



# navigateTo

`navigateTo` is a router helper function that allows programmatically navigating users through your Nuxt application.

`navigateTo` is available on both server side and client side. It can be used within plugins, middleware or can be called directly to perform page navigation.

## Type

```
navigateTo(to: RouteLocationRaw | undefined | null, options?: NavigateToOptions) => Promise<void>

interface NavigateToOptions {
  replace?: boolean
  redirectCode?: number
  external?: boolean
  open?: OpenOptions
}
```

Make sure to always use `await` or `return` on result of `navigateTo` when calling it.

## Parameters

to

**Type:** `RouteLocationRaw` | `undefined` | `null`

**Default:** `'/'`

`to` can be a plain string or a route object to redirect to. When passed as `undefined` or `null`, it will default to `'/'`.

## options (optional)

**Type:** `NavigateToOptions`

An object accepting the following properties:

- `replace` (optional)

**Type:** `boolean`

**Default:** `false`

By default, `navigateTo` pushes the given route into the Vue Router's instance on the client side.

This behavior can be changed by setting `replace` to `true`, to indicate that given route should be replaced.

- `redirectCode` (optional)

**Type:** `number`

**Default:** `302`

`navigateTo` redirects to the given path and sets the redirect code to `302 Found` by default when the redirection takes place on the server side.

This default behavior can be modified by providing different `redirectCode`. Commonly, `301 Moved Permanently` can be used for permanent redirections.

- `external` (optional)

**Type:** `boolean`

**Default:** `false`

Allows navigating to an external URL when set to `true`. Otherwise, `navigateTo` will throw an error, as external navigation is not allowed by default.

- `open` (optional)

**Type:** `OpenOptions`

Allows navigating to the URL using the `open()` method of the window. This option is only applicable on the client side and will be ignored on the server side.

An object accepting the following properties:

- `target`

**Type:** `string`

**Default:** `'_blank'`

A string, without whitespace, specifying the name of the browsing context the resource is being loaded into.

- `windowFeatures` (optional)

**Type:** `OpenWindowFeatures`

An object accepting the following properties:

- `popup` (optional)

**Type:** `boolean`

- `width` or `innerWidth` (optional)

**Type:** `number`

- `height` or `innerHeight` (optional)

**Type:** `number`

- `left` or `screenX` (optional)

**Type:** `number`

- `top` or `screenY` (optional)

**Type:** `number`

- `noopener` (optional)

**Type:** `boolean`

- `noreferrer` (optional)

**Type:** `boolean`

Refer to the [documentation](#) for more detailed information on the **`windowFeatures`** properties.

## Examples

## Navigating Within a Vue Component

```
<script setup lang="ts">
// passing 'to' as a string
await navigateTo('/search')

// ... or as a route object
await navigateTo({ path: '/search' })
```

```
// ... or as a route object with query parameters
await navigateTo({
  path: '/search',
  query: {
    page: 1,
    sort: 'asc'
  }
})
</script>
```

## Navigating Within Route Middleware

```
export default defineNuxtRouteMiddleware((to, from) => {
  if (to.path !== '/search') {
    // setting the redirect code to '301 Moved Permanently'
    return navigateTo('/search', { redirectCode: 301 })
  }
})
```

 [Read more in Docs > Guide > Directory Structure > Middleware.](#)


## Navigating to an External URL

```
<script setup lang="ts">
// will throw an error;
// navigating to an external URL is not allowed by default
await navigateTo('https://nuxt.com')

// will redirect successfully with the 'external' parameter set to 'true'
await navigateTo('https://nuxt.com', {
  external: true
})
</script>
```

# Navigating using open()

```
<script setup lang="ts">
// will open 'https://nuxt.com' in a new tab
await navigateTo('https://nuxt.com', {
  open: {
    target: '_blank',
    windowFeatures: {
      width: 500,
      height: 500
    }
  }
})
</script>
```

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