

Creating an Address Verification Job in the Data Quality Center

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Abstract

This article describes the steps that you follow to verify a set of address records in the Informatica Cloud. To verify your records, you create a batch service job in the Data Quality Center.

Supported Versions

• Informatica Address Verification 2.8.13 and later

Table of Contents

Introduction	2
Before You Begin	2
Understanding Your Source Data	3
Creating a Job for the Address Verification Interface	4
After You Complete the Job Creation Steps	1
Job Approval	2
Additional Approval for Geocoding and CAMEO Enrichments	2
Job Completion and Result Data	3

Introduction

You can create, view, and update address verification job requests from the **Manage Jobs** menu in the Data Quality Center. To submit a job to the current Address Verification interface, select the option to **Create a Batch Cleansing Job in the Cloud**.

In a job request, you upload a set of addresses to verify as a plain-text file. You can upload a file up to 100 MB in size. You can specify data settings such as the delimiters, text markers, field headers, and character set that the file uses. You also specify processing instructions for the file. The processing options include checks for alias street and locality information, the preferred script and language for the output addresses, and the character case for the output addresses.

When you configure the job, you can select enrichments and supplementary data to add to the output addresses. The enrichments and supplementary options include the addition of geocoordinates, CAMEO data, and checks for recent address changes.

Before You Begin

Before you configure a job, verify the following prerequisites about your source data:

- The source data file is under 100 MB in size.
- The source data file name has a maximum of 100 characters, including the file extension.
- You understand the content and structure of the source data.

You must also verify that your account contains enough transactions to permit the job. Bear in mind that geocoding and CAMEO services require additional transactions.

Understanding Your Source Data

A key step in the job configuration is the assignment of fields in your input file to address elements that Address Verification recognizes. The field assignments enable Address Verification to compare the file data to the address reference data in the Informatica cloud. You assign your data fields to address elements on the **Field Assignments** page of the job creation wizard.

Before you configure a job, ensure that you understand the content and structure of your source data. Verify the names of each column or field in the source data file. If the file does not include field names, ensure that you know contents of each field column and take note of the contents. If you do not understand the field contents, you cannot assign the fields to address elements in the job creation wizard.

You can identify the type of address records in the source file as fully fielded, partially fielded, or unfielded. A fullyfielded address record stores each item of address information in a discrete field. A partially-fielded address record may combine two or more items of information in a single field but also stores some items in discrete fields. An unfielded address record uses a small number of fields to store multiple items of information.

When you perform the field assignments, you must select fields or configure options that include the following information:

- Street or delivery service (Post office box) information.
- Locality or post code information. If the source data records include the locality and post code information in a single field, select a country-specific last line element for the field.
- Country. If the source data records do not identify a country, you can select a default country for the address verification job.

When you configure an unfielded address, you must assign address elements to at least two fields in the source file.

Note: Do not assign any field that does not contain address data to an address element on the Field Assignments page.

Creating a Job for the Address Verification Interface

To submit a service job to Address Verification, log into the Data Quality Center and complete the fields in the job creation wizard.

1. From the Data Quality Center main menu, select Manage Jobs > Create a Batch Cleansing Job in the Cloud.

The Create a Batch Cleansing Job in the Cloud page appears.

The following image shows the Create a Batch Cleansing Job in the Cloud page:

Account Data	Transactions Ma	nage Jobs Unlock Codes	Help Logout							
Create a Batch Cleansing Job in the Cloud										
To create a service job, complete the fields in this wizard.										
When you comple	When you complete all of the fields, Address Verification evaluates the job request and sends you a confirmation email.									
The confirmation	email includes sample addre	esses from the data that Address	Verification analyzed. Use th	e sample data to verify and optic	nally update your job settin	gs.				
The confirmation processed data.	The confirmation email also contains a link that you can use to start the job. When the job is complete, Address Verification sends an email with instructions on how to download the processed data.									
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7				
Create Job	Upload File	Define Structure	Set Parameters	Select Enrichments	Assign Fields	Summary				
Enter a ref	ference code for the job	DQCAVCLOUD1								
		Up to 20 letters or digits								
E	nter your email address	andy@informatica.com	n							
s	Select a report language	English	-							
		Address Verification creates a re address verification operations to a language for the report.	port that describes the nat the job performed. Select							
Enter a	a description for the job (optional)	•								
		Do not enter processing instructi	ons in the Description field.							
		O Cancel Vext								

- 2. Enter the following information:
 - A reference code for the job. You can create a code up to 20 characters in length.
 - Your email address. Address Verification sends all notifications about the job to the address that you enter.
- 3. Select a language in which to receive the job report. You can receive the report in English or German. By default, Address Verification sends you the report in English.
- 4. Optionally, enter a description of the job. Do not include processing instructions in the description.
- 5. Click Next.

The Upload a File page appears.

The following image shows the Upload a File page:

Account Data	Transactions	Manage Jobs Unlock Co	des Help Logout			
Upload a	File					
You can upload a p	lain text file up to 100 l	MB in size.				
🔆 How can I tell if my	file is suitable for process	ing in the Data Quality Center?				
Click the Next butto	on once. A large file ma	y take some time to upload.				
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Create Job	Upload File	Define Structure	Set Parameters	Select Enrichments	Assign Foelds	Summary
Si (Filename	pecify a file to upload max. 100 characters	Browse Specify a file	e to upload			
Entera	description for the file					
	(optional)				
			11)			
		⊘ Cancel	k 🕑 Next			

6. Select the address data file that Address Verification will analyze.

You can upload a delimited text file up to 100 MB in size and with a file name of up to 100 characters. The 100-character limit includes the file extension. You cannot upload a fixed-width file or a file in the Microsoft Excel or Microsoft Access format.

- 7. Optionally, enter a description of the file. Do not include processing instructions in the description.
- 8. Click Next.

The Define Data Structure page appears.

The following image shows the **Define Data Structure** page:

Account Data	Transactions	Manage Jobs Unlock Codes	: Help Logout			
Define D	Data Struc	ture (AV2MTgtDH2.csv)				
Use the options be Preview refreshes	elow to describe the s s to display the format	structure and content of the file that yo and the structure. Use the Preview to	u upload. The Preview display verify that Address Verificatio	s a sample of the file data. As you n reads the file contents correctly	I select the data structure of and to confirm the details t	options, the that you provide.
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Create Job	Upload File	Define Structure	Set Parameters	Select Enrichments	Assign Fields	Summary
1. Specity the c	character set of the ecify the field delim	The ISO 8899-1 (Latin_1 - West Show more character sets In the preview, verify that all character iter Tab So Tab So So <th>aracters display correctly, including emicolon © Comma Verification generate the output file?</th> <th>any diacritics (i.e. ū, ß, ė́) O Space</th> <th>Other:</th> <th></th>	aracters display correctly, including emicolon © Comma Verification generate the output file?	any diacritics (i.e. ū, ß, ė́) O Space	Other:	
2. Sp 3. Specify the	ecify the field delim e text marker (optio	Iter Iab Si We In what format will Address	emicolon Comma) Space	Other:	
		Select the character that enclos marker, accept the default optic	es text within a single field in your fi in (none). The preview does not dis	le. If the file does not use a text play the text marker.		
4	4. Specify field head	First line contains field na Select this option if the first line	ames of your file is a header record that c	ontains column or field names.		
5.	Review the field nar	Use the first line of the Previe Verification recommends add address field to an Address \	ew to review the field names in ling fields names to the relevar /erification address element.	the file and to create or update th t fields in the file. Later in the job	ne field names if necessary. creation process, you will a	Address assign each
	Prev	iew SubBuildingComplet	StreetNumberComp	treetComplete1 PostalP	hraseComple Deliver	yAddressLine1

- 9. Identify the following input file properties:
 - The character set that the file uses.

- The delimiter that the file uses.
- Any text marker that the file uses.
- Whether the first row in the file contains field names.

Address Verification returns the job results with the delimiter and the text marker that you specify.

Note: You can specify a preferred character script for the address verification results on the **Processing Options** page of the wizard. Address Verification returns the data in ISO 8859-1 when you specify a Latin character set and in UTF-8 for all other character sets.

- 10. Optionally, add one or more field names to the input file, or update one or more field names.
- 11. Verify the data structure in the data preview.

Use the data preview to verify that Address Verification reads the file contents correctly, including any field names, and to confirm the details that you specified.

As you define the data structure, the data preview refreshes to display the format and the structure that Address Verification will apply to the input data.

12. Click Next.

The Processing Options page appears.

The following image shows the Processing Options page:

Account Data	Transactions Ma	anage Jobs Unlock Codes	Help L	ogout		
Process	sing Options					
ou can review a	and update the processing o	ptions that Address Verification v	vill apply to the file tha	t you upload. The options apply to the cur	rent file only.	
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Create Job	Upload File	Define Structure	Set Parameters	Select Enrichments	Assign Fields	Summary
Preferred s	Cript DATABASE			Country type NAME_EN		
Street with	number no			Matching scope ALL		≡
Preferred la	anguage DATABASE			Matching alternatives		
				Matching alternatives		
Global casir	NATIVE			Alias street OFFICIAL		=
Global casir Element ab	ng NATIVE			Alias street OFFICIAL Alias locality OFFICIAL		
Global casir Element ab Dual addres	ng NATIVE breviation no ss priority POSTAL_ADMIN			Alias street OFFICIAL Alias locality OFFICIAL Global preferred descriptor DATABASE		

13. Review the processing options, and update the options to suit the job that you want Address Verification to perform.

You can configure the following options:

- Preferred script. Determines the character set that Address Verification uses for the output file data. Default is DATABASE. The DATABASE option uses the default character set from the reference data.
- Street with number. Determines whether Address Verification adds house number information to the street information in the Street field. Default is NO.
- Preferred language. Determines the language that Address Verification uses for the output file data in cases where the reference data contains information for one or more fields in multiple languages. Default is DATABASE. The DATABASE option uses the default language from the reference data.
- Global casing. Determines the character case of the output data. Default is NATIVE. The NATIVE option uses the default case from the reference data.

Note: The NOCHANGE option deactivates the standardization routines that Address Verification might apply to the character case. NOCHANGE does not guarantee that the verified data will match the case of the input data.

- Element abbreviation. Determines whether Address Verification abbreviates descriptive and directional terms such as road, street, north, and south. Default is NO.
- Dual address priority. Determines whether Address Verification returns street information or post office box information for an address in which both types of information are available. Default is POSTAL ADMIN. The default option returns the information that the local postal service prefers.
- Matching extended archive. Determines whether Address Verification verifies noncurrent addresses in the
 input data. An address is non-current when the postal authority recognizes a newer version of the address
 as the current address for a delivery point. Address Verification can verify non-current addresses in
 countries that support older addresses. For example, at the time of publication, Address Verification
 supports non-current addresses in Japan and South Korea. Default is NO. By default, Address Verification
 verifies the current version of each address. If you select YES, Address Verification validates and corrects
 each input address against the corresponding version of the address in the reference data.

Note: Address Verification does not verify or correct a non-current address against the current version or return the current version in place of a non-current version.

- Country type. Determines the language and character set in which Address Verification returns the data in a Country field. The option also applies to country data in a Formatted Address field. Default is NAME_EN (English).
- Matching scope. Determines the level of detail to which Address Verification verifies an address. Default is ALL. The default option verifies all possible address elements.
- Matching alternatives. Determines whether Address Verification reads synonyms and archived address element names from the reference data. Default is ALL.
- Alias street. Determines whether Address Verification verifies alternative street names in the input file data and preserves the names in the output data. Default is OFFICIAL. The default option returns the official name of each street in the output data.
- Alias locality. Determines whether Address Verification verifies alternative locality names in the input file data and preserves the names in the output data. Default is OFFICIAL. The default option returns the official name of each locality in the output data.
- Global preferred descriptor. Determines whether Address Verification abbreviates street, building, and sub-building element descriptors in the countries that support the abbreviations. Default is DATABASE. The default option returns the element descriptor that the reference data specifies.

Note: If you set a non-default option, the global preferred descriptor takes precedence over the element abbreviation for the affected countries.

• Standardize invalid addresses. Determines whether Address Verification standardizes data in addresses that it cannot verify or correct for deliverability. Default is NO.

14. Click Next.

The Enrichments and Supplementary Data page appears.

The following image shows the Enrichments and Supplementary Data page:

Account Data	Transactions	Manage Jobs Unlock Codes	Help Lo	tuogo		
Enrichme	nts and	Supplementary Da	ata	-		
Add enrichments to account transactions	the output data ar s must permit the	nd specify supplementary data for one options that you select.	or more countries. To	add enrichments or supplementary dat	a to addresses for a country, y	our Informatica
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Create Job	Upload rile	Define Structure	Set Parameters	s Select Enrichments	Assign Fields	Summary
It Reset to Default						
Enrich your d	ata with CAMEO	codes		Enrich your data with Geocoordinat	es	Ξ
⊖ Yes	No			🔿 Yes 💿 No		
Add supplem	entary data for on	e or more countries		Important Information		≡
Australia	⊖ Yes	No		In order to have the following enric include company or contact inform	chtments performed, your file nation.	must
Austria	Yes	No				
Belgium	Yes	No		Check your file against recent chan	ges of contact address	
Brazil	O Yes	No				
Czech Republic	⊖ Yes	No		Austria Provide address	new 💿 No	
France	O Yes	No		Germany Provide	new 🔘 No	
Germany	○ Yes	No		Switzerland Provide	new 🔘 No	
Italy	O Yes	No		address		
Japan	O Yes	No		changes. If you select "Provide new a	ontain information about recen iddress" you will receive the n	t address ew address
Korea	O Yes	No		for any contact in your file who logged	the change with the postal a	uthorities in
Poland		No		address.	its that you select can also us	e me new
Russia		No				
Serbia		No No		Check your file for deceased contact	cts	≡
South Afr	ica Vee	No		Austria Ves	No	
Spain		No		Germany Ves	No	
Switzerla	o Yes	No		Switzerland Ves	No	
United	O Yes			Address Verification can check the su	pplementary databases for re	cently
Kingdom	U Yes	M 140		deceased contacts.		
United St	ates 🔿 Yes	No No				

15. Optionally, select the enrichments to add to the output address records.

You can add the following enrichments:

- CAMEO data
- Geocoordinates
- 16. Optionally, add supplementary data to your address records.

Address Verification can add supplementary data for addresses in several countries. Check the list of countries on the **Enrichments and Supplementary Data** page for countries that match your data.

Note: Geocoding and CAMEO enrichments require additional transactions.

17. Optionally, update your address data from the current postal authority lists of recent address changes and recently deceased contacts.

You can update addresses in Austria, Germany, and Switzerland. To perform the updates, your address must contain contact information.

18. Click Next.

The Field Assignments page appears.

Address Verification uses the field assignments that you specify to compare your address data to reference data from the country that the address specifies.

The following image shows sample field assignments on the Field Assignments page:

Account Data	Transactions	Manage Jobs	Unlock Codes	Help	Logout		
Field As	sianment	ts (AV2MTa	tDH2.csv)				
To enable Address	s Verification to pro	ocess your data, assign a	n Address Verification	address elem	ent to each address data field in your file. A	ddress Verification uses t	ne field
assignments to co	mpare the file data	to the address elements	In the reference data	I.			
To assign an addre from menus in the	ess element, drag Field Assignments	it from the Address Elem s column.	ents column to a field	in the Field As	signments column. If you disable drag and	drop, you can select the a	ddress elements
The address elem	ents that you can s	select depend on the stru	cture of your file. If yo	u saved the fie	d assignments from an earlier job, you can	reuse the assignments.	
Step 1	Step 2	St	en 3	Step 4	Step 5	Sten 6	Step 7
Create Job	Upload File	Define	Structure	Set Parameter	s Select Enrichments	Assign Fields	Summary
It Reset to Default	Disable Drag and	Drop 🕂 Enable Drag and I	Drop				
Use field assig	gnments from an e	arlier job			Address structure		
O Yes					Fielded addresses		
No No					Partial-fielded addresses Unfielded addresses		
Field assignm	nents				Address Verification Address Elements		
					Contact First Name		
Field_1	Addressline 1				Contact Surname		
Field_2	Locality / City	/ Town (Line 1)			Contact Full Name		
Field 3	State / Provin	ce / County (Line 1)			RecordId		
E-14	Bostal Code /	710			Organization		
Field_4	Postal Code /	ZIP			Department		
Field_5	Country				Building (Line 1)		
					Building (Line 2)		
Specify defau	it country				Building (Line 3)		
No default	country	+			SubBuilding (Line 1)		
Specify a destin	nation country for a	iny input address that doe	es not contain country		SubBuilding (Line 2)		
information. Add	dress Verification o J select.	compares the address to	reference data for the)	SubBuilding (Line 3)		
					Street (Line 1)		
Force country	/				Street (Line 2)		
No default	country	÷			Street (Line 3)		
Specify a des	stination country fo	r all addresses in the file.	Address Verification		Street (Line 4)		
regardless of	the country inform	nation in the address.	inity that you select,		HouseNumber		
					DeliveryService		
					Locality / City / Town (Line 1)		
					Locality / City / Town (Line 2)		
					Locality / City / Town (Line 3)		
					Postal Code / ZIP		
					State / Province / County (Line 1)		
					State / Province / County (Line 2)		
					State / Province / County (Line 3)		
					Country		

🖉 Cancel 🔶 Back 🕑 Next

- 19. Describe the address structure. You can select one of the following descriptions:
 - Fielded addresses. Every field in the input address records contains data for a single address element.
 - Partially-fielded addresses. Some fields in the input address records contain data for a single address element, whereas other fields contain data for multiple address elements. For example, the address records might store all street information in a single field and store city, province, and post code information in discrete fields.
 - Unfielded addresses. The input address records store the address data in a small number of fields. For example, the address records might store all street information in one field and store city, province, and post code information in another field.
- 20. Optionally, apply the assignments from the most recent job that you defined to the current job.

Or, assign the fields in your input file to the Address Verification address elements.

To assign a field to an address element, find the names of the address elements that correspond to the fields in the input file. Then, drag each address element to the corresponding field.

Note: If you did not specify field names for the input file, you must understand the contents of each column in the input file. Consider returning to the **Define Data Structure** page to add field names. You can use the Preview option to verify the names. Click **Next** to return to the current page.

21. Optionally, specify a default country for any input address that does not contain country information. Address Verification compares the address to reference data for the country that you select.

Use the Specify Default Country option to specify the country.

22. Optionally, specify the destination country for all addresses in the file. Address Verification compares each address to the reference data for the country that you select, regardless of the country information in the address.

Use the Force Country option to specify the country.

23. Click Next.

The Summary page appears.

The following image shows the **Summary** page:

	Transactions	Manage Jobs	Unlock Codes	Help Logo	ut		
mmar	v						
mit the job.	click Finish. Use th	e Back button to upd	ate any options befo	pre you proceed.			
the job is co	omplete, you will re	ceive a detailed repo	rt in the language sp	ecified below.			
tep 1	Step 2		Step 3	Step 4	Step 5	Step 6	Step 7
ate Job	Upload File	De	fine Structure	Set Parameters	Select Enrichments	Assign Fields	Summa
Field assig	nments				File information		■
Field_1	Addressline	1			File ID	44921	
Field_2	Locality / City	/ Town (Line 1)			File name	AV2MTgtDH2.csv	
Field_3	State / Provin	ice / County (Line 1)			File description		
Field 4	Postal Code	/ ZIP			File type	Text	
					Character set	ISO 8859-1 (Latin_1 - Western Europe))
Field 5	Country						
Field_5	Country				Delimiter	Comma	
Field_5	Country				Delimiter	Comma	
Field_5 Processing	Country J options				Delimiter Job information	Comma	≡
Field_5 Processing Country typ	Country J options	Engl	ish		Delimiter Job information Job number	Comma 57595	≡
Field_5 Processing Country typ Preferred s	Country options pe script	Engl	ish ABASE		Delimiter Job Information Job number Job reference	Comma 57595 DQCAVCLOUD1	E
Field_5 Processing Country typ Preferred s Preferred I	Country options pe script anguage	Engl DAT/ DAT/	ish ABASE ABASE		Delimiter Job Information Job number Job reference Your email address	Comma 57595 DQCAVCLOUD1 andy@informatica.com	≡
Field_5 Processing Country typ Preferred s Preferred s Global cas	Country options pe script anguage sino	Engl DAT/ DAT/ NAT	ish ABASE ABASE VE		Delimiter Job Information Job reference Your email address Report language	Comma 57595 DQCAVCLOUD1 andy@informatica.com English	Ξ
Field_5 Processing Country typ Preferred Is Global cas Matching s	Country options pe script anguage	Engl DAT/ DAT/ NATI	ish ABASE ABASE VE		Delimiter Job Information Job reference Your email address Report language Job description	Comma 57595 DQCAVCLOUD1 andy@informatica.com English	Ξ
Field_5 Processing Country typ Preferred Is Global cas Matching s	Country Countr	Engl DAT/ DAT/ NATI ALL ALL	ish BASE ABASE VE		Delimiter Job Information Job reference Your email address Report language Job description	Comma 57595 DQCAVCLOUD1 andy@informatica.com English y data	Ξ
Field_5 Processing Country typ Preferred is Global cas Matching a Alias street	country options ope cope cope t t t t t t t t t t t t t t t t t t t	Engl DAT/ DAT/ NATI ALL ALL OFF	ish ABASE VE ICIAL		Delimiter Job Information Job reference Your email address Report language Job description Enrichments and supplementar Change of address	Comma 57595 DQCAVCLOUD1 andy@Informatica.com English y data Change of address check will	Ξ
Field_5 Processing Country typ Preferred is Preferred is Global cas Matching a Alias street Alias locali	Country Country Options Option	Engl DAT DAT NATI ALL ALL OFF	Ish ABASE VE ICIAL		Delimiter Job Information Job reference Your email address Report language Job description Enrichments and supplementar Change of address check	Comma 57595 DQCAVCLOUD1 andy@informatica.com English y data Change of address check will not be performed.	Ξ
Field_5 Processing Country by Preferred a Preferred a Global cas Matching a Alias street Alias locali Global ree	Country Countr	Engl DAT/ DAT/ NATI ALL ALL OFFI OFFI	Ish ABASE ABASE VE ICIAL ICIAL ICIAL		Delimiter Job Information Job reference Your email address Report language Job description Enrichments and supplementar Change of address check	Comma 57595 DQCAVCLOUD1 andy@informatica.com English y data Change of address check will not be performed. Deceased check will not be performed.	Ξ
Field_5 Processing Country by Preferred s Preferred is Global cas Matching a Alias street Alias locali Global pre Dual addre	Country Countr	Engl DAT/ DAT/ NATI ALL ALL OFFI OFFI DAT/	Ish ABASE ABASE VE CIAL CIAL CIAL ABASE		Delimiter Job Information Job reference Your email address Report language Job description Enrichments and supplementar Change of address check Deceased check	Comma 57595 DQCAVCLOUD1 andy@informatica.com English y data Change of address check will not be performed. Deceased check will not be performed. No Geocoding No Geocoding	=
Field_5 Processing Country by Preferred s Preferred s Global cas Matching a Alias street Alias locali Global pre Dual addree	Country Countr	Engl DAT/ DAT/ ALL ALL OFFI DAT/ POS	Ish ABASE ABASE VE CIAL CIAL CIAL CIAL ABASE TAL_ADMIN		Delimiter Job Information Job reference Your email address Report language Job description Enrichments and supplementar Change of address check Deceased check Geocoding CAMEO codes	Comma 57595 DQCAVCLOUD1 andy@informatica.com English y data Change of address check will not be performed. Deceased check will not be performed. No Geocoding Addresses will not be enriched	=

- 24. Review the job settings that you configured.
 - To accept the settings and submit the job, click Finish.
 - To change any of the settings, click **Back** and return to the earlier page.

After You Complete the Job Creation Steps

When you complete the job creation steps, Address Verification send you a sequence of emails to verify the job options and to deliver the job results. The sequence of emails depends on whether you added geocoding and CAMEO enrichments to the job.

The following table describes the email sequence:

Address Verification Job	Address Verification Job with Enrichments
Approve the job options and start the job.	Approve the job options and start the job.
Review the data quality audit report and download the processed data.	Confirm the geocoding and/or CAMEO enrichments. Review the data quality audit report and download the processed data.

Job Approval

When you click Finish in the job creation wizard, Address Verification analyzes a subset of your data and sends you an email that summarizes the analysis. The email contains a link that you can use to approve the job options and start the job.

The email also includes hyperlinks to different steps in the job configuration. To revisit the job and change any of the options that you specified, click the relevant link. If you change a job option, Address Validation performs a fresh analysis and sends you a fresh email to approve the job.

To start the job, click the job approval link in the email.

Note: Address Verification sends you a subsequent email to confirm the job completion and to provide a download link for the job results. If you selected geocoding or CAMEO enrichments, Address Verification sends you an additional email to confirm the enrichments.

Additional Approval for Geocoding and CAMEO Enrichments

If you selected geocoding or CAMEO enrichments during the job configuration, you must approve the geocoding or CAMEO analysis before Address Verification begins the job. Geocoding and CAMEO enrichments require additional account transactions. Address Verification provides a link by email to the Data Quality Center that you can use to approve the subtraction of the transactions from the account.

The following image shows the geocoding and CAMEO approval options on the Data Quality Center:

Acco	unt Data	Transactions	Manage Jobs	Unlock Codes	Help	Logout
You may r	now select the se	ervices that you wish to	o purchase			
Select	Services for Jo	b 'Test', Job ID 576	574			
	Service		Recor	ds Info		
~	Address va	lidation		7		
	Geo coding	l.		6		
	CAMEO co	des		6		
Purchase	services Can	cel		2		
What's ne	ext?					
By clicking download	the button "Pu I link.	irchase services", yo	u will shortly receive anoth	er email with a		
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You can select or clear the geocoding or CAMEO enrichments on the Data Quality Center. To confirm the geocoding and CAMEO preferences, click **Purchase Services**. When you click **Purchase Services**, Address Verification starts the job.

Job Completion and Result Data

Address Verification sends you an email when your job is complete. The email contains a detailed audit report that describes the data quality of the data that you submitted. The email also contains a download link for the file that contains the results of the job.

When you download the results, Address Verification deletes the appropriate transactions from the account.

Note: Address Verification sends you email from an addressdoctor.com account. Verify that your email client does not filter mail from addressdoctor.com to a spam or junk mail folder.

You can also approve a job and monitor the status of a job online. To view the list of current jobs on the account, log in to the Data Quality Center and select **List of Jobs** from the **Manage Jobs** menu.

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