**Introduction**

This documentation provides a detailed guide on how to integrate and use the cookie management modal in your React projects. This feature allows users to manage cookie preferences dynamically via a configuration file and offers customizable cookie categories and descriptions.

**Features**

* Fully customizable cookie categories (necessary, analytics, marketing, etc.)
* Cookie preferences are saved to Cookies and persist across page reloads.
* A modern **Cookie Banner** and a **Privacy Policy Modal**.
* A widget icon appears for reopening settings after banner dismissal.
* Multi-language support using i18n.
* Configurable via a cookieCategories.tsx file.
* **Optional GTM Integration** based on environment variables.

**Environment Variables**

To configure the project for cookie management and optional GTM integration, you need to set the following environment variables in your .env file:

**.env Parameters**

* **VITE\_GTM\_ENABLED**: Enables or disables GTM usage.
  + true: GTM script will be added to the project.
  + false: GTM script will not be added.
* **VITE\_GTM\_ID**: Specifies the GTM container ID (e.g., GTM-XXXXXXX).
* **VITE\_PRIVACY\_POLICY\_ENABLED**: Enables or disables the Privacy Policy and Cookie Management Modal.
  + true: will be shown.
  + false: will be hidden.

**Example .env Configuration**

VITE\_GTM\_ENABLED=true

VITE\_GTM\_ID=GTM-XXXXXXX

VITE\_PRIVACY\_POLICY\_ENABLED=true

**Configuration File Structure**

Create a configuration file at src/config/cookieCategories.tsx with the following structure:

* title: The title for the cookie category.
* descriptionKey: The translation key used to display the description.
* cookies: An array containing individual cookie details (name and description).
* defaultValue: Specifies whether the category is enabled by default.
* readOnly: Prevents the user from changing the preference if true.

**Example Configuration File:**

{

"necessary": {

"title": "Necessary Cookies",

"descriptionKey": "cookieCategories.necessary.description",

"cookies": [

{ "name": "session\_id", "descriptionKey": "cookieDescriptions.session\_id" }

],

"defaultValue": true,

"readOnly": true

},

"analytics": {

"title": "Analytics Cookies",

"descriptionKey": "cookieCategories.analytics.description",

"cookies": [

{ "name": "\_ga", "descriptionKey": "cookieDescriptions.\_ga" },

{ "name": "\_gid", "descriptionKey": "cookieDescriptions.\_gid" }

],

"defaultValue": false,

"readOnly": false

}

}

**How to Use Environment Variables**

1. **Enabling/Disabling GTM**:
   * Set VITE\_GTM\_ENABLED to true to enable GTM or false to disable it.
   * If GTM is enabled, you must provide a valid GTM container ID using VITE\_GTM\_ID.
2. **Enabling/Disabling Privacy Policy Modal**:
   * Use VITE\_PRIVACY\_POLICY\_ENABLED to enable or disable the display of the privacy policy modal.

**GTM Configuration Instructions**

**Steps to Configure GTM (Google Tag Manager):**

1. **Create a GTM Container:**
   * Log in to your [Google Tag Manager](https://tagmanager.google.com/) account.
   * Create a new container or use an existing one.
   * Copy the GTM container ID (e.g., GTM-XXXXXXX).
2. **Add Tags for Cookie Categories:**
   * Create custom events for each cookie category (e.g., analytics\_consent, marketing\_consent).
   * Add a trigger for each event type to capture user consent updates.
3. **Tag Implementation:**
   * Add variables and tags to track cookie preferences.
   * Ensure your GTM setup aligns with your configuration file (e.g., mapping event names).

**Example trigger script:**<script>

(function () {

setTimeout(function () {

window.postMessage({

event: "cookie\_categories\_sent",

categories: {

necessary: {

title: "Necessary",

descriptionKey: "cookies.necessary.description",

cookies: [

{ name: "XSRF-TOKEN", descriptionKey: "cookies.necessary.XSRF-TOKEN" },

{ name: "session\_id", descriptionKey: "cookies.necessary.session\_id" },

{ name: "remember\_me", descriptionKey: "cookies.necessary.remember\_me" }

],

defaultValue: true,

readOnly: true

},

analytics: {

title:"Analytics",

…

, "\*");

console.log("cookie\_categories\_sent message sent via postMessage");

}, 2000);

})();

</script>

**Important Notes:**

* If VITE\_GTM\_ENABLED is false, GTM scripts will not be injected.
* If GTM is disabled, the system will still function using the configuration file.