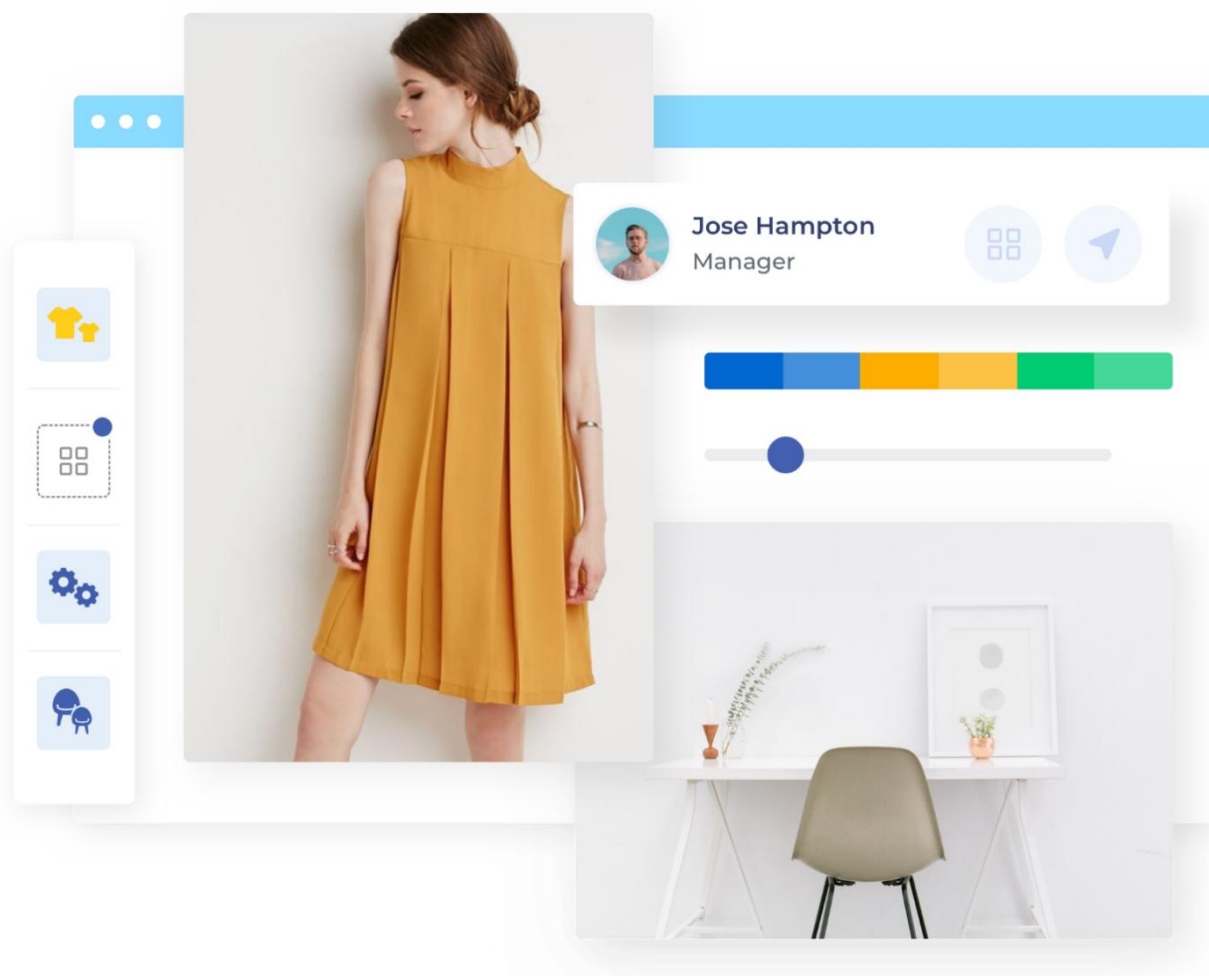




WHITE PAPER

COOKIES CONTROL ON PORTALS

This document contains information about the handling cookies in TRIMIT Portals for Business Central BC16.5

Date: 07-05-2020

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INTRODUCTION

This document describes the principles of cookie setup and management in TRIMIT Portals for Business Central BC16.5. B2C webshop only.

The pictures in this White Paper are based on the demo database for **TRIMIT Business Central W1 BC16.5**, which is based on Microsoft Dynamics 365 Business Central on premises 2020 release (April release), in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

COOKIE CONSENT WINDOW ON PORTAL

Here is a default cookie consent window

These are your cookie settings for this website.

▼

Necessary

Necessary cookies help make a website usable by enabling basic functions like page navigation and access to secure areas of the website. The website cannot function properly without these cookies.

▼

Statistics

Statistic cookies help website owners to understand how visitors interact with websites by collecting and reporting information anonymously.

Reject All

Accept Selected

Accept All

NOTE: even after clicking **Reject All** – the cookies under category *Necessary* will still be allowed.

The cookie consent window appears the first when time user visits TRIMIT B2C webshop. The cookies are stored in a browser for different period of time.

Cookies in use

Allowed

Blocked

The following cookies were set when you viewed this page

▼

Cookies

cookieconsent

ses

ucgid

▶

Local storage

Path

/

Send for

Any kind of connection

Created

Friday, 29 May 2020 at 13:31:07

Expires

Saturday, 29 May 2021 at 13:33:09

Block

Remove

Done

Each cookie category on the cookie consent window can be expanded and collapsed.

Tell us whether you accept cookies

We would like to use our own cookies to understand how you use our site and to improve your experience. This includes personalizing content.

You can withdraw your consent to the use of cookies on our website at any time. Please see our [cookie policy](#) for further details.

☒ Necessary

Necessary cookies help make a website usable by enabling basic functions like page navigation and access to secure areas of the website. The website cannot function properly without these cookies.

Provider: TRIMIT

Name: cookieconsent

Purpose: Stores information about your accept of our cookie policy (so you will not be asked again).

Duration: 1 year

☐ Statistics

Statistic cookies help website owners to understand how visitors interact with websites by collecting and reporting information anonymously.

When expanded, it is possible to see what each cookie is used for in the specific category. Each cookie has the following properties:

NAME

The name of the cookie

PURPOSE

The purpose of the cookie

DURATION

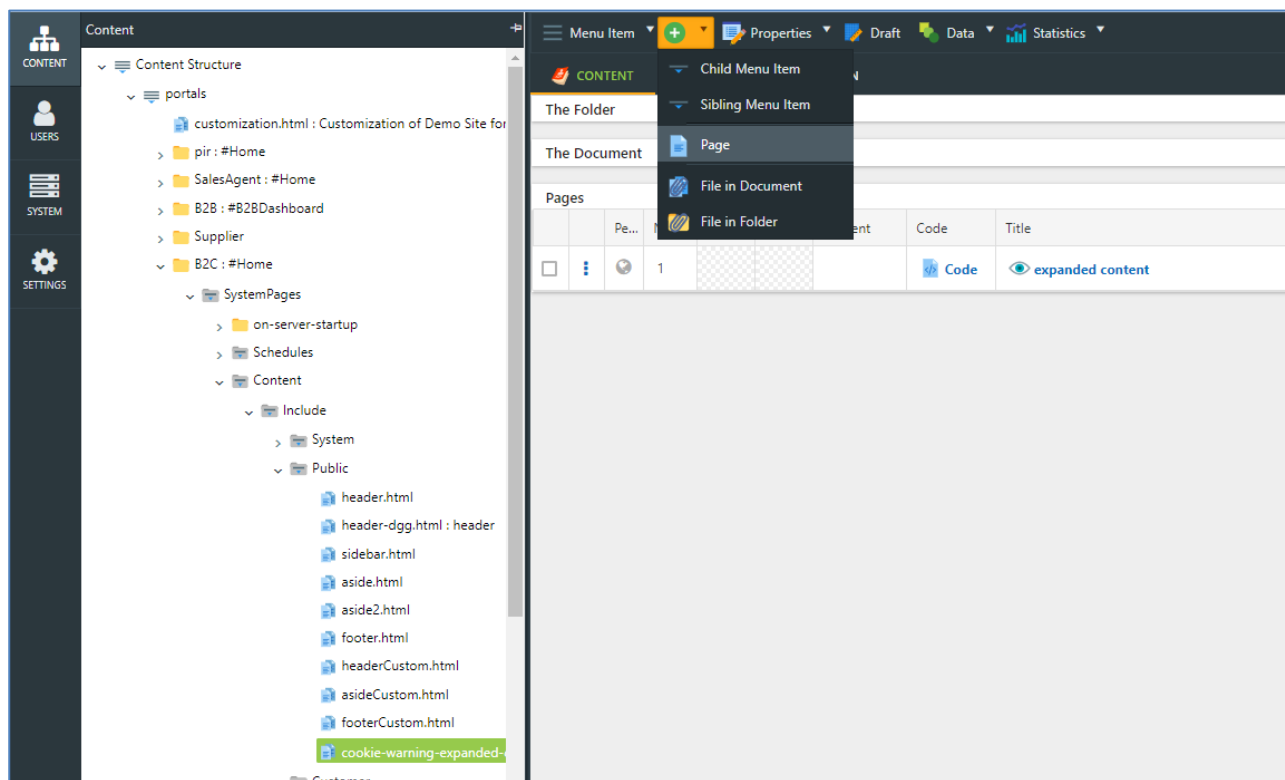
The time cookie is saved for.

These properties should be filled in manually and translated to each activated language on Modelyn. Translation should be done by creating a new page per language.

NOTE: *there is no user consent on PIR and it is understood that by using the PIR, the user automatically consents to any cookies, tracking, marketing or otherwise, as it is an Admin portal where e.g. we need this for fonts etc. All cookies used and thus deemed as necessary.*

COOKIE CONSENT TRANSLATION

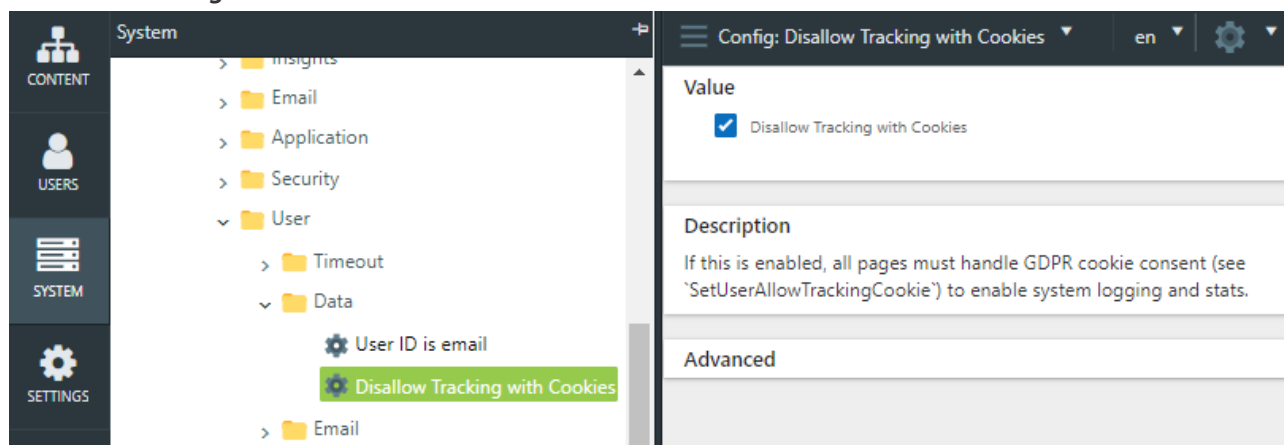
In order to create a consent text (only the text in expanded cookie category area) in another language, it is required to activate the needed language in Modelyn and then create a new page for this language under **Content/Content Structure/B2C/SystemPages/Content/Include/Public/cookie-warning-expanded-content.html**. The page code can be copied directly from the existing page.



The visible text (not expanded) on consent window can be translated with help of macro file.

MODELYN COOKIE CONTROL

Enabling cookie consent can be done in Modelyn under **System > Setup > Config > User > Data > Cookies Disallow Tracking**.



Depending on if set to TRUE or FALSE the cookie warning window will be shown or not shown on portals page. This setting will also be reflected in B2C soft admin on the page **Cookie Warning Setup**:

Tracking and Cookies

To change this, please go here: System > Setup > Config > User > Data > Cookies

Disallow Tracking

Tracking and cookies are active for

- Users in non-GDPR countries
- Users in GDPR countries who accept cookie warning

Use GDPR warning

If Cloudflare is used for the TRIMIT B2C webshop, then only users from GDPR countries will see the cookie warning. The country check is made in portals view file. If Cloudflare is not used, then everybody will get the warning, if **Disallow Tracking with Cookies** is **TRUE**.

The content of the cookie consent setup is done in B2C soft admin under sections **Cookie Warning Setup** and **Categorize Cookies**.

COOKIE WARNING SETUP

Cookie Warning Setup

Tracking and Cookies

To change this, please go here: [System > Setup > Config > User > Data > Cookies Disallow Tracking](#)

Tracking and cookies are active for

- Users in non-GDPR countries
- Users in GDPR countries who accept cookie warning

Use GDPR warning

Flag Order (0,1,2,4,8,16):

If you change a cookie category name it is for this language: en

Flag	Category	Active?	Hide Checkbox?
0	Necessary	☒	☒
1	Statistics	☒	☐
2	Marketing	☐	☐
4	nothing	☐	☐
8	nothing	☐	☐
16	nothing	☐	☐

[Link to expanded cookie content](#)

There are four columns in the form on this page: **Flag**, **Category**, **Active** and **Hide Checkbox**.

FLAG

The number starting from 0 and up to 255. Each next flag number must be multiplied by 2 (i.e. 0,1,2,4,8,16). The input field **Flag Order** is used for filtering, sorting and adding new flags. To filter – type flag number (or several comma-separated numbers) in this field and click away. To sort - type comma-separated flag numbers in a desired order and click away. To add new flags – type new flag number (e.g. 16, 32, 64, 128 etc.) and click away to save.

CATEGORY

Name of the category for the cookie. Can be modified only when **Active** is set to **TRUE** and saved. Category names are saved in the macro file and additional translations can be added there.

ACTIVE

A Boolean field. When set to **TRUE** then corresponding category is shown in cookie consent window.

HIDE CHECKBOX

If set to *TRUE*, then enable/disable checkbox for corresponding category is not shown on the cookie consent window. Normally, it is set to *TRUE* for the category *Necessary*.

All changes are saved after clicking **Save**.

Default cookie consent setup:

Flag	Category	Description
0	<i>Necessary</i>	Is deny, and only strictly necessary cookies are set
1	<i>Statistics</i>	Is Modelyn system log and statistics
2	<i>Marketing</i>	The flag is predefined for marketing.
255		Is allow all cookies

NOTE: Statistics and marketing are predefined as flag 1 and 2 respectively. TRIMIT statistics belong to flag 1 by default and cannot be changed.

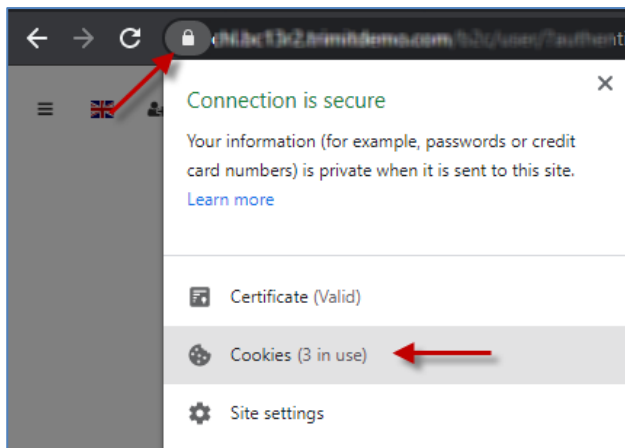
If statistics and marketing are assigned other flags, then a couple of variables need to be updated:

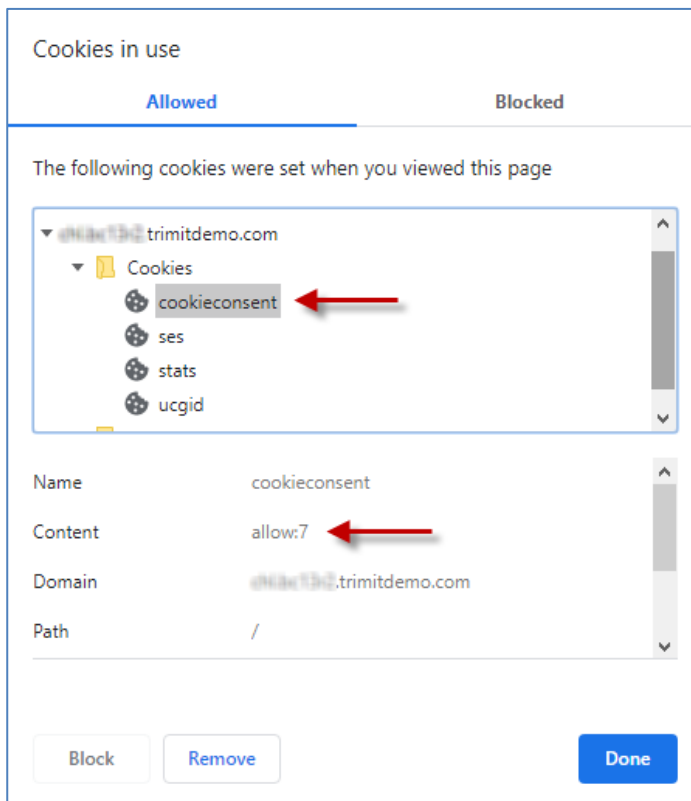
- isStatisticsCookieAllowed
- isMarketingCookieAllowed

These variables are used in the viewfile and in some B2C pages.

EXAMPLE OF COOKIE FLAGS IN USE

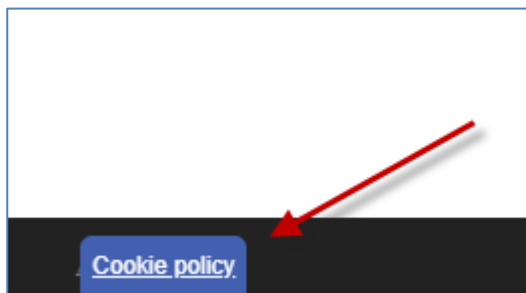
Example of cookies consent in Chrome:





("allow7" comes from summing up flag numbers on Cookie Warning Setup page: $0+1+2+4 = 7$)

To show the cookie consent window again – click on the little cookie flag in the lower left corner on the B2C webshop page.



CATEGORIZE COOKIES

Categorize Cookies

System Cookies

Cookie: cookieconsent	Flag: 0
Cookie: ses	Flag: 0
Cookie: ucgid	Flag: 0
Cookie: plt	Flag: 1
Cookie: stats	Flag: 1
Cookie: bid	Flag: 1

Additional Cookies

Cookie: NID	Flag: 2	✕
Cookie:	Flag:	

On **Categorize cookies** soft admin page on B2C webshop it is possible to assign cookies to specific cookies categories (flags).

The page contains **System** and **Additional** cookies. **System** cookies are used by Modelyn and cannot be changed. **Additional** cookies can be modified.

The systems like Google, Facebook and others use predefined cookie names. These names should be used on **Categorize Cookies** soft admin page in section **Additional Cookies**. Here put a cookie name and assign it to a category (flag):

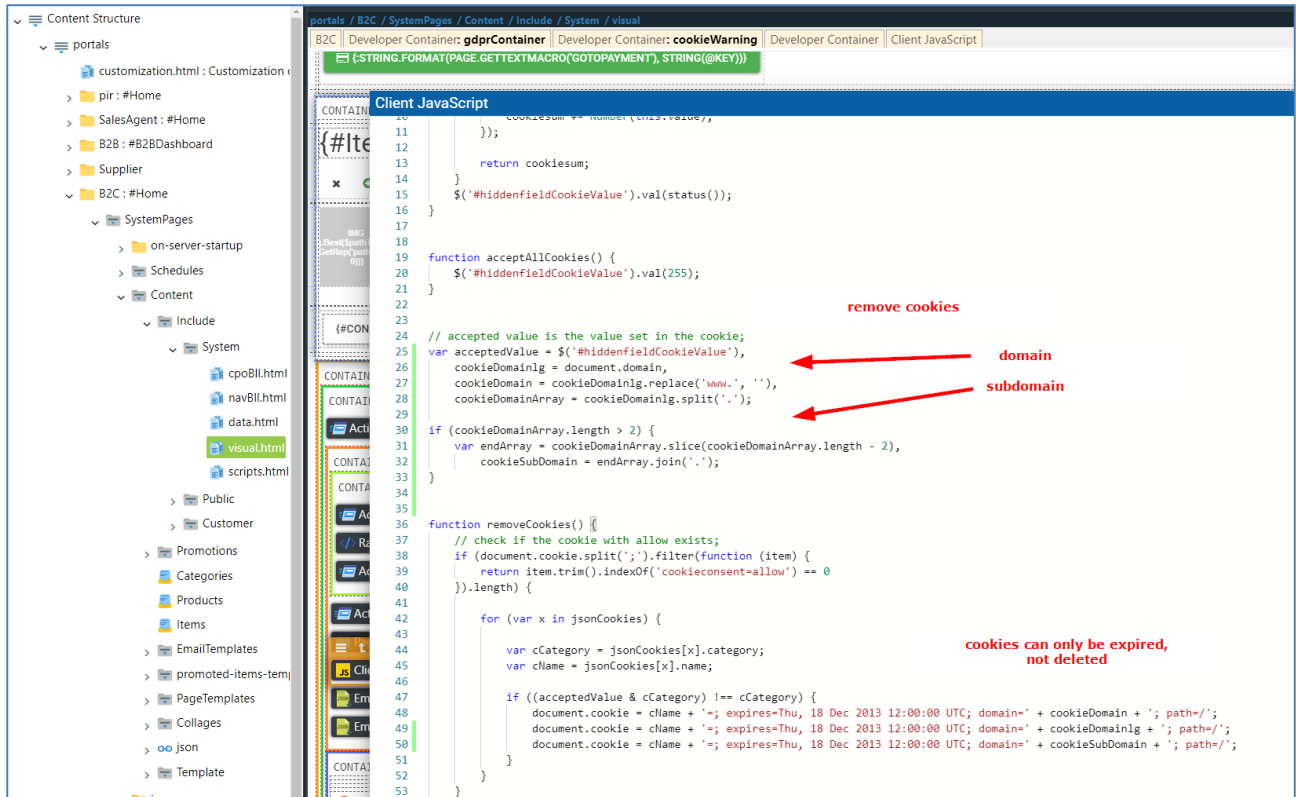
Additional Cookies

Cookie: test	Flag: 4	✕
Cookie: more	Flag: 4	✕
Cookie:	Flag:	

NOTE: to collect and categorize all the website cookies – a cookie bot can be used. Then these cookies should be described in the cookie consent expanded content.

REMOVE COOKIES

If a customer changes the cookie permissions from for instance 7 to 3, a script will attempt expire the cookies which are no longer allowed. Handling cookie removal in Modelyn:



LOGO ON COOKIE CONSENT WINDOW

The logo used on cookie consent window is the same as used for the B2C webshop. See **General** page in the B2C soft admin. Any changes to the name in soft admin, should also make the logo change on the warning.

COOKIE AND RECAPTCHA

If reCAPTCHA and cookie consent are enabled on portal, but all cookies have been rejected then reCAPTCHA will still set a cookie (NID, which is used for Google preferences and advertising) on the register page.

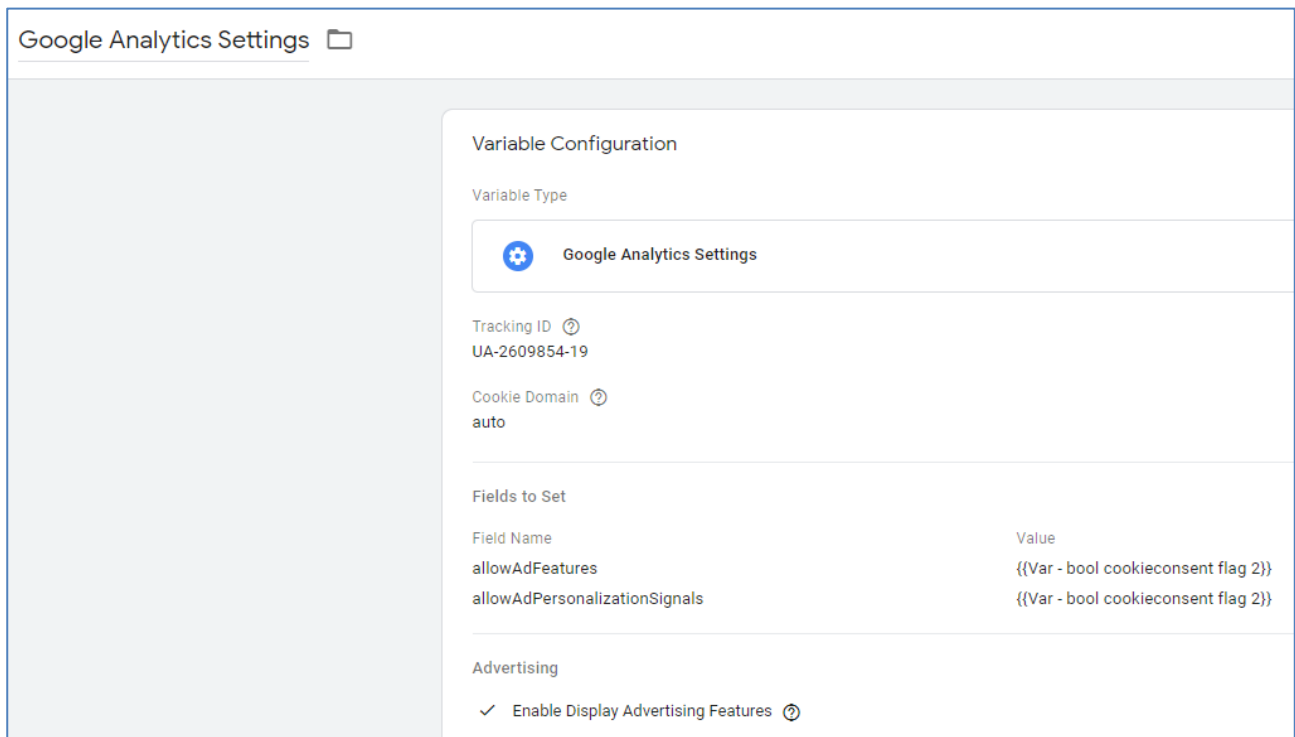
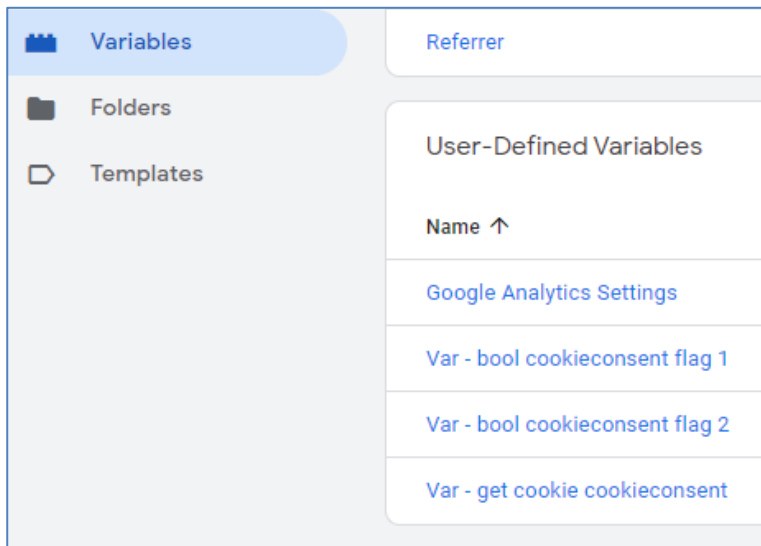
NOTE: in the current setup, reCAPTCHA is added to the page when the cookie 'cookieconsent' is set. This is true even if the user selects to reject all non-necessary cookies. The condition on the reCAPTCHA control should be modified in case the B2C owner will not allow reCAPTCHA unless for instance marketing cookies are allowed.

Should a user try to remove the cookie window in order to submit the form without any cookies, the post action will cause a server error. This is to prevent users from posting without having the security layer active.

GOOGLE TAG MANAGER

GOOGLE TAG MANAGER – VARIABLES

Here is example of variable setup.



Var - get cookie cookieconsent

Variable Configuration

Variable Type

1st Party Cookie

Cookie Name

cookieconsent

References to this Variable

Var - bool cookieconsent flag 1
Variable

Var - bool cookieconsent flag 2
Variable

Var - bool cookieconsent flag 1

Variable Configuration

Variable Type

Custom JavaScript

Custom JavaScript

```

1 function() {
2   var cookie = {{Var - get cookie cookieconsent}} ;
3
4   if ((Number.parseInt(cookie.substring(cookie.indexOf(':') + 1)) & 1) === 1) {
5     return true
6   } else {
7     return false
8   }
9
10 }

```

GOOGLE TAG MANAGER – TAGS

Example of tags setup.

CURRENT WORKSPACE		
Default Workspace >		
Search Overview Tags		
Tags		
Name ↑	Type	Firing Triggers
Disable GA until consent is given	Custom HTML	 All Pages
Google Analytics - Page View	Google Analytics: Universal Analytics	 All Pages

Disable GA until consent is given

Tag Configuration

Tag Type

<> Custom HTML
Custom HTML Tag

HTML ⓘ

```

1 <script>
2 function optionCheck(){
3     window['ga-disable-UA-2609854-19'] = ( {{Var - bool cookieconsent flag 1}} !== true );
4 }
5
6 optionCheck()
7
8 </script>

```

Triggering

Firing Triggers

 All Pages
Page View

Your tag will also fire right before these tags

 Google Analytics - Page View

Google Analytics - Page View

Tag Configuration

Tag Type

 **Google Analytics: Universal Analytics**
Google Marketing Platform

Track Type

Page View

Google Analytics Settings ?

{{Google Analytics Settings}}

☐ Enable overriding settings in this tag ?

Advanced Settings

Tag firing priority ?

☐ Enable custom tag firing schedule

☐ Only fire this tag in published containers. ?

Tag firing options

Once per event

Tag Sequencing ?

☒ Fire a tag before **Google Analytics - Page View** fires

Setup Tag

Disable GA until consent is given >

☒ Don't fire **Google Analytics - Page View** if **Disable GA until consent is given** fails or is paused

☐ Fire a tag after **Google Analytics - Page View** fires

> Additional Tag Metadata ?

Triggering

Firing Triggers

 **All Pages**
Page View

ADDITIONAL READING

1. Portals documentation regarding fonts and GDPR (available from version jun23):
<mailto:<you domain>/custom/docs/documentation/fonts.md>