

Multi Address App - Installation Guide

Summary

With this app, a structure is provided on the Salesforce platform to associate multiple (n) addresses with customers. This structure allows both multiple addresses to be linked to customers and the standard fields on the customer record to continue being used via a “Default” mechanism. If desired, the address structure can also be related to other objects (for example, Contact, Opportunity, etc.); simply add the relevant field as a lookup on the target object.

At the same time, by sourcing country, state, and city data from a reliable source, user entry errors are prevented. Whether you load state and city data via GeoNames or via Excel, users can enter this data through picklists. If you do not wish to import all state and city data—so as not to increase data storage—manual text entry remains available for less-common countries.

App Architecture

Objects

Settings (MA_Multi_Address_Setting__c)

Custom object where the app's settings are stored.

Definitions (MA_Definition__c)

Custom object where country, state, and city data are stored.

- Record Types: Country, State, City

Definition Translations (MA_Definition_Translate__c) (Master-Detail to MA_Definition__c)

Custom object where language translations for country, state, and city records are stored.

Addresses (MA_Address__c)

Custom object where address records are stored. In this app it is related to Account; it can be related to other objects by adding the lookup field to those objects.

Installing the App

1. From AppExchange, install the Multi Address App.
2. After installation, you must load country, state, and city data. You can do this via Excel (using Data Loader) if your data is already prepared, or you can integrate

directly from GeoNames for free.

Loading Country, State, and City Data via Excel

Use the table below to load records into the Definitions (MA_Definition__c) object via Data Loader. Load in the following order:

1. Countries

2. States

3. Cities

- After loading Countries, copy each Country record's Id into the State records' Country__c lookup field before loading States.
- After loading States, copy each State record's Id into the City records' State__c lookup field—and also populate Country__c—with the appropriate Country Id before loading Cities.

Field Label	API Name	Data Type	Country	State	City
Definitions Name	Name	Text(80)	R	R	R
Alternative Name	Alternative_Name__c	Text(255)	A	A	A
Capital	Capital__c	Text(255)	A	NA	NA
Code	Code__c	Text(255)	A	A	A
Continent	Continent__c	Picklist	A	NA	NA
Country	Country__c	Lookup(Definition)	NA	A	A
External Code	External_Code__c	Text(255)	A	A	A
External ID	External_ID__c	Text(255) (External ID)	A	A	A
Geolocation	Geolocation__c	Geolocation	A	A	A
Integrate	Integrate__c	Checkbox	A	A	A
Population	Population__c	Number(18,0)	A	A	A
Record Type	RecordTypeId	Record Type	Country	State	City

State	State__c	Lookup(Definition)	NA	NA	A
Zip Code	Zip_Code__c	Text(255)	A	A	A

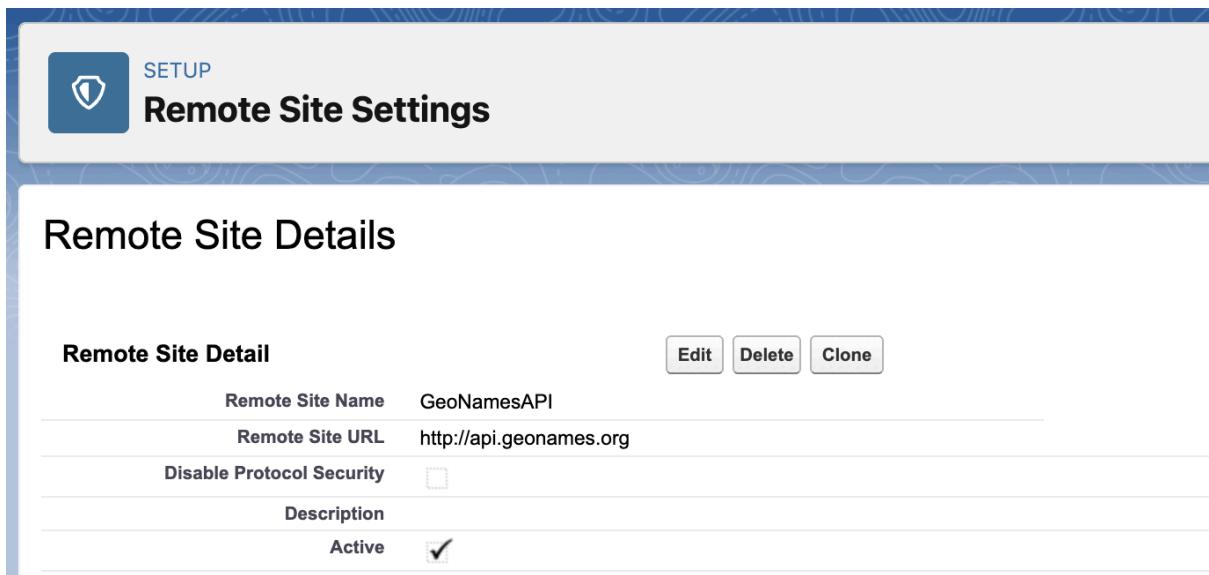
R: Required

A: Available

NA: Not Available

Loading Country, State, and City Data via Integration

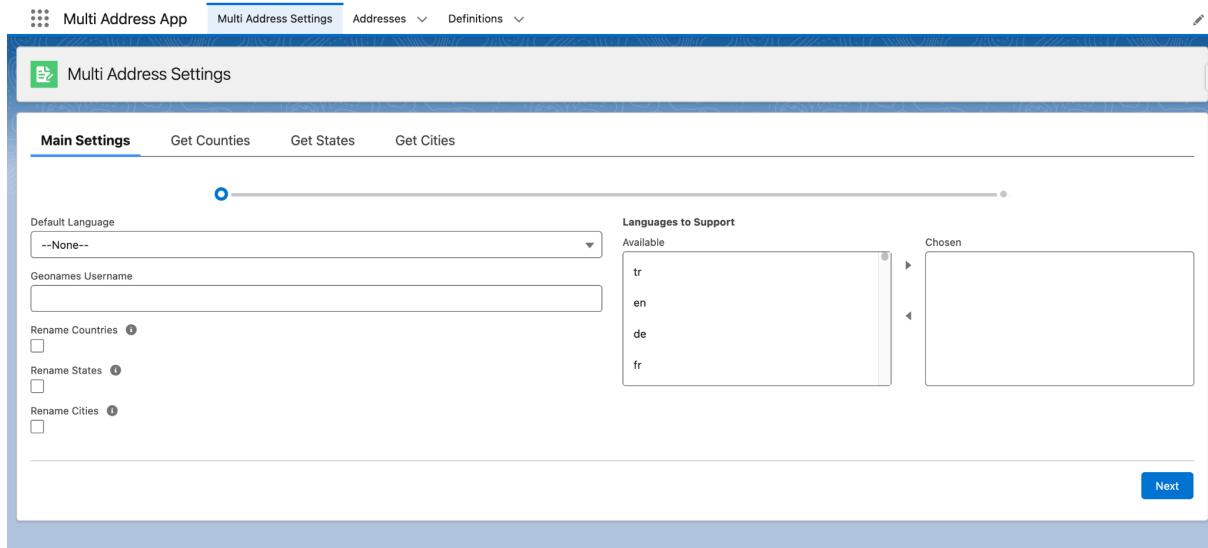
1. Create a free GeoNames account at <https://www.geonames.org/login>.
2. In Salesforce, add a Remote Site Setting:
 - o **Remote Site Name:** GeoNamesAPI
 - o **Remote Site URL:** <http://api.geonames.org>
 - o **Active:** true



The screenshot shows the 'Remote Site Settings' page in the Salesforce Setup. The page title is 'Remote Site Settings' with a 'SETUP' button. Below the title, there is a section for 'Remote Site Details' with the following fields:

Remote Site Detail		Edit	Delete	Clone
Remote Site Name	GeoNamesAPI			
Remote Site URL	http://api.geonames.org			
Disable Protocol Security	<input type="checkbox"/>			
Description				
Active	<input checked="" type="checkbox"/>			

3. In Salesforce, navigate to **App Launcher** → **Multi Address App** → **Multi Address Settings** tab.



On the **Main Settings** subtab:

Default Language: (Mandatory) The default language of the data being pulled is determined. If the Rename settings below are checked, the language in this language is translated and is determined as the default language of the data.

Geonames Username: (Mandatory) The Geoname account name opened in the first step must be written. Data will be integrated through this account.

Languages to Support: (At least 1 mandatory) When pulling country, state and city data, the language translations of the data will be determined from this list.

Rename Countries: If selected, the language translation in the default language value is determined as the name of the country record in the system. (For example, the country value in Geonames as Turkey is renamed as Turkey if the default language tr is selected.)

Rename States: If selected, the language translation in the default language value is determined as the name of the state record in the system. (For example, the country value in Geonames as Munich is renamed to “Münih” if the default language tr is selected.)

Rename Cities: If selected, the language translation in the default language value is determined as the name of the city record in the system. (For example, the country value in Geonames as Munich is renamed to Münih if the default language tr is selected.)

**** Most of the state and city records do not have language translations in Geonames. If the province and district value does not have a translation in the selected language, the name in the Geoname as default remains in the system.*

5. Click **Next** to save settings. No data fetch will occur until you complete all required fields and click **Finish**.

The screenshot shows the 'Main Settings' screen of the 'Multi Address Settings' application. The 'Main Settings' tab is selected. At the top, there are three buttons: 'Get Counties', 'Get States', and 'Get Cities'. Below these buttons is a horizontal progress bar with a blue dot indicating the current step. The main configuration area contains the following sections:

- Default Language:** A dropdown menu showing 'en'.
- Geonames Username:** A text input field containing 'demo'.
- Rename Countries:** A checked checkbox.
- Rename States:** An unchecked checkbox.
- Rename Cities:** An unchecked checkbox.

On the right side, there is a 'Languages to Support' section with two lists:

- Available:** A list of languages: es, ch, mi, ty.
- Chosen:** A list of languages: tr, en, de, fr.

At the bottom right of the screen are 'Next' and 'Previous' buttons.

The screenshot shows the 'Main Settings' screen of the 'Multi Address Settings' application. The 'Main Settings' tab is selected. At the top, there are three buttons: 'Get Counties', 'Get States', and 'Get Cities'. Below these buttons is a horizontal progress bar with a blue dot indicating the current step. The main configuration area contains the following sections:

- Inherit From Account Billing:** A checked checkbox.
- Inherit From Account Shipping:** A checked checkbox.
- Default Check:** A checked checkbox.
- Inherit To Account Billing:** An unchecked checkbox.
- Inherit To Account Shipping:** An unchecked checkbox.

At the bottom right of the screen are 'Previous' and 'Next' buttons.

The settings on this screen manage the relationship between the Address object added to the system and the Account object. The values are not mandatory. You can mark the features if you want to use them. If you will not use any of them, you can complete the settings by clicking next without making any changes.

Suggestion: If the addresses are to be updated with the customer standard fields, it would be more reliable to use one of them instead of making a two-way integration of the fields. Our suggestion is to make address updates from the Address structure that comes with the app. With the "Transfer to Customer Billing Address" and "Transfer to Delivery Address" options, standard fields can be filled. In this way, the standard fields on the customer can continue to be used, but the update can be prevented by adding read-only to the page layout. In this way, if there are processes or reports that you have made using the standard fields, they will continue to work, but updates can be made through your new address structure.

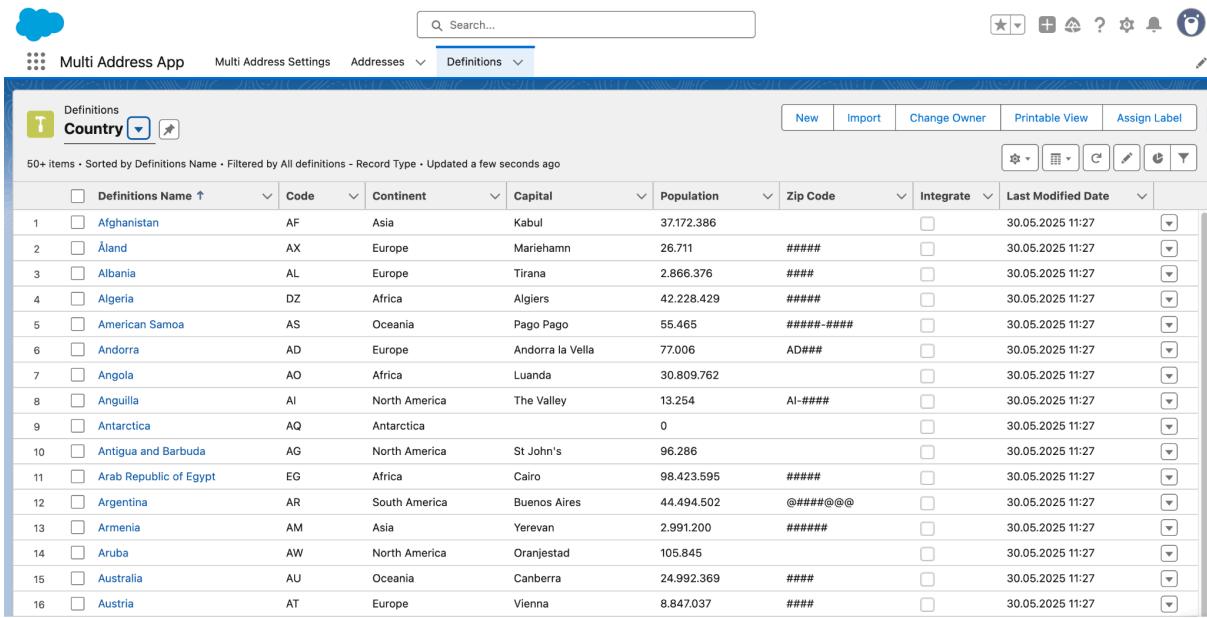
After the Application Settings are completed, the country, province and district data should be pulled in the order specified below. The reason for this is that districts are created based on provinces and provinces are created based on country records.

1. Countries
2. States
3. Cities

Integrate Countries

Go to Multi Address App -> Multi Address Settings -> Get Countries tab.

The countries are pulled with the “Withdraw Countries” button. This process takes some time. It may take 2-3 minutes to pull all countries. The pull can be followed through the countries list in the Definitions tab.



Definitions

Country

50+ items • Sorted by Definitions Name • Filtered by All definitions - Record Type - Updated a few seconds ago

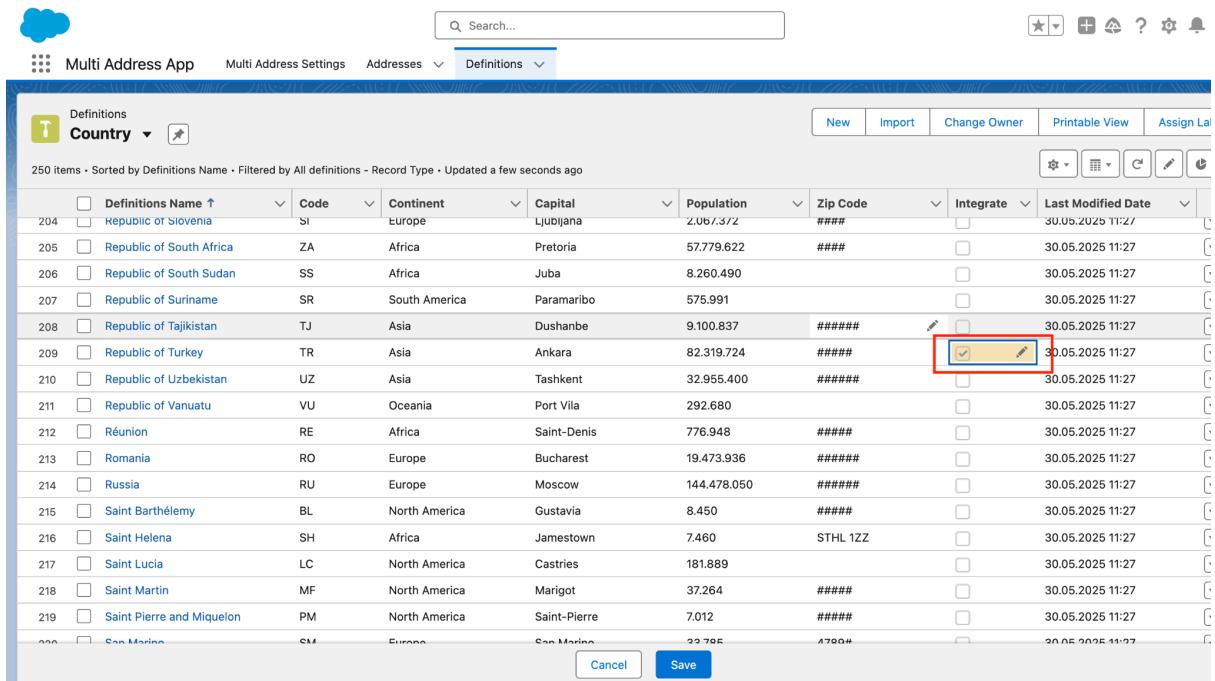
	<input type="checkbox"/> Definitions Name ↑	Code	Continent	Capital	Population	Zip Code	Integrate	Last Modified Date
1	<input type="checkbox"/> Afghanistan	AF	Asia	Kabul	37.172.386	#####	<input type="checkbox"/>	30.05.2025 11:27
2	<input type="checkbox"/> Åland	AX	Europe	Mariehamn	26.711	####	<input type="checkbox"/>	30.05.2025 11:27
3	<input type="checkbox"/> Albania	AL	Europe	Tirana	2.866.376	####	<input type="checkbox"/>	30.05.2025 11:27
4	<input type="checkbox"/> Algeria	DZ	Africa	Algiers	42.228.429	####	<input type="checkbox"/>	30.05.2025 11:27
5	<input type="checkbox"/> American Samoa	AS	Oceania	Pago Pago	55.465	####-####	<input type="checkbox"/>	30.05.2025 11:27
6	<input type="checkbox"/> Andorra	AD	Europe	Andorra la Vella	77.006	AD###	<input type="checkbox"/>	30.05.2025 11:27
7	<input type="checkbox"/> Angola	AO	Africa	Luanda	30.809.762	#####	<input type="checkbox"/>	30.05.2025 11:27
8	<input type="checkbox"/> Anguilla	AI	North America	The Valley	13.254	AI-####	<input type="checkbox"/>	30.05.2025 11:27
9	<input type="checkbox"/> Antarctica	AQ	Antarctica		0	#####	<input type="checkbox"/>	30.05.2025 11:27
10	<input type="checkbox"/> Antigua and Barbuda	AG	North America	St John's	96.286	#####	<input type="checkbox"/>	30.05.2025 11:27
11	<input type="checkbox"/> Arab Republic of Egypt	EG	Africa	Cairo	98.423.595	####	<input type="checkbox"/>	30.05.2025 11:27
12	<input type="checkbox"/> Argentina	AR	South America	Buenos Aires	44.494.502	@####@@@	<input type="checkbox"/>	30.05.2025 11:27
13	<input type="checkbox"/> Armenia	AM	Asia	Yerevan	2.991.200	#####	<input type="checkbox"/>	30.05.2025 11:27
14	<input type="checkbox"/> Aruba	AW	North America	Oranjestad	105.845	#####	<input type="checkbox"/>	30.05.2025 11:27
15	<input type="checkbox"/> Australia	AU	Oceania	Canberra	24.992.369	####	<input type="checkbox"/>	30.05.2025 11:27
16	<input type="checkbox"/> Austria	AT	Europe	Vienna	8.847.037	###	<input type="checkbox"/>	30.05.2025 11:27

Integrate States

After the country pull is completed, the province pull process can be started. Since it is not desired to integrate all provinces into the system and it creates a large data, you should mark the countries whose provinces you want to integrate from the Countries list. If no country with an integration mark is found, the province pull is not performed. You can complete this process as follows.

Go to Definitions -> Countries list.

The Integrate field is marked and saved.



Definitions

Country

250 items · Sorted by Definitions Name · Filtered by All definitions · Updated a few seconds ago

Definitions Name	Code	Continent	Capital	Population	Zip Code	Integrate	Last Modified Date
Republic of Slovenia	SI	Europe	Ljubljana	2.067.372	####	<input type="checkbox"/>	30.05.2025 11:27
Republic of South Africa	ZA	Africa	Pretoria	57.779.622	####	<input type="checkbox"/>	30.05.2025 11:27
Republic of South Sudan	SS	Africa	Juba	8.260.490	####	<input type="checkbox"/>	30.05.2025 11:27
Republic of Suriname	SR	South America	Paramaribo	575.991	####	<input type="checkbox"/>	30.05.2025 11:27
Republic of Tajikistan	TJ	Asia	Dushanbe	9.100.837	#####	<input type="checkbox"/>	30.05.2025 11:27
Republic of Turkey	TR	Asia	Ankara	82.319.724	#####	<input checked="" type="checkbox"/>	30.05.2025 11:27
Republic of Uzbekistan	UZ	Asia	Tashkent	32.955.400	#####	<input type="checkbox"/>	30.05.2025 11:27
Republic of Vanuatu	VU	Oceania	Port Vila	292.680	####	<input type="checkbox"/>	30.05.2025 11:27
Réunion	RE	Africa	Saint-Denis	776.948	####	<input type="checkbox"/>	30.05.2025 11:27
Romania	RO	Europe	Bucharest	19.473.936	#####	<input type="checkbox"/>	30.05.2025 11:27
Russia	RU	Europe	Moscow	144.478.050	#####	<input type="checkbox"/>	30.05.2025 11:27
Saint Barthélemy	BL	North America	Gustavia	8.450	#####	<input type="checkbox"/>	30.05.2025 11:27
Saint Helena	SH	Africa	Jamestown	7.460	STHL 1ZZ	<input type="checkbox"/>	30.05.2025 11:27
Saint Lucia	LC	North America	Castries	181.889	####	<input type="checkbox"/>	30.05.2025 11:27
Saint Martin	MF	North America	Marigot	37.264	####	<input type="checkbox"/>	30.05.2025 11:27
Saint Pierre and Miquelon	PM	North America	Saint-Pierre	7.012	####	<input type="checkbox"/>	30.05.2025 11:27
San Marino	SM	Europe	San Marino	22.705	4780#	<input type="checkbox"/>	30.05.2025 11:27

Cancel Save

If you want to pull the provinces of all countries, the “Integrate” field of all records can be marked.

**** For countries that do not have province data, a field where manual entry can be made is opened on the address creation screen. Users can enter the desired value. If the provinces of the country are integrated, the list is opened and values are added. For this reason, it is recommended not to perform an integration process in order to avoid data accumulation for countries you do not need.*

Integrate Cities

After the provinces of countries with the Integrate field marked are pulled, the districts of these provinces can be pulled. Provinces must be pulled before the districts. Districts are formed depending on the provinces. After “Integrate” is marked in countries, there is no need to do any other process to pull the districts. The provinces and districts of the relevant countries will be pulled.

Multi Address App Multi Address Settings Addresses Definitions

Multi Address Settings

Main Settings Get Counties Get States **Get Cities**

In order to pull the cities, you must first mark the Integrate field of the countries you want to pull the cities. Then, in order for the cities to be connected to the states, you must first pull the states. If a country with a full Integrate field cannot be found, no action will be taken. If the states are not pulled, the cities will not be connected to the states.

[Get Cities](#)

T Definitions Cities

0 items • Sorted by Definitions Name • Filtered by All definitions - Record Type • Updated a few seconds ago

New Import Change Owner Printable View Assign Label

Definition... Alternative... State Country Population Geolocation... Geolocation... External ID Code External Co...



Multi Address App Multi Address Settings Addresses Definitions

Multi Address Settings

Main Settings Get Counties Get States **Get Cities**

Integration has started. It will take a few minutes to get all cities and translations. Please refresh the list below and wait for the process to finish.

T Definitions Cities

0 items • Sorted by Definitions Name • Filtered by All definitions - Record Type • Updated a few seconds ago

New Import Change Owner Printable View Assign Label

Definition... Alternative... State Country Population Geolocation... Geolocation... External ID Code External Co...



Integration has started. It will take a few minutes to get all cities and translations. Please refresh the list below and wait for the process to finish.

	Definitions Name	Alternative Name	State	Country	Postcode	Geolocation	External ID	Co...	External Code
1	Abana İlçesi	Abana İlçesi	Kastamonu	Republic of Turkey	41,977380	34,014280	8631995	37	TR_37_8631995
2	Açigöl İlçesi	Açigöl District	Nevşehir	Republic of Turkey	38,561010	34,517300	8631927	50	TR_50_8631927
3	Açipayam İlçesi	Açipayam İlçesi	Denizli	Republic of Turkey	37,435360	29,361460	8632193	20	TR_20_8632193
4	Adaklı İlçesi	Adaklı İlçesi	Bingöl	Republic of Turkey	39,228700	40,482520	8631556	12	TR_12_8631556
5	Adalar	Adalar	İstanbul	Republic of Turkey	40,869130	29,120640	8521527	34	TR_34_8521527
6	Adapazarı	Adapazarı	Sakarya	Republic of Turkey	40,783430	30,399860	9549335	54	TR_54_9549335
7	Adilcevaz İlçesi	Adilcevaz İlçesi	Bitlis	Republic of Turkey	38,805820	42,736540	8630856	13	TR_13_8630856
8	Adiyaman	Adiyaman	Adiyaman	Republic of Turkey	37,744540	38,268010	7732069	02	TR_02_7732069
9	Afşin İlçesi	Afşin İlçesi	Kahramanmaraş	Republic of Turkey	38,257950	36,918970	8631480	46	TR_46_8631480
10	Afyonkarahisar	Afyonkarahisar	Afyonkarahisar	Republic of Turkey	38,790800	30,510510	7732070	02	TR_02_7732070

After the data is integrated, the data can be checked from the Definitions tab.

Updating the Address Screen

The address creation screen can be checked from the Addresses tab. At the same time, there is a lookup for the Account object in the Address object. For this reason, an address can be created from the related table section on the customer screen by adding from the page layout.

The “New” and “Edit” buttons of the address object have been overridden with LWC. After defining the country, state and city data as above on this screen, a selection can be made from the screen in the form of a picklist. If you do not want to use these, you can return to the standard screen from the object settings.

On the LWC screen, the country, state and city data appear as a picklist. If a state data related to the country cannot be found, a text field opens and the user can enter the state by typing here. A similar structure has been added for the city data. The country list appears as a picklist.

Multi Address App Multi Address Settings Addresses Definitions

Address Name

Related Account

Default

Address Type

Country

State

Status

City

House Number

Street

Geolocation

Zip Code

External ID

* Owner

Multi Address App Multi Address Settings Addresses Definitions

Address Name

Related Account

Default

Address Type

Status

Country

State (Text)

City (Text)

House Number

Street

Geolocation

Zip Code

External ID

* Owner

**Text fields