Call **beforeEnter** in route definition

Call **beforeRouteEnter** inside component

Call global **beforeResolve** guard

Call global **afterEach** hooks



Route Guards/Hooks



Before entering route



Before the route is resolved after all other checks have completed



Before navigating away from a route



After navigating to a route



Setting up Authentication Guards



A way to check if the user is authenticated or not



A way to check if the route requires authentication



A login page to redirect the user to if they are not logged in



Adding Component Deactivation Guards



Working with Before Resolve Hooks



Working with Per-Route & After Hooks



Summary



Navigation Lifecycle & Route Guards

- Authentication Guard
- Deactivation Guard
- Browser API permission Guard
- Navigation Metrics

