

EU VAT Check

Admin and User guide.



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1 Introduction

EU Vat Check is a **Lightning Web Component** that enables:

a Salesforce user,

- to see if the format of a European Vat number is correct for that specific EU Country.
- to check if that VAT number is actually valid and what address is associated with that Vat Number.

a Salesforce Admin,

- to drag it (the component) to any record lightning page and specify any text field as a field that holds the VAT Number of an organization/account represented by the Salesforce record. Usually this will be the Account object, but it can also be used for the Lead, Opportunity or **any custom object**.

When the component is activated and added to a page, the Salesforce end user can see if the VAT Number entered in the specified field holds a valid VAT Number. The component does actually 2 checks:

1. The EU Service (info can be found here: https://ec.europa.eu/taxation_customs/vies/) is called to check if the VAT number is registered in the EU databases as being valid:

EU VAT Check: BE0429.037.235

Resulting Check on VAT FORMAT ✓
VAT Format Valid: true

VAT Result ✓
Name: NV RealDolmen
Address: A. Vaucampsiaan 42 1654 Beersel
VAT Valid: true
RequestDate: 2020-04-18+02:00

2. Since this Service is a free and public service it does not always respond in a timely manner. At certain times this service might even be overloaded returning an error message. Therefore the component also checks if the VAT Number has the **correct format** according to the member state country (BE, FR, NL, etc...). No external service is required to check the format of the VAT Numbers as specified in:

https://ec.europa.eu/taxation_customs/vies/faqvies.do#item_11

EU VAT Check: GB000000000 Resulting Check on VAT FORMAT ✓ VAT Format Valid: true Failed to check VAT Number ⚠ The VIES VAT service is unavailable, please try again later.	EU VAT Check: GB9999999 Resulting Check on VAT FORMAT ✗ VAT Format Valid: false UK VAT Number should have 9 to 12 numbers or 2 alphanumeric characters with 3 numbers. Failed to check VAT Number ⚠ The VIES VAT service is unavailable, please try again later.
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2 Adding the component to your page of choice

2.1 Go to the Lightning App Builder

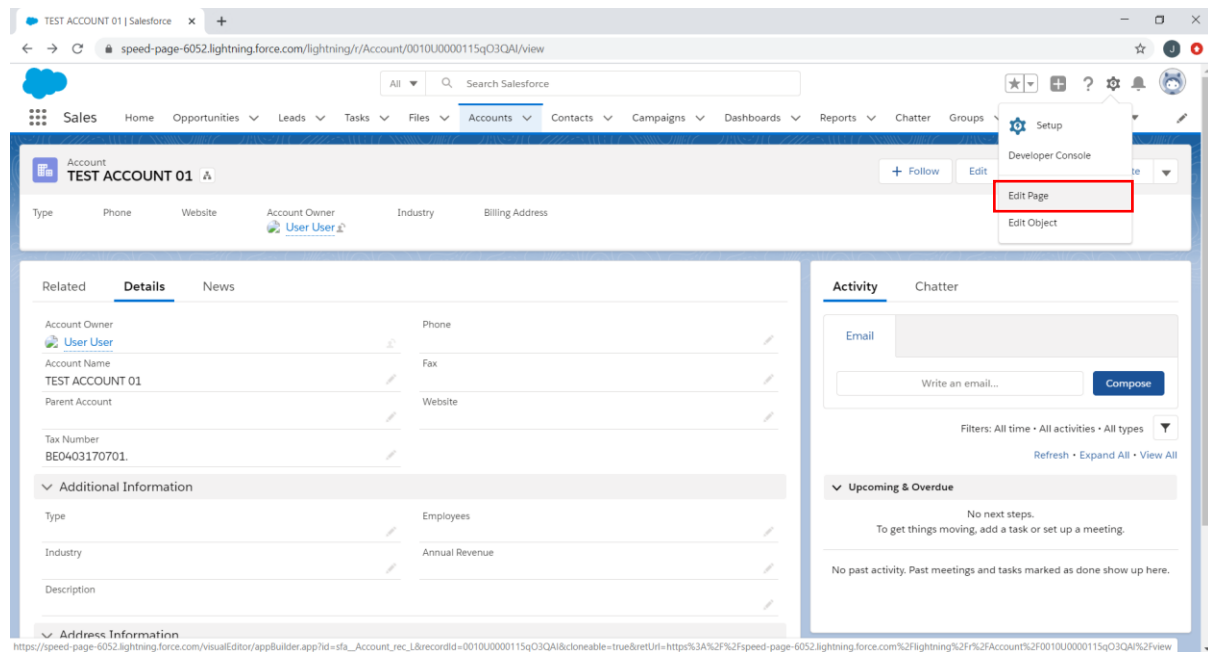
Via Setup > User Interface > Lightning App Builder

▼ User Interface

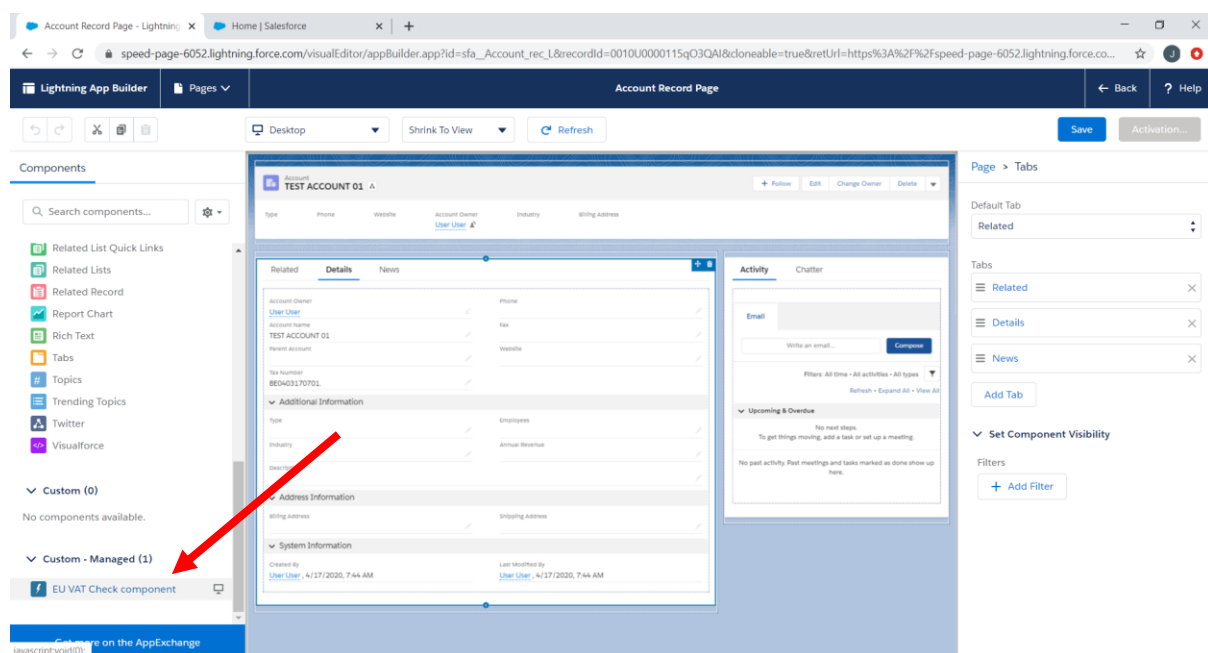
Lightning App Builder

Or

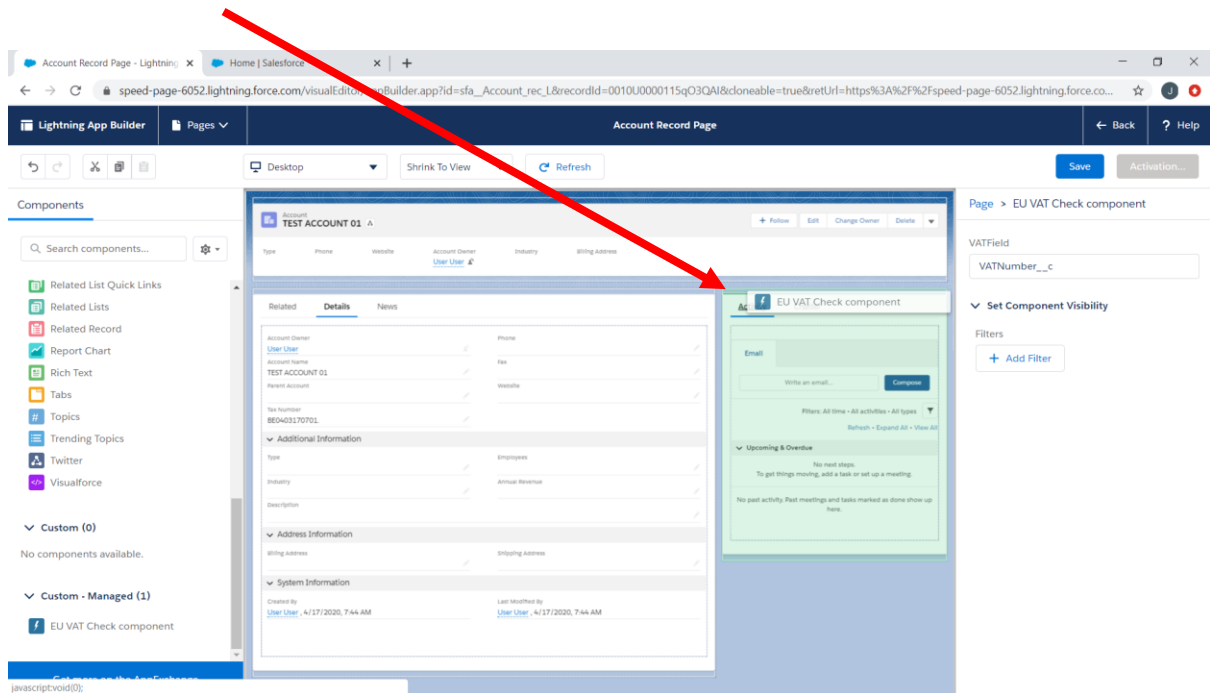
Via the object page itself:



In the Lightning App Builder, you can look up the custom component in the bottom left corner in the section “Custom - Managed”



Drop it to the location of your choice:



2.2 Specify the field that holds the VAT Number to be checked.

Page > EU VAT Check component

VATField

VATNumber__c

Set Component Visibility

Filters

+ Add Filter

Overwrite the default “VATNumber__c” field name by your on VAT Number field:

Page > EU VAT Check component

VATField

TaxNumber__c

Set Component Visibility

Filters

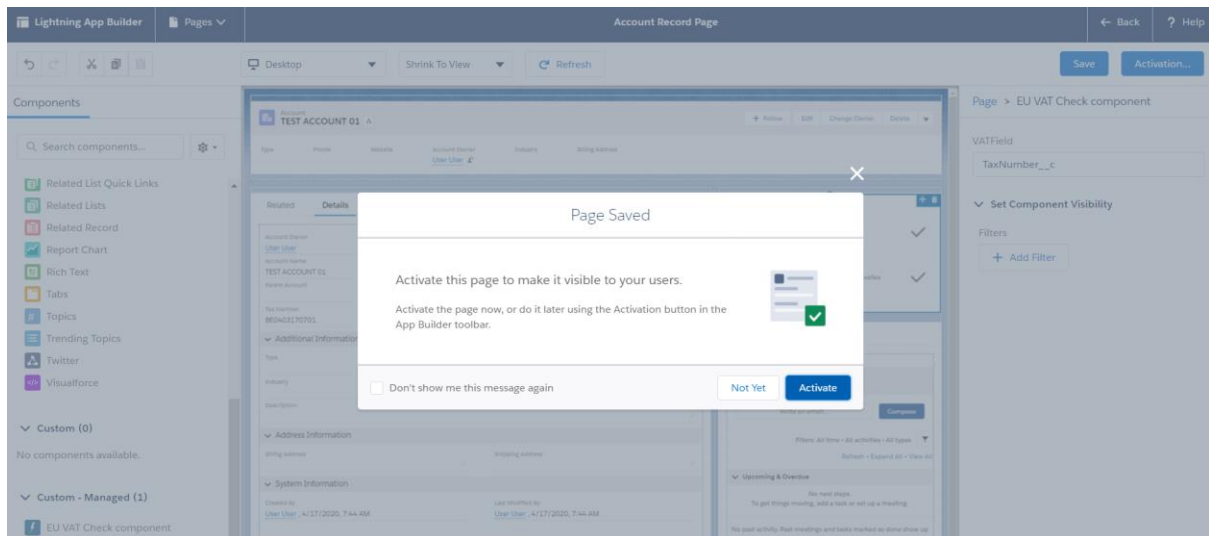
+ Add Filter

The screenshot displays the Lightning App Builder interface for configuring the 'EU VAT Check' component. The top navigation bar includes 'Lightning App Builder', 'Pages', and 'Account Record Page'. Below the navigation bar, there are tabs for 'Desktop', 'Shrink To View', and 'Refresh'. The main workspace shows a preview of the 'EU VAT Check' component, which displays a VAT check result for 'TEST ACCOUNT 01'. The component includes fields for 'VAT Number', 'VAT Result', 'VAT Format Valid', 'VAT Valid', and 'Request Date'. The 'VAT Result' field shows 'Name: SA ELECTRABEL, Address: Boulevard Simon Bolivar 34, 1000 Bruxelles, VAT Valid: true, Request Date: 2020-04-17-02:00'. The component is also configured with a 'Set Component Visibility' filter, which is currently set to 'Add Filter'. The left sidebar shows the 'Components' panel with a search bar and a list of components, including 'EU VAT Check component'.

2.3 Activate the page (if it wasn't already)

For information on how to activate Lightning Pages:

https://help.salesforce.com/articleView?id=lightning_page_getting_into_salesforce1.htm&type=5



Activation: Account Record Page

Custom record pages can be assigned at different levels:

 **The org default** record page displays for an object unless more specific assignments are made.

↳  **App default** page assignment, if specified, overrides the org default.

↳  **App, record type, profile** assignments override org and app defaults.

[Learn more about Lightning page assignment.](#)

ORG DEFAULT

APP DEFAULT

APP, RECORD TYPE, AND PROFILE

Set this page as the org default to display it for all Account records, except when app default or app, record type, or profile-specific assignments are defined.

 In standard Salesforce console apps, some objects have a system app default record page. For those objects, if you assign a custom org default page, it doesn't display to users. To enable a custom org default page to show up in the console for those objects, assign a custom page as the app default. [Check your assignments.](#)

[Assign as Org Default](#)

[Close](#)

2.4 Choose the form-factor

Assign form factor

Select the form factors that you want your org default page to be available for.

☐ Desktop

☐ Phone

☒ Desktop and phone

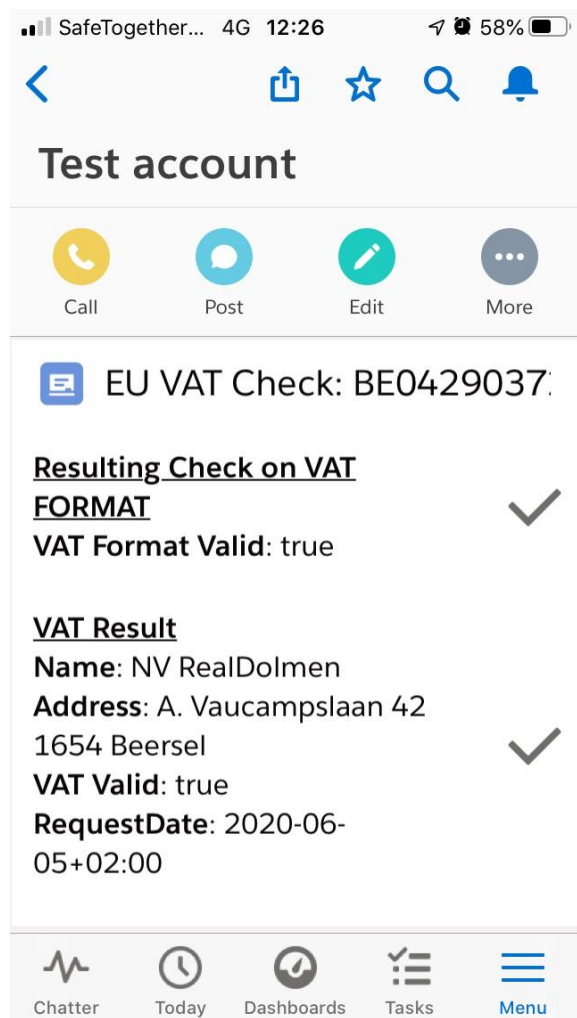
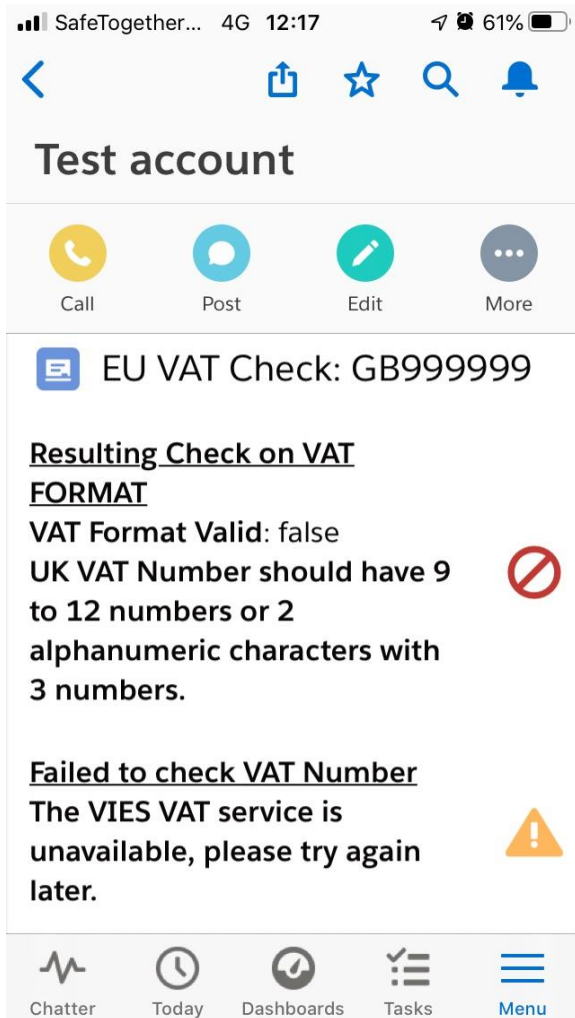
[Cancel](#) [Back](#) [Next](#)

Review assignment

Review Assignments (2)		
Form Factor	Current Org Default	New Org Default
Desktop	System Default	Account Record Page
Phone	System Default	Account Record Page

[Cancel](#) [Back](#) [Save](#)

Be sure to select Phone or Desktop and Phone if you want to use this in the Salesforce mobile app:



3 Requirements

3.1 Lightning and My Domain

Lightning Experience needs to be enabled of course.

To be able to use any Lightning Component, an Admin needs to enable “My Domain” in your org:

https://developer.salesforce.com/docs/atlas.en-us.lightning.meta/lightning/intro_reqs_my_domain.htm

If needed, more information can be found here:

https://help.salesforce.com/articleView?id=domain_name_overview.htm&type=5

3.2 Profile / Permission related

3.2.1 FLS (Field Level Security) on Specified VAT Number field

The end user needs at least read access to the VAT field specified for the component. If the end user does not have read access to the specified VAT field, the component will not be visible to the end user.

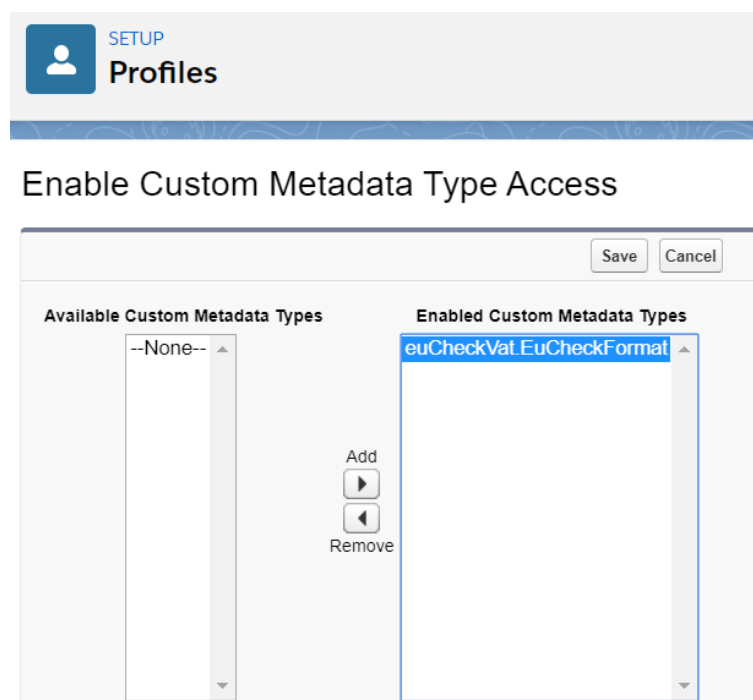
3.2.2 Custom Metadata Type access

Depending on how your Org has been configured it might be necessary to provide access to the following Custom Metadata Type Access: EuCheckFormat__mdt.

This can be done both on Profiles and Permission Sets.

https://help.salesforce.com/articleView?id=custommetadatatypes_permissions.htm&type=5

Here’s a screenshot on how it is setup in a profile:



3.2.3 Permission Set: EuCheckVat

Alternatively the “EuCheckVat” Permission Set included in the package can be used to apply all necessary permissions as e.g. the Custom Metadata Type, Apex Class. This permission set also includes a custom permission called “EuCheckVat”. This custom permission can be used to control visibility of the component on a specific lightning page.

▼ Set Component Visibility

Filters

1

Permissions > Custom

Permission > EuCheckVat Equal true

×

+

Add Filter