

Documentation

Understanding the X-Redirect Routing Mechanism

Why X-Redirect URLs are Used

The x-redirect routing mechanism ensures a seamless and efficient user experience when switching languages within the API portal. The portal's pages often have different structures and paths across supported languages. To handle this complexity:

- The **x-redirect URL** acts as a temporary placeholder route during the transition between languages.
- It enables fetching the necessary content (referred to as **portal-docs**) for the selected language without breaking navigation or causing errors.
- It maintains the user's context, ensuring they are routed to the correct page in the newly selected language once the portal-docs are loaded.

This approach prevents page reloads and ensures the portal dynamically updates to reflect the user's language choice without disruption.

How X-Redirect URLs Work

1. Initial Language Switch

- When a user selects a new language, the URL temporarily changes to an x-redirect route.
- Example of an x-redirect URL:

Unset

```
https://www.example.com/java/#/x-redirect/$24e%2FAccounts%2FGetAccountInformation
```

- Breakdown of the structure:
 - `{base-url}/{selected Language}/#/x-redirect/{perma link of the previous page}`
 - The **permalink** is a unique identifier for the page the user was on before switching languages.

2. Fetching Portal-Docs

- An API call is triggered to fetch **portal-docs**, which are JSON objects containing all the information required to render the portal in the new language.
- These docs include details such as menu items, page content, and permalinks for each portal page.

3. Transforming the URL

- Once the portal-docs are received:
 - The portal reads the permalink from the x-redirect URL.
 - It dynamically resolves the permalink into the proper route for the selected language.
- The portal then navigates to the fully constructed URL.
 - Example of the final URL:

Unset

```
https://www.example.com/java/#/connectivity-management/api-endpoints/accounts/get-account-information/get-account-information
```

Routing Flow Summary

1. Current Page URL:

Unset

```
https://www.example.com/#/http/connectivity-management/api-endpoints/accounts/get-account-information/get-account-information
```

2. Temporary X-Redirect URL (after language switch):

Unset

```
https://www.example.com/java/#/x-redirect/$24e%2FAccounts%2FGetAccountInformation
```

3. Final URL (after portal-docs are loaded):

Unset

```
https://www.example.com/java/#/connectivity-management/api-endpoints/accounts/get-account-information/get-account-information
```

Additional Information:

- The x-redirect mechanism is integral to the portal's architecture to manage complex routing scenarios, especially in a multilingual environment.
- Each page is identified by a **permalink**, which is language-agnostic and ensures continuity during navigation.
- The **portal-docs** serve as the backbone for dynamically generating URLs and rendering content in the user's chosen language.

