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INTEGRATING WITH TWILIO IN BOOMI

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Integrating with Twilio in Boomi

In this Blog, we will see how to integrate Twilio Connector in Dell Boomi.

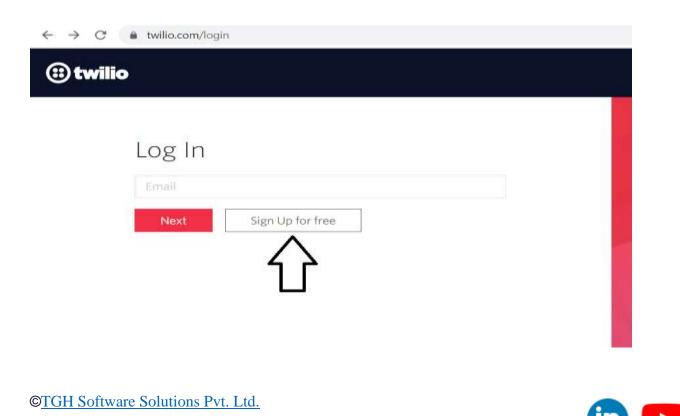
What is Twilio?

Twilio is an application that facilitates communication by embedding internet-based messaging systems into the web, desktop, and mobile apps. It allows users to programmatically text and create messages, and phone calls and perform other communication-based services using API. It provides APIs and interfaces to build applications using programming languages like Microsoft, Java, .Net, and PHP.

In this Use Case, we will see how to read input from disk and send message to your number by configuring Twilio Connector in the Boomi Platform. To Integrate with Twilio Connector, we need to have an Account SID, Auth Token, FROM Number and TO Number.

We will follow the below steps to get the required details as mentioned above.

Step 1: Go to <u>https://www.twilio.com/login</u> and enter your email ID followed by the password which you have configured while creating the account. If you are a new user, choose **Sign Up for free** and create the account by following the required steps.

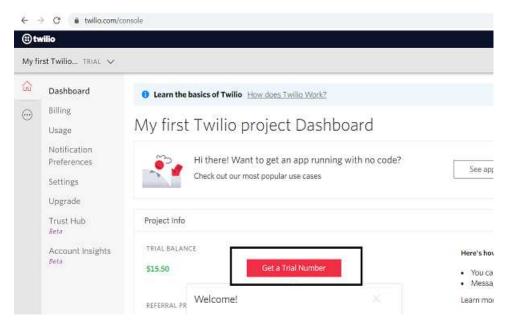




Step 2: Once, we complete the account set-up, we will be redirected to the Twilio Console. We see Account ID and Auth Token get populated and these will be responsible for creating Twilio Connection in Boomi.

My fi	rst Twilio TRIAL 🗸			Upgr	ade Project	. Co fa.;;
☆	Dashboard Billing Usage Notification Preferences Settings Upgrade	Learn the basics of Twilio How does Twilio Work? My first Twilio project Dashboard Hi there! Want to get an app running with no code? Check out our most popular use cases		See app samples স		
	Trust Hub Beta Account Insights Beta	Project Info TRIAL BALANCE S15.50 Get a Trial Number REFERRAL PR Welcome! Refer your n Musue customized your onboarding guide to match what ACCOUNT Sill you've told us. To get started, get a trial phone number. AUTH TOKEN	D	Here's how your Twilio Trial acco • You can send messages and • Messages and calls include: Learn more about your trial no PROJECT NAME	make calls to a note about th r upgrade to re	is coming from

Step 3: Here, we will be asked to get a Trial Number in the account by which we can send messages. Click on **Get a Trial Number** to get the Number.

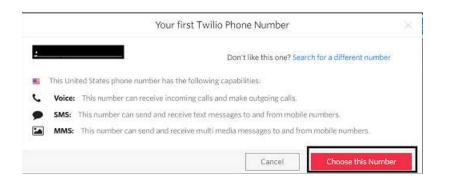


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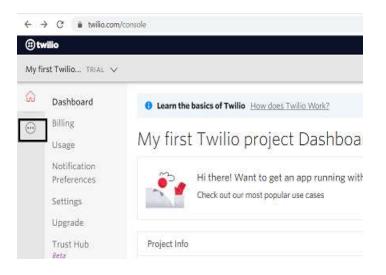
Step 4: We can see the trial number and we will be asked to choose it. Click on **Choose this Number.**



Step 5: We will be allocated the number that is used while mentioning **From** in the message. Click on Done.

Congratulations!	\sim
Your new Phone Number is	ļ
For help building your Twilio application, check out the resources on the ge Once you've built your application, you can configure this phone number to send and	
	Done

Step 6: Click on the 3 dots as shown to get the verified number. The verified number will be the number which we have given while creating the account.

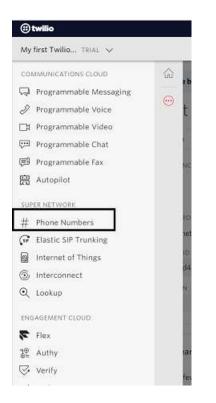


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Step 7: Click on Phone Numbers to get the Verified Number.



Step 8: We will see the number using which we can send the message (i.e. **FROM** in the message)

ŵ	Phone Numbers	Active Nu	mbers		
#	Manage Numbers				
0	Active Numbers	Inventory Filters		Configura	ation Filters
0	Released Numbers	Number ~		Voice U	RL
	Buy a Number				
	Verified Caller IDs	Number	Friendly Name	Capabili	ties
	Port & Host	Flomaton, AL		S	¢
	Regulatory	nometon, ne			

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Step 9: To get the Verified Number, Click on Verified Caller IDs and we will get to see the **TO** number to which we can send the message.

ŵ	Phone Numbers	Active Nu	mbers		
#	Manage Numbers				
0	Active Numbers	inventory Filters		Configura	tion Filter
9	Released Numbers	Number	• [Voice U	ł1.
	Buy a Number				
	Verified Caller IDs	Number	Friendly Name	Capabili	ties
3.	Port & Host	Formation, AL	-	6	e
	Regulatory	nomation, AL			
	Compliance				

(i) tr	vilio			
My fi	rst Twilio TRIAL 🗸 🧃	Phone Numbers /		
ŵ	Phone Numbers	Verified Caller	IDs	
#	Manage Numbers	+ Number	Friendly Name	Filter
\bigcirc	Buy a Number Verified Caller IDs Port & Host Regulatory Compliance Tools Usage Getting Started	NUMBER	FRIENDLY NAME	

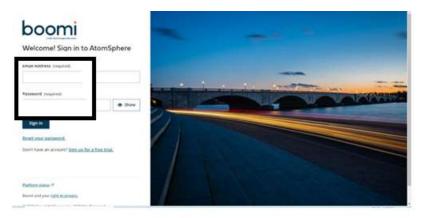
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As we have got the required details, we will see the steps to integrate the Twilio Connector in Boomi.

Step 1: Log on to the Boomi platform (<u>https://platform.boomi.com/</u>) with the required credentials i.e. Email Address and Password.



Step 2: Once logged into the Boomi platform, we will be able to view the Home page.

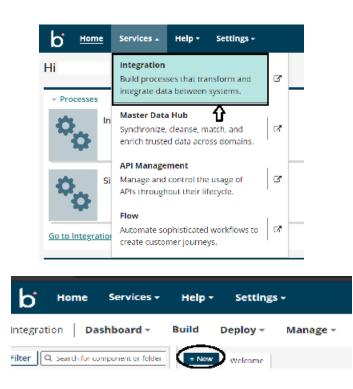
b	Home	Services +	Help 🕶	Settings -		
		2				
v Pro	te	esting	u e	1	¢.	Orders_Fron
ð	S	hopify GET or	ders		ð	Web_Insert_

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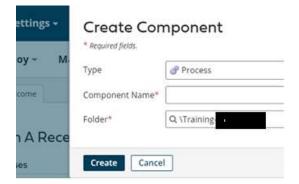




Step 3: Now, click on Services followed by Integration. We will see the Build page. Click on New.



Step 4: Once, click on New, we will be able to see three fields i.e. Type, Component Name and Folder.



• Select Type as process as we are building a process. Component Name and Folder can be given based on your choice (i.e., which name to be given and where do we want to create the process). Click on Create.

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Step 5: We see that the process gets created with a start shape which is configured with AS2 Shared Server by default.



Step 6: Select the start shape and choose No Data. Click ok.

Start	Shape 🕖
	s the main shape that begins the process flow. It is automatically added to ea It cannot be removed.
Process Mode	General
Туре	Connector Trading Partner Data Passthroug No Data Select this option if this process should not receive or retrieve data free any source. In other words, the process will be scheduled and run similar t. CBOH or any other sort of pols schedulet. The process will generate a single empty document.

Step 7: Drag and drop the Twilio Connector onto the process canvas and configure it.

Display Name		
Connector 🕧	Twilio	*
Action	QUÊRY	×
-	QUERY	
Connection (i)	GET	
-	CREATE	
Operation 🚯	UPDATE	
	DELETE	

• We have many actions in Action and we need to select the Action based on the requirement.

QUERY	—	Retrieves records based on the filters.
GET		Retrieves single record.
CREATE	_	Creates new records.
UPDATE	_	Updates existing records.
DELETE		Deletes the existing records.

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• Here, Action will be **CREATE** as we are creating the message.

Step 8: Click + on connection and name it. Give Account SID and Auth Token which we have received after creating the account in the above steps. Once we set it, click save and close.

Connection				
ccount SID 🕧				_
uth Token 👔	Click to Set	1		

Step 9: Click + on operation and name it. Choose import.

Options Archi	iving Tracking Caching	Import
Connector Action	CREATE 👻	٨
Object		/
Tracking Direction 🧃	🕘 🖷 Input Documents 😳 Output Documents	4
Error Behavior	🗍 Return Application Error Responses 🕕	

Step 10: Choose Browse in to browse in cloud or atom. Here, it is Atom

	Import Wizard	
* Required / Browse in	O Goud Atom	
Atom*	local_atom	v
Filter (1)		

Step 11: Select Object Type as SMS Message as we are sending a message in this use case.

Twilio I	mport Wizard	
Object Type	Account	v
	Account	
	Application Call Incoming Phone Number Local Incoming Phone Number Outgoing Caller ID	
	SMS Message Toll Free Incoming Phone Number	

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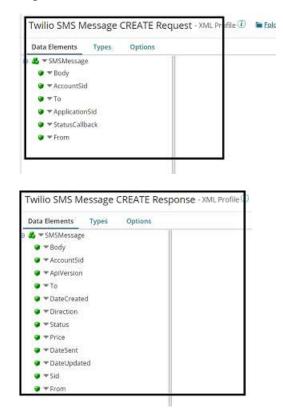




Step 12: We see that the profiles are imported.



• The request and response profiles look like,



• Click save and close.

Step 13: Drag and drop the Disk connector onto the process canvas to read a file from a specific directory.



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• We have to configure 3 fields in connector i.e. Action, Connector and Operation.

have one "get" conne	e used to get data into and send data out o ctor and one or more "send" connectors. T efined connection and operation componen	'he Connector shape uses a
General Para	meters	
Display Name		
Connector 🕧	Disk	×
Action	Get	Ŷ
Connection 🕖	Q Choose	0
	Provide the second second second	

• We see 2 actions i.e. Get and Send in Actions.

Get – To get the data from a disk location.

Send – To send to the disk location.

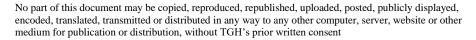
• Here, we will choose action as **GET** as we are reading the file.

General	Parameters
Display Name	
Connector 🕧	Disk
Action	Get
Connection (Q Choos
Operation (i)	Q Choos

• Click + on connection to create a new one.

General	Parameters	
Display Name		
Connector (i)	Disk	¥
Action	Get	~
Connection (i)	Q Choose	0
Operation ()	Q Choose	0

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• Name the file and give the directory from where we want to read the file. Here, we are reading XML files from D drive and BoomiExamples folder as shown in the screenshot.

Name	Date modified	Type	Size	

• XML file existing in D:\BoomiExamples looks like,

1	□ <request></request>
2	<from>-</from>
3	<to></to>
4	<pre><message>Message From Twilio</message></pre>
5	<pre></pre>
6	
7	

NOTE: Here, From and To will be the Numbers which we have got from the Twilio Account in the above-mentioned steps.

File Read Connec	tion Disk 🛈	Folder	Add Description	
Settings			A (10)	
Directory	D:\BoomiEx	amples		

• Click save and close



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Step 14: Now, we will configure the operation. Click + on operation to create a new one.

Connect	tor Shape 🕖	
have one "get" conne	e used to get data into and send data out of a ector and one or more "send" connectors. The efined connection and operation components	Connector shape uses a
General Para	imeters	
Display Name		
Connector (1)	Disk	v
Action	Get	~
Connection ①	Q. File Read Connection	/ 0
Operation 🕕	Q Choose	0

• Name the operation and configure the following.

Disk Connector Opera	tion Disk Operation ① 🐞 Folder 🖌 Add
Options Archiving Tra	acking Caching
Connector Action	Get 🛩
File Filter	*
File Matching Type	Wildcards 🗸
Maximum Files to Read	0
Delete files after reading	
Fail <mark>if unable to delete files</mark>	

• **File Filter**: Read-only files with a file name that matches the file filter. Here, it will be **Twilioreq.xml**.

Options Archiving Tra	icking	Caching
Connector Action	Get v	~
File Filter	Twili	oreq.xml
File Matching Type	Wild	icards 🗸
Maximum Files to Read	0	
Delete files after reading	0	
Fail if unable to delete files		

File Matching Type:

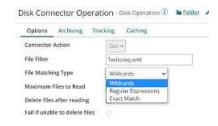
- Wildcards uses simple file filters like * and ?. * represents multiple characters and ? represents a single character.
- **Regular Expressions** can include complex regular expressions.

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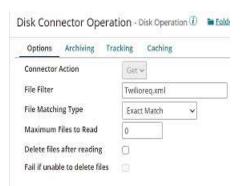
• **Exact Match** includes the filename that we are reading.



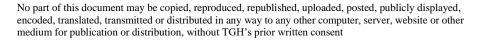
• Here, the file matching type would be **Exact Match** as we are giving the file name.

Options Archiving Tra	cking Caching
Connector Action	Get 👻
File Filter	Twilloreq.xml
File Matching Type	Exact Match 👻
Maximum Files to Read	0
Delete files after reading	0
Fail if unable to delete files	

- **Maximum files to read**: It sets the maximum number of files to be read at one time. Let it be default i.e.
- **Delete files after reading**: If we want the file to be read and deleted, we can check this option. Here, we are leaving it to default. Click save and close
- The complete disk operation looks like this,



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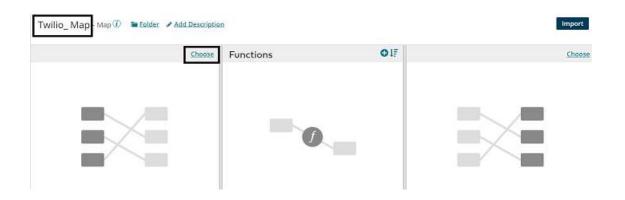




Step 15: Drag and drop the Map shape onto the process canvas. Click + and name the map.

Use maps to tr	Shape () Insform data from one format to ar nother. The Map shape references	
one prome to a	iobier, me map shape references	a preventied wap component.
Display Name	-	
Мар	Q Choose	0

• Add source side and Destination side profiles to the map. Here, the source side would be the XML profile coming from the Disk and the Destination side would be the Twilio SMS Message CREATE Request XML Profile. First, we will add a Source profile. Click choose and select the folder where we saved the profile.



• Here, the Profile Type will be XML and click on Create New Profile.



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• Name the profile and click on import.

ML_Message_Req_Profi	e - XML Profile 🕖 🐞 Folder 🖌 Add Description	
	Getting Started	Ű
	XML Profiles	
	XML profiles represent the structure of the various XML documents	

• Choose the file from the directory where we have saved the file. Click on Next.

IL Import Wizard			
Build XML Profile from	XML File	v	
Select File To Upload*	Choose a File	Twilioreq.xml	

• We see that the profile is imported. Click Finish.



• The request profile looks like this,

XML_Message_Req_Profile - XML Profile G



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Step 16: Now, add the destination profile. Click choose on the right side as shown.

XML Message Reg Profile	Functions	O IF Choo
Filter Q. Search for field		
a 🚜 🛩 Request		Δ Δ
From		
🔮 🕶 To		
🗑 🕶 Message		
	NA	Mar Destination
	Map Functions	Map Destination
	Add one or more map functions to tran	sform Choose the destination profile for your map.
	data between its source and dortland	Maria III

• Profile Type will be XML and choose Twilio SMS Message CREATE Request profile which we have imported in the previous steps. Click ok.

Profile Type	XML 🐱 🖺 Create New Profile	
Profiles		.e
	😑 📢 Integration with Twilio	ľ
	He Twillo SMS Message CREATE Request	

• We see that source and destination profiles have been imported. Provide one-to-one mapping from source to destination i.e. From □ From, To □ To and Message □ Body. Click Save and close.

XML Message Reg Profile Choose	Functions	Ol₹	Twilio S	MS Message CREATE Request Choose
Filter Q. Search for field			Filter Q. Search for field	
😑 🚜 🕶 Request				SMSMessage 🛩 🚜 👳
· From				Body 🔻 😻
¥ *To	Taning and the second se			AccountSid 👻 😻
Message				Tó 👻 🔮
				ApplicationSid 🖛 😨
				StatusCallback 🐨 🤪
				-From 💌 🐨

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Step 17: Drag and drop the stop shape onto the process canvas to indicate the end of the flow.



Step 18: Arrange all the shapes in an order and test them by configuring the local atom.

Q Search shapes		Configure	Copy Remove			1
Image: Set Properties Image: Set Properties	Start - No Data	0	Disk File Read Connection Disk Connector Operation	ofto_ Map	Twillo Twillo Connection Twillo Connector Operation	End an continu
			local_atom Test Extensions In Test Cancel			

Step 19: We see that the process has been executed. Click on view source to see the output.

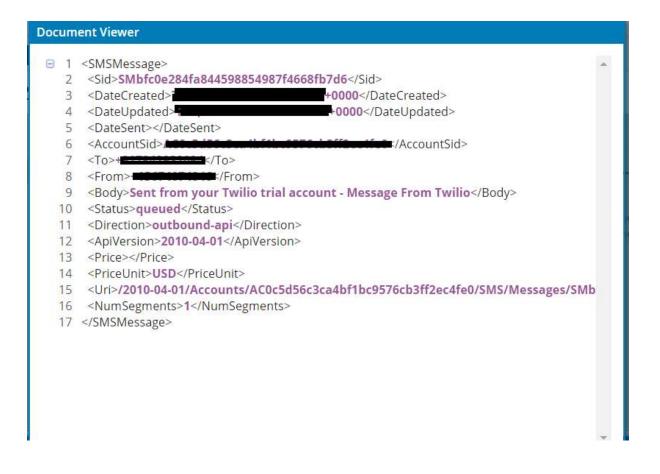
ation_with_Twilio 👻			
Disk File Read Connection Disk Connector Operation	Twillo, Map	Twillo Twillo Connection Twillo Connector Operation	End and continue
Logs Shape Source Data View Source Size (kB)	-	Test Results	_
	Disk File Read Connection Disk Connector Operation	Disk Disk Connection Disk Connector Operation	Disk Disk Connector Disk Connector Operation Twillo Connector Operation Twillo Connector Operation Twillo Connector Operation

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Step 20: Once, we open the document, this is how the file looks like



Step 21: This is the message which we have received on mobile once the process gets executed.

Sent from your Twilio trial account - Message From Twilio

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