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Customization Guide - SAP C/4hana

## Version

This article was created by SAP CDC Former(Gigya) 5.7.x Version

## Brief Description

The objective of this document is to give a brief of how to validate data into SAP CDC Screen-Sets using REGEX.

I hope you enjoy it!!

## Author

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Experienced integrator of SAP on Premise Solutions (S4Hana CRM) and SAP C4Hana (Sales, Services, Marketing, Qualtrics, SAP CDC Former(Gigya) ), using SAP Cloud Platform to integrate S4hana process.

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# Article - Blog Módulo CRM Web Site

## Content

1. Customization .....	3
1.1. Description .....	3
1.2. Create a new Field into Site's Schema .....	3
1.3. Adding the new field into the Registration Screen-Set .....	5
1.4. Testing field without any validation .....	6
1.5. Using REGEX during into the Schema .....	7
1.6. Testing the REGEX Validation .....	8

## 1. Customization

### 1.1. Description

A regular expression is a pattern that the regular expression engine attempts to match in input text. This document will explain how to introduce REGEX using SAP CDC / Gigya during the input fields values during the CDC Flows (Registration) and using Query Tool.

For further information, please check this link out: <https://docs.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-language-quick-reference?redirectedfrom=MSDN>

For test the regex before configuring into SAP CDC : <https://regex101.com/>

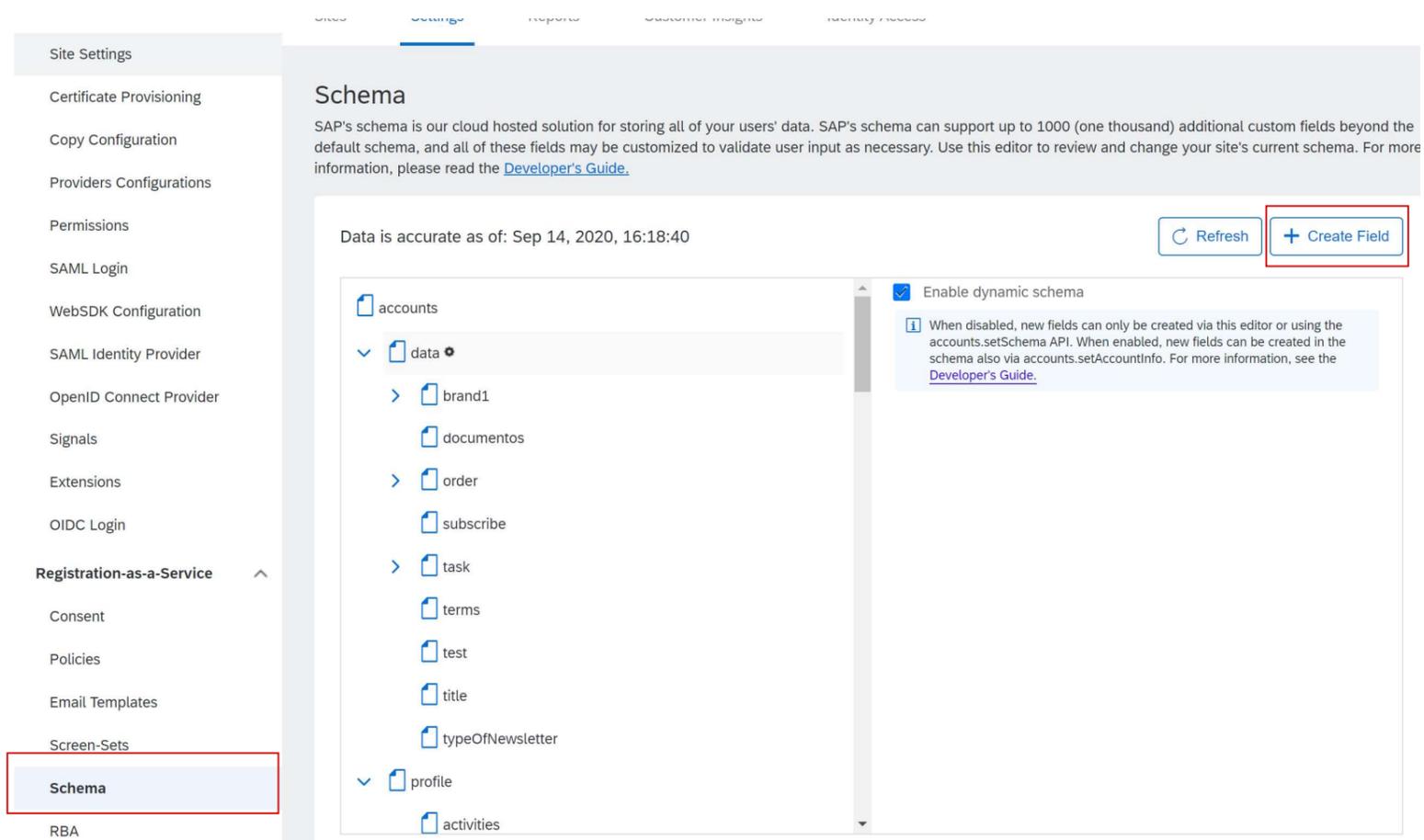
Examples

- \w Matches any word character
- \W Matches any non-word character
- \d Matches any decimal digit
- \A The match must occur at the start of the string

**Important: The objective of this document will not be a reference to REGEX, however, indicate how to introduce the REGEX into SAP CDC.**

### 1.2. Create a new Field into Site's Schema

First, I will create a new field into Site's schema. Inside of SAP CDC's site, I will click into Schema, then I will click in the button "Create Field"



Then, a window appears to define the new field's properties.

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I will create the field "CampoREGEX" to demonstrate the REGEX scenario. Then click the button "Create"

Create Field

Database  
Accounts

Type  
Data Field

Field Name \*  
data.campoREGEX

Cancel Create

Click the button "Save Changes" and the field "campoREGEX" will be created.

Data is accurate as of: Sep 14, 2020, 16:18:40

Refresh Create Field

accounts

- data\*
  - brand1
  - campoREGEX\*
  - documentos
  - order
  - subscribe
  - task
  - terms
  - test
  - title
  - typeOfNewsletter
- profile

Name \*  
data.campoREGEX

Type  
string

Encrypted

Validation (regex)  
E. g. ^(regex)\*\$

Write Access  
clientCreate

Required  
 Nullable

Remove Data Field

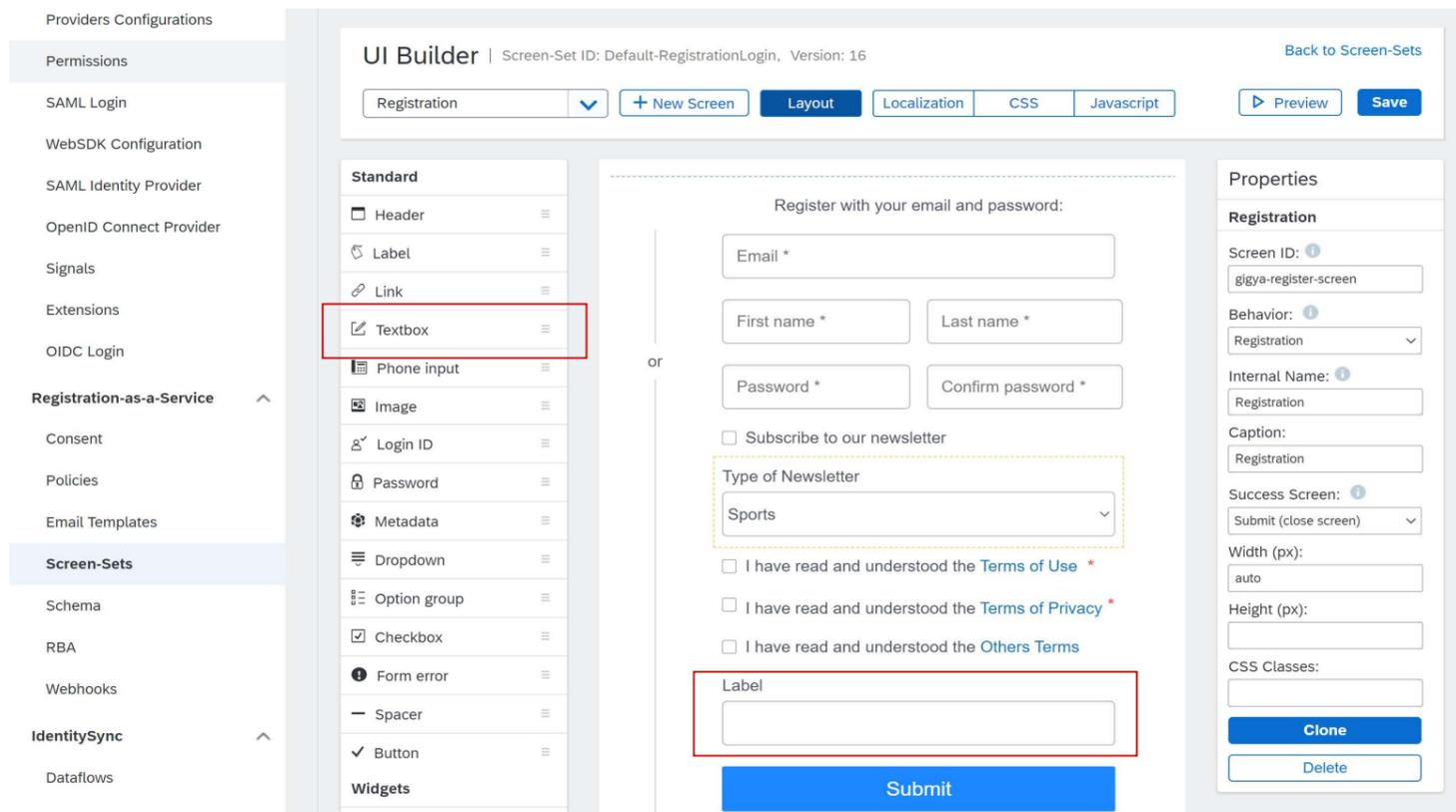
Discard Changes Save Changes

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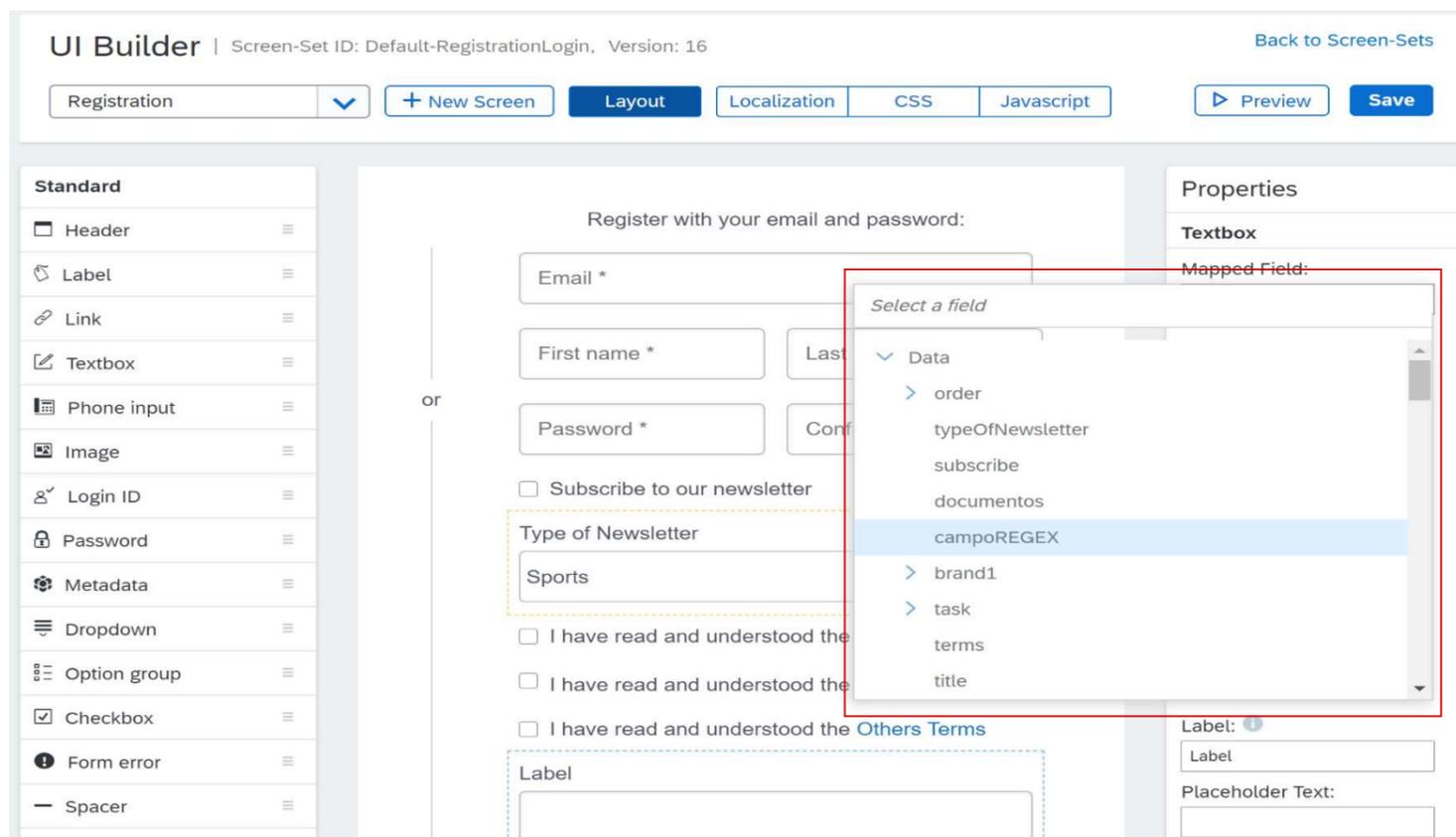
## 1.3. Adding the new field into the Registration Screen-Set

Now, I will take our field and insert into the Registration Screen-Set.

Open the screen-set "Default-RegistrationLogin", and the screen "Registration"

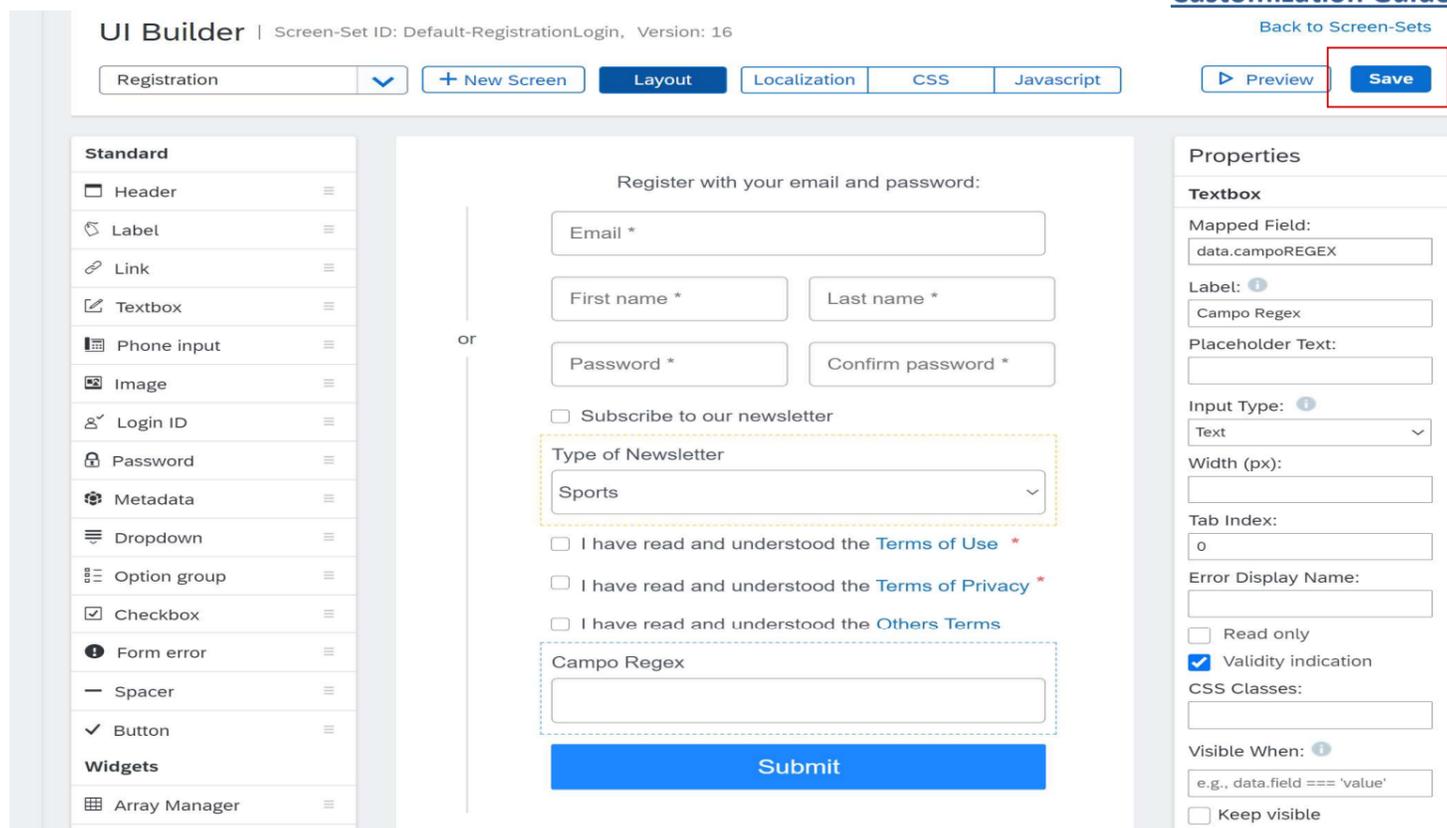


Then, I will select the text component, then I will map the schema field "campoREGEX"



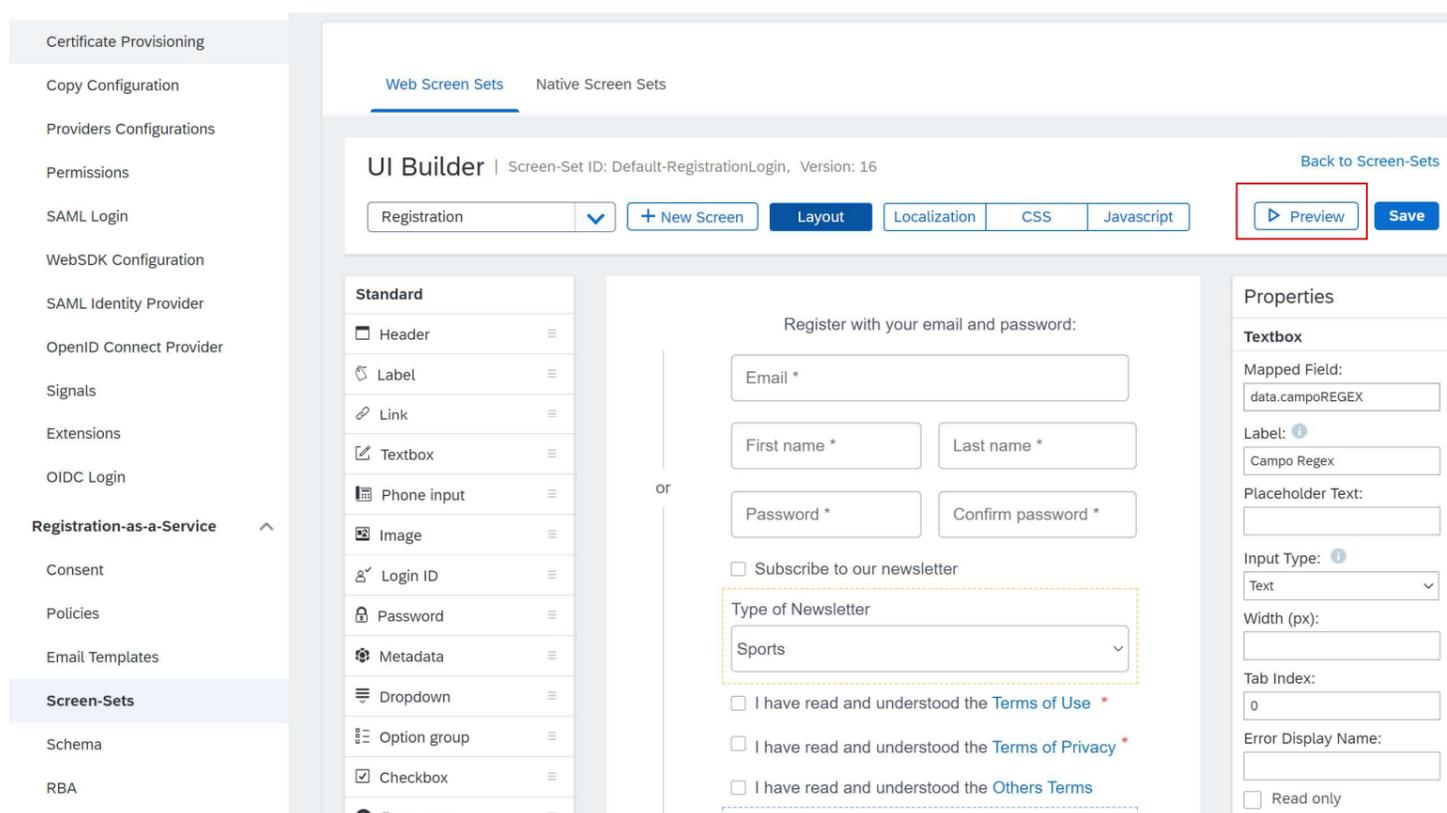
Save the screen and the field belongs to the Registration Screen

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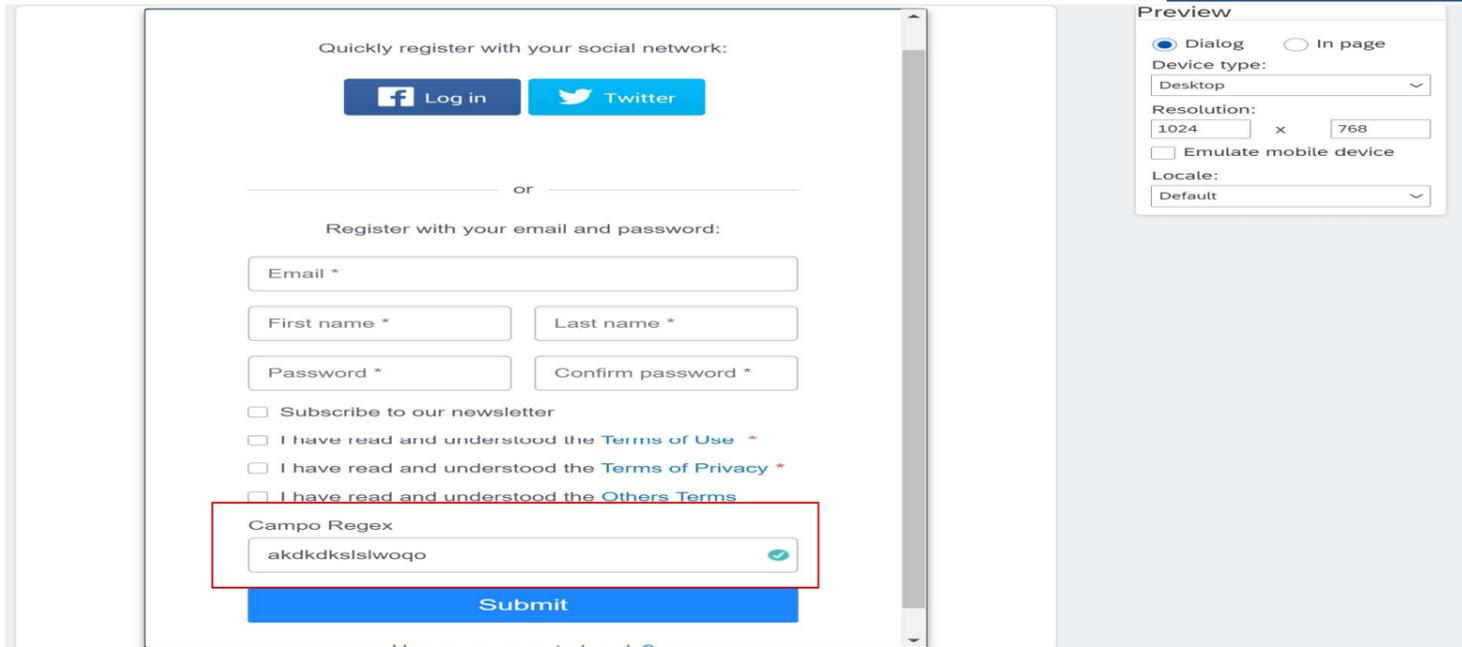
## 1.4. Testing field without any validation

Now I will certificate if the new field is visible into the Registration Screen. Click the button "Preview" to view the Registration Screen.



Perfect, I can see the field using the Screen Preview. All right !! However, the field accept any value.

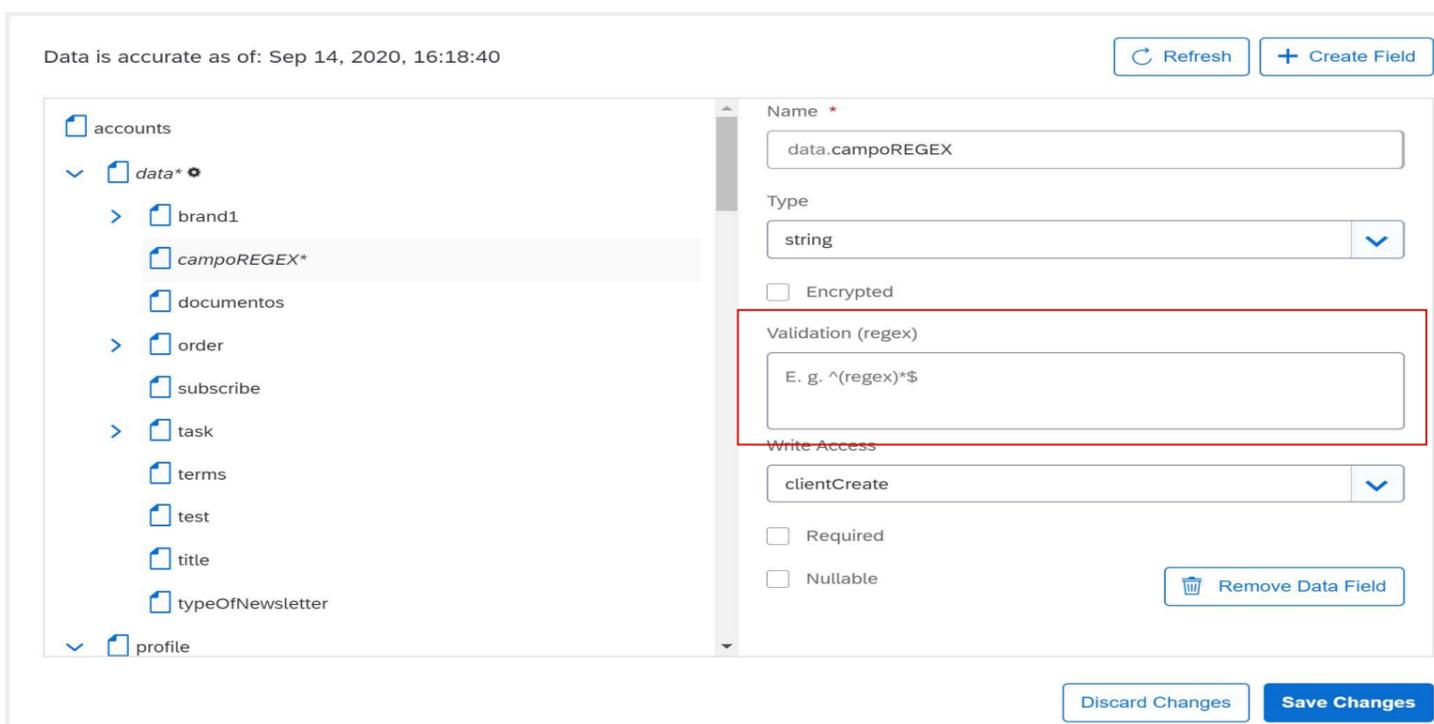
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## 1.5. Using REGEX during into the Schema

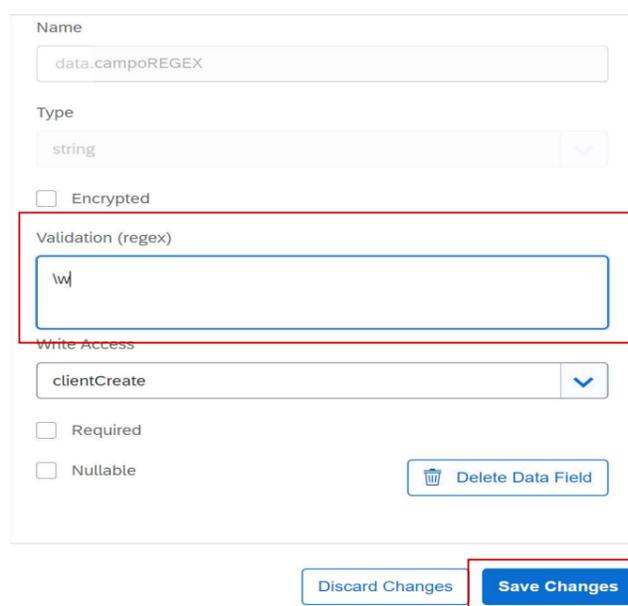
Now, let us configure the new field with the REGEX functionality. I would like to remember you that document is not a REGEX reference, it has the proposal to show to you how to implement that functionality without programming into the SAP CDC Screen-set.

Check the field "Validation" below. That is the field which can define your value check.



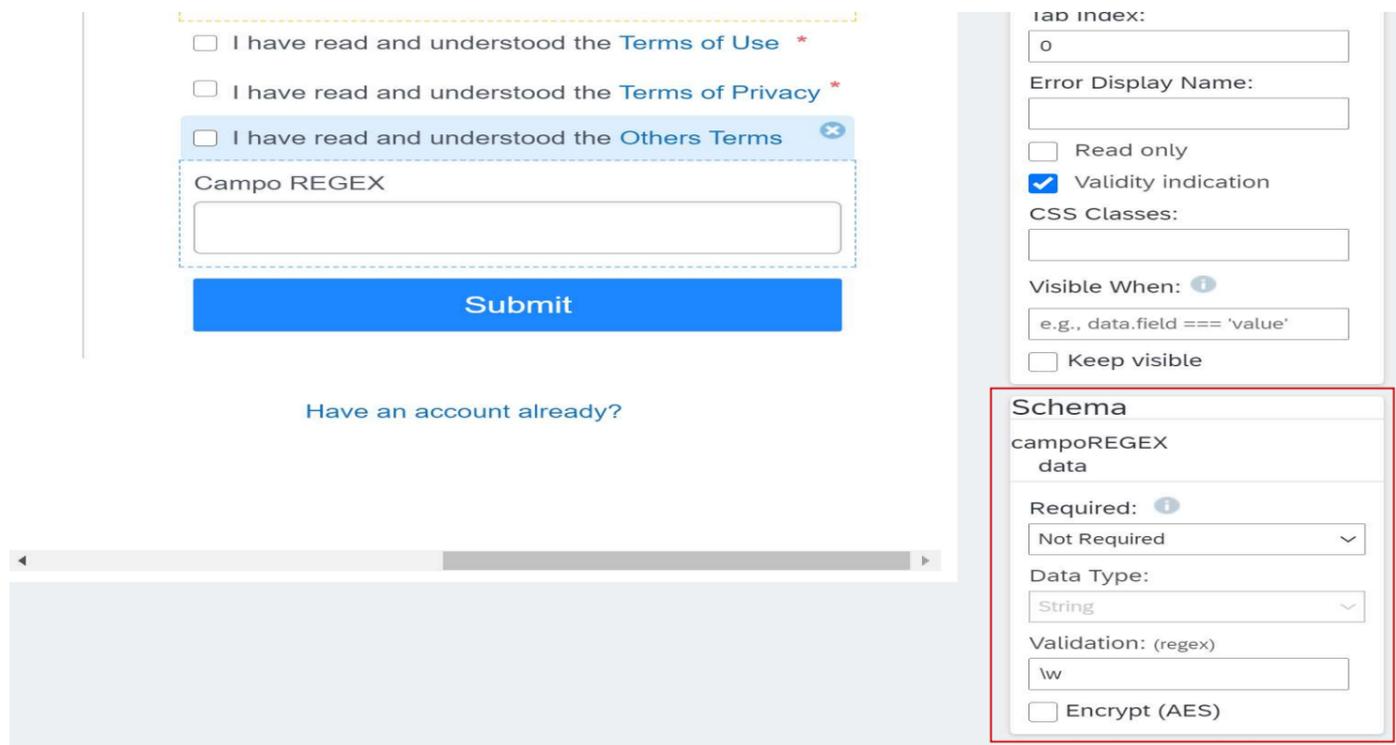
I will put a simple REGEX only to demonstrate how to do it. I will define the REGEX "w". That is indicate to the system that field NOT allowed special characters. Don't forget to save your change.

- \w Matches any word character



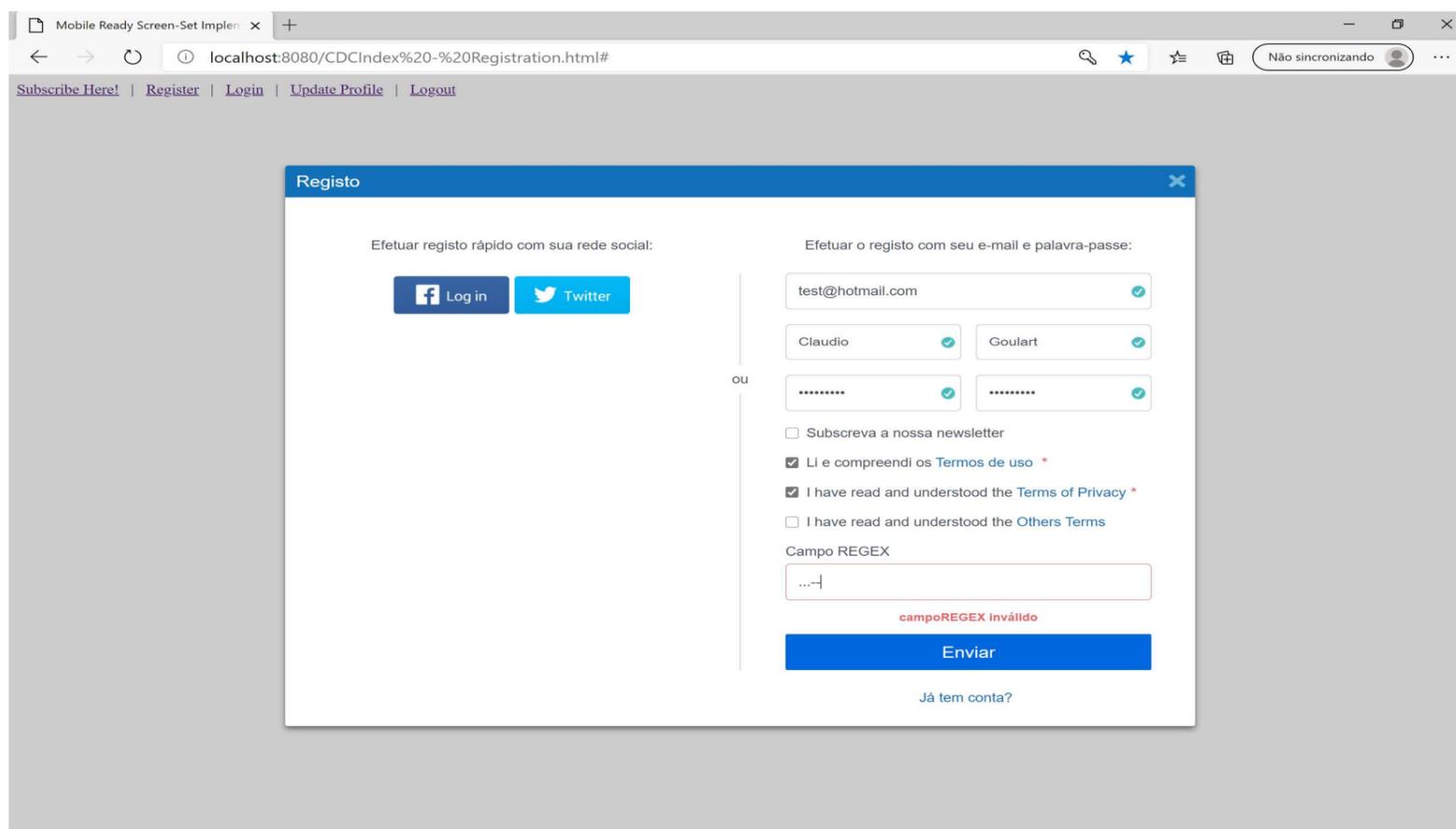
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The validation into the Schema, will be appear into the Screen-Set tool



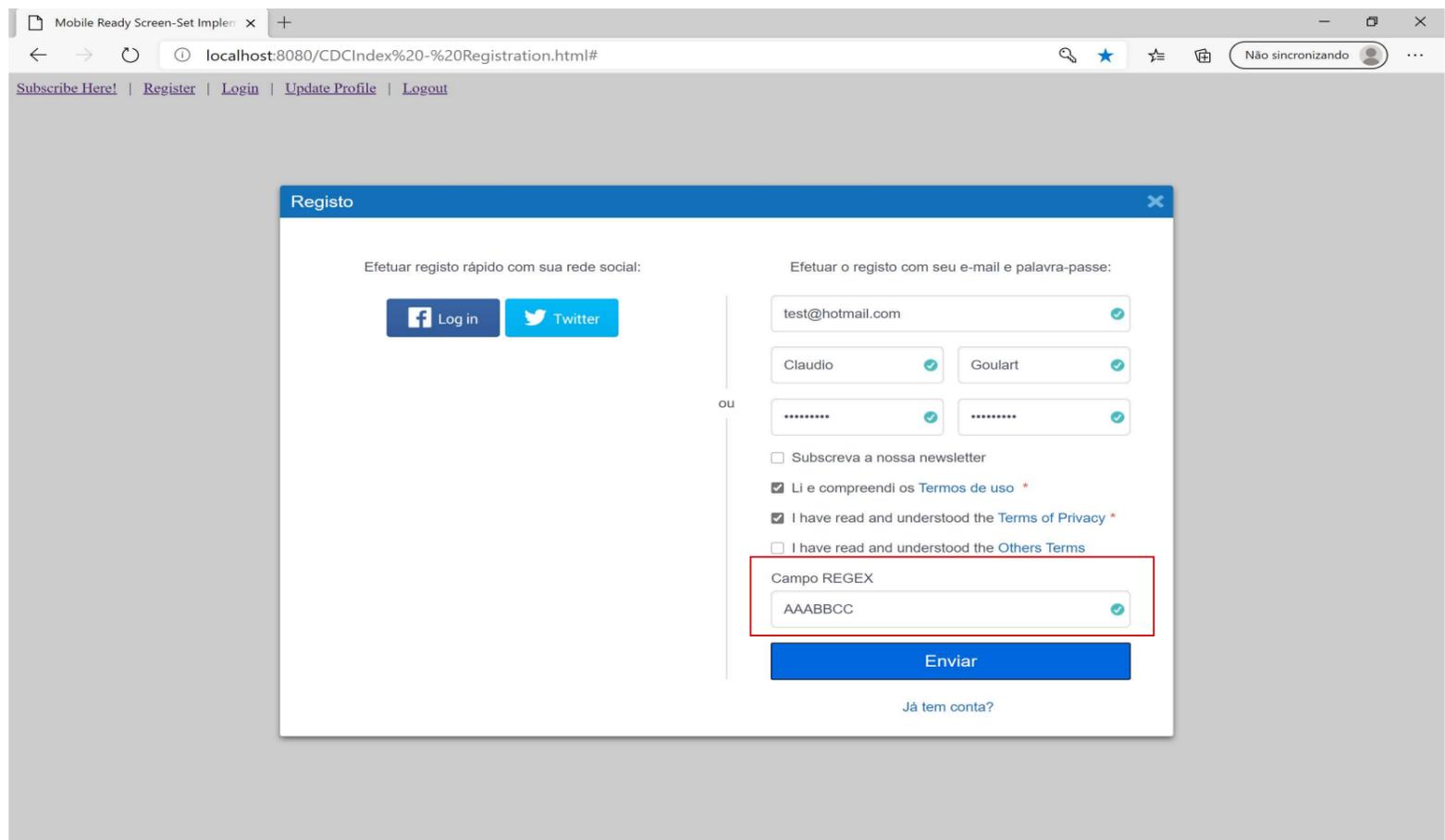
## 1.6. Testing the REGEX Validation

Testing our validation, I typed special characters like "--...". During the User's registration, the system will not allow me to send this user to be registered.



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Well, now I will type only letters. Then the system will permit to register my user.



The REGEX functionality it is a pretty interesting and powerful functionality, checking if your user data input is valid.

I hope you enjoy it!