

360 SMS APP

Sending SMS through Flows



360 DEGREE CLOUD TECHNOLOGIES PVT. LTD.

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Sending SMS Through Flows Basics

Salesforce Flows provide a code-free approach for effectively managing the triggering of Outbound Text Messages and handling Incoming Messages based on Keywords or other criteria. It offers the flexibility to trigger actions on any Object within the Salesforce platform.

Lead/Contact: These are commonly used scenarios where Outbound SMS messages are triggered when leads/Contact are created or when specific fields undergo changes.

Custom Objects: Similar to Lead/Contact cases, 360 SMS supports triggered messages from any custom Object. Its SMS Templates and iTexts are compatible with all custom Objects.

SMS_History: This is particularly valuable for handling incoming SMS messages. It allows you to read the message and take subsequent actions based on the content, such as updating the corresponding Salesforce record or sending out additional questions. This functionality is useful for conducting iTexts, where a reply of "INTERESTED" or "NO" can trigger updates to fields or statuses in the associated Salesforce record.

To trigger a message, you only need to configure a few straightforward settings:

For immediate action, set "Create a Record" to "Scheduled SMS" and then specify the following parameters either through Flow:

Please note that only the parameters listed below are allowed. It's important to emphasize that setting the "OWNER" or "Message_Text" fields is not possible, despite them being exposed in the Scheduled SMS Object. However, it allows for providing a custom string while requiring the use of either an SMS_Template_Id or a Question_Id.

To Create the Flow follow the below steps:

Go to Setup>> Search for "Flows" on Quick Action>> Click on "New Flow" >> Choose the Flow Type>> And here you go, you can create the flow now as per the requirement

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| *• 🖿 🗠 ? 🏟 😤 🐻 | Setup Home Object |
|-------------------|------------------------------------------------------------------|
| Setup 🗗 | Q Flows ✓ Process Automation |
| Service Setup | Flows V Identity |
| Your Account | Login Flows |
| Developer Console | Didn't find what you're looking for? Try using Global Search. |
| | |

Fig: 1 Setup Option and Flow in Quick search





| | | | New Flow | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Core All | + Templates | | | A |
| Ţ | Screen Flow Guides users through a business process that's launched from Lightning pages, Experience Cloud sites, quick actions, and more. | | Record-Triggered Flow Launches when a record is created, updated, or deleted. This autolaunched flow runs in the background. | |
| 0 | Schedule-Triggered Flow Launches at a specified time and frequency for each record in a batch. This autolaunched flow runs in the background. | C. | Platform Event—Triggered Flow Launches when a platform event message is received. This autolaunched flow runs in the background. | |
| * | Autolaunched Flow (No Trigger) Launches when invoked by Apex, processes, REST API, and more. This autolaunched flow runs in the background. | د و/م | Record-Triggered Orchestration Launches when a record is created or updated. An orchestration lets you create a multi-step, multi-user process. | |
| | | | | Create |

Fig: 3 Flow type

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| Configure Start | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Select Object | i i i |
| Select the object whose records trigger the flow when they're created, updated, or deleted. | |
| * Object | |
| Lead | |
| Configure Trigger | |
| * Trigger the Flow When: | |
| A record is created | |
| A record is updated | |
| A record is created or updated | |
| A record is deleted | |
| Set Entry Conditions | |
| Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources. | |
| | Cancel Done |
| Fig: 4 Configure a flow | |

| | Configure Start | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|----------|
| Set Entry Conditions | | | ^ |
| Specify entry conditions to reduce the number of records that trigger the flow and the executions helps to conserve your org's resources. | number of times the flow is executed | d. Minimizing unnecessary flow | |
| If you create a flow that's triggered when a record is updated, we recommend first defi meet the condition requirements option for When to Run the Flow for Updated Reco | | e Only when a record is updated to | |
| Condition Requirements | | | |
| All Conditions Are Met (AND) | | | |
| | | | |
| Field | Operator | Value | |
| MobilePhone | Is Null 🔻 | ● False × | |
| + Add Condition | | | |
| When to Run the Flow for Updated Records | | | |
| Every time a record is updated and meets the condition requirements | | | |
| Only when a record is updated to meet the condition requirements | | | - |
| | | Cancel | Done |

Fig: 4.1 Set entry conditions

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| When to Run the Flow for Updated Records ① Every time a record is updated and meets the condition requirements Only when a record is updated to meet the condition requirements | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| * Optimize the Flow for: | | |
| Fast Field Updates Update fields on the record that triggers the flow to run. This high-performance flow runs <i>before</i> the record is saved to the database. | Actions and Related Records Update any record and perform actions, like send an email. This more flexible flow runs <i>after</i> the record is saved to the database. | |
| Include a Run Asynchronously path to access an external system af | ter the original transaction for the triggering record is successfully committed | |
| | | Cancel Done |

Fig: 4.2 other setup for initial step in flow

| Edit Create Records | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Create Salesforce records using values from the flow. Send SMS (Send_SMS) | Î |
| How Many Records to Create One Multiple How to Set the Record Fields Use all values from a record Use separate resources, and literal values | |
| Create a Record of This Object *Object Scheduled SMS Set Field Values for the Scheduled SMS | |
| | one |

Fig: 5 create records in flow

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| Edit | Cre | ate Records | | |
|----------------------------------------|----------|------------------------------|----------|---|
| Set Field Values for the Scheduled SMS | | | | |
| Field | | Value | | |
| Name | } ← | Aa \$Record > Lead ID × | â | |
| Field | | Value | | |
| tdc_tswPhone_Apic | ← | Aa \$Record > Mobile Phone X | â | |
| Field | | Value | | |
| tdc_tswRelated_Object_Idc | ← | Aa \$Record > Lead ID X | a | |
| Field | َ ١ | Value | | |
| tdc_tswSMS_Templatec | ~ | a0C5g00000CnA24EAF | â | |
| Field | | Value | | |
| tdc_tswSender_Numberc | ← | 16402082040 | | |
| Field | | Value | | |
| tdc_tswChannelc | ← | SMS | â | + |
| | , | Cancel | Done | |

Fig: 5.1 The process of sending an SMS requires six essential fields. Additionally, there is an option to set the QUESTION field, which serves as the initial inquiry for the 360 SMS iText Object. When the QUESTION field is configured, it automatically triggers a Question/Answer iText sequence.

- Scheduled SMS Name: The ID field of the triggered Object/record must be provided. It should match with the SMS Template based on the Object to enable merging. For example, if you supply a Contact.Id, you should use a matching SMS Template based on the Contact Object.
- **Related Object Id:** Set the Related Object Id to either Lead.Id or Contact.Id. Additionally, you can set it to other Objects to gain visibility into the text conversations. For instance, setting it to an Account ID will attach the SMS History there. However, this approach will not set the SMS_History.Contact_Id.
- **Phone Api:** Provide the API Name of the phone field to which you want to send the message. It can be a string like "MobilePhone" or "Mobile_Phone c" (for a custom field), or you can reference the actual phone value from the record, such as Lead.MobileNumber. Alternatively, you can pull the value from

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the Incoming SMS SENDER_NUMBER, set it with a formula, or use User.MobileNumber for sending SMS to employees.

- When utilizing the Scheduled Time field to schedule the SMS, we highly recommend using the Field Name for the PhoneAPI value instead of the Field Reference. This is because the application will dynamically retrieve the phone value at the time of firing. If you explicitly set the value through Field Reference and the MobilePhone field is empty at that time, your SMS will not be triggered, even if you have set a value. Additionally, if the MobilePhone field changes between the scheduling of the message and its sending, the old value will be used. Therefore, to ensure the accurate and timely sending of SMS, it is advisable to use the Field Name for PhoneAPI value.
- **SMS Template:** Specify the ID of the template that you wish to use. You can obtain this ID from the template's URL.
- Alternatively, you can use a reference field like Contact.SMS_Template (if you have set up an SMS Template ID on your Contact). Please refer to the "Create a Master Send SMS Handler" section for more details.

| ← → | e e | 360degreecl | oud8.lightning | .force.com/lightni | ng/r/tdc_tswM | essage_Templ | ate_c/ <mark>a0C5g00000Cq</mark> | BEKEA3 view |
|----------|------------------|-------------------------------|----------------|--------------------|-------------------------------|--------------|----------------------------------|-------------------|
| Q Search | | | | | | | | |
| | 360 SM | IS Home | Contacts 🗸 | SMS History | SMS Setup | Leads 🗸 | SMS Template 🗸 🗸 | Drip Executions 🗸 |
| | SMS Tem Welco | ^{plate} me Messag | je | | | | | |
| Re | lated | Details | | | A | | init and the second | |

Fig:6 Template ID

Another way to create record trigger flow

The initial steps are the same as above to create a record trigger flow. However, in this method, we will not use "param"; instead, we can use toggles. We will add an action and, upon navigating to the action, perform a search. In the Apex application, the client must fill in the required details (as shown in figure). Moreover, they can select options from the toggle based on their specific requirements.

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Click to "Add" button and select "Action" in flow

| Run Immediately | | |
|---------------------------|---|---|
| Add Element | | |
| Search | |] |
| Shortcuts | | ^ |
| Dupdate Triggering Record | 0 | |
| Dpdate Related Records | | |
| Send Email Alert | | |
| Interaction | | |
| 4 Action | 0 | |
| Subflow | | • |

Fig:7 add "Action" in flow

Fill the required details (as shown in figure):

| | Edit Apex Action | |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| | alues from earlier in the flow to set the inputs for the "Send Message/VoiceDrop By Apex" Apex action. To use its outputs later in the store them in variables. | Î |
| Send | SMS From Flow (Send_SMS_From_Flow) | |
| Set Ir | nput Values for the Selected Action | |
| Aa | *Channel | |
| | SMS | I |
| Aa | * Phone Api/Phone Number | I |
| | MobilePhone | ł |
| Aa | *Record Id 🔘 | |
| | {!\$Record.ld} | |
| Aa | *Template Id/Text | |
| | Hello World! | + |
| | Cancel Done | |

Fig: 8 Apex Action- fill the required details

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| | Edit Apex Action | |
|----------------|---------------------------------|----|
| | MobilePhone | • |
| A _a | * Record Id (\$Record.Id) | |
| A _a | * Template Id/Text | |
| ^a | Document Id/Attachment Id | 1 |
| ۸a | Owner Id Don't Include | |
| ۸a | Related Object Id Don't Include | |
| A _a | Sender Number Don't Include | • |
| | Cancel Do | ne |

Fig:9 Use toggles for more customisation

• **Question**: Instead of setting an SMS Template, you have the option to set the Question field. The QuestionId corresponds to the first question of a 360 SMS iText. By doing so, the first question of the iText will be triggered, and subsequent responses will be automatically handled. We strongly encourage the utilization of the iText Object as it enables automatic handling of responses, which is particularly valuable since most outbound SMS messages are likely to generate a response.

| RealEstate Industry | | iText List Create New iText |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------|
| Survey: RealEstate Industry Brief Description: RealEstate Industry | Keyword(s) (): Query Active | Object: Contact Edit Copy question id |
| Question: Hi, do you need property? We have some best and most luxury properties which are in good locality. if you are interested then please reply with "Yes" otherwise reply with "No" | Label: Asking for property | + Answer 💉 🏦 🗐 |

Fig: 10 Obtain the question Id from the first question of a iText

• **Sender Number:** Specify the Sender Number, which is the number from which you are sending the message. You can also use a referenced field like

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Lead.Owner.Phone to send from different salespeople, or a formula to assign different numbers based on geographies. If your organization has only one outbound number, this field is optional and can be left empty.

The sender number must always be in the format CountryCode+Number, without any formatting or special characters. For example, 17206050632. When dynamically setting the Sender Number, such as from Contact.Owner.Phone or from the Incoming SMS_History.To_Number, you can use the following valuable formula to remove all characters: [provide the formula].

Fig: 11 Useful formula for reducing a number to 17206050632 format

- We suggest utilizing the Sticky_Sender c field, which is a custom formula field recognized by the Send SMS buttons and Conversation View. It overrides the user's Default SMS Number with the formula value, ensuring that the number "sticks" to the record. This way, the customer always receives SMS from the same number.
- The formula field enables the definition of custom business logic for record-based sender numbers, guaranteeing consistent SMS delivery from the same number.
- This feature is particularly beneficial for geography-based solutions (such as differentiating between USA and UK numbers) or when each Record.Owner requires their own sender number.

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• Sticky_Sender is especially useful for Batch Texting so a marketing user can batch text many customers across many numbers.

| | | Create I | Message | |
|---------------------|--------------|----------|---------|-----|
| Send To (Selected C | contact: 3) | | | 0 |
| S.No | Full Name | | | |
| 1 | Jon Amos | | | |
| 2 | Alice Walkar | | | |
| 3 | Alex Hume | | | |
| | | | | |
| Sender Phone | | | Send To | |
| Sticky Number | | Ť | | Mob |
| | | | | |

Fig: 12 Sticky sender

Scheduled Time: The scheduled time field can optionally be set. If a value is provided (usually with a formula), then instead of the SMS going out immediately it creates the Scheduled SMS row as a related list item and fires the message at the allotted time.

a. When utilizing this functionality, it is essential to configure the Lookup field of the relevant Object under which the Related List should be displayed, such as Contact or Lead. It's important to note that setting the Related Object field is distinct from setting ContactId or LeadId, as this field serves a different purpose.

b. Typically, you would employ formulas like the following examples. Keep in mind that Salesforce date math operates in DAYS, so if you need to work with minutes and hours, you may need to look up the appropriate syntax.

i. NOW() + 1 /* Represents the same time as today plus 1 day, i.e., tomorrow /

ii. NOW() + (1/24) / Denotes 1 hour from the current time /

iii. NOW() + (10/60/24) / Indicates 10 minutes from the current time */

iv. Specifying a specific time of day can be challenging due to Salesforce storing time in Greenwich Mean Time (GMT). To account for this, you must adjust the time accordingly. For instance, if you want to schedule a Happy Birthday SMS to go out

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at 9:00 am Mountain Time, which is -7 hrs from GMT, you would set the time as 16:00:00 GMT.

```
/* Schedule Birthday wish for this yr 16:00 GMT = 9:00 MDT */
/* DateTime has to be in format: YYYY-MM-DD HH:MM:SS */
DATETIMEVALUE( TEXT(YEAR(TODAY())) & "-" &
        TEXT(MONTH([Contact].Birthdate )) & "-" &
        TEXT(DAY([Contact].Birthdate)) & " 16:00:00"
```

Relating Outbound SMS to an Alternate Object

The Related Object Id serves a specific purpose for Method #1, providing interesting applications when there's a need to associate a message with an Object other than its point of initiation or its template's source. This functionality is particularly valuable when handling replies that return to the related Object. Several use cases demonstrate its usefulness:

It allows linking a message to the parent CONTACT Object when the message originates from a Salesforce EVENT or another child Object, like event reminders. Messages triggered from an Opportunity can be linked to a primary Contact or Account.

A significant application is directing messages to internal users. In this scenario, the Related Object Id is used to link the message to the USER Object rather than the main Object. This ensures that internal notifications do not appear in the Contact/Lead SMS History and avoid confusion as if the message was sent to the customer.

For a technique called "Roll-up SMS Conversations to Parent Objects," refer to the related section. This technique enables SMS to be sent from the child Object but also includes a flow to set the parent Contact and/or Account Object IDs.

Here's an illustrative example: when a new Lead is created from the Web Site, it triggers an internal user notification SMS. The Phone API is pulled from **Lead.Owner.User.MobilePhone**, and the Related Object Id is set to **Lead.OwnerId**. This approach allows using a template based on the Lead Object, providing Lead.Owner with the lead details while preventing the SMS History from appearing under the Lead itself.

It's important to note that the SMS Template's Object must match the Object of the ID provided in the Scheduled SMS Name field, and it is unrelated to the Related Object Id.

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| Edit | Cre | ate Records | | |
|---------------------------------------|-----|----------------------------------------------------------|------|---|
| Field tdc_tswChannelc | ← | Value SMS | | • |
| Field tdc_tswPhone_Apic | • | Value Aa \$Record > Owner ID (User) > Mobile X | 1 |] |
| Field tdc_tsw_Related_Object_Idc | • | Value Aa SRecord > Lead ID × | | |
| Field tdc_tswSMS_Templatec | } ← | Value a0C5g00000CnA24EAF | • | Ì |
| Field tdc_tswSender_Numberc | } ← | Value 16402082040 | | l |
| + Add Field Manually assign variables | | | | Ŧ |
| | | Cancel | Done | |

Fig: 13 A standard internal alert is sent to an employee via SMS, but the trigger originates from the creation of a Lead.

Method #2 – Apex Class

360 SMS offers two Apex classes that can be utilized either in Flows or trigger code. One class is dedicated to sending regular SMS, while the other is designed for sending MMS, allowing you to include a picture or file as a parameter.

To use these Apex classes, you pass parameters in a comma-separated string to the "param" field of the class, which offers the convenience of copying and pasting into complex workflows. An advantage of this method is that Salesforce permits comments in formula fields, using the /* some comment */ syntax, so it is strongly recommended to include comments in your formulas.

For the regular Send SMS From Flows Apex Class, the string of parameters is defined as follows:

Param1: The Id of the primary Object from which you are triggering the SMS. This Id must match your Template Object, and it will be the main Object linked to the outbound SMS.

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Param2: The API name of the phone field for that Object, or it can be any value that results in a valid phone number.

Param3: This parameter can accept one of the following options:

SMS TemplateId: Use a Template Id obtained from the URL of an SMS Template. The Object of the Template must match the Object defined in Param1.

QuestionId: Utilize a Question Id, typically associated with the first Question of an iText. This will trigger iText question #1, and all responses will be automatically handled.

String: If you prefer not to use templates and require a simple SMS message, you can pass a string in this parameter. The string also supports merge tags, allowing you to personalize the message. For example: 'Okay {Contact.firstname} – this is a message without a template'.

Param4: The outbound phone number. If left blank, the default phone number for the organization will be used, or the first phone number found in the 360 SMS User Configuration tables for the current user will be utilized.

| | | New Resource | | | | |
|-------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|---|--------------------|------|---|
| Description | | | | | | 1 |
| | | | | | li | |
| * Data Type Text | | • | | | | |
| *Formula | Q All Functions | Insert a function | ٩ | Select an Operator | • | |
| {!\$ <u>Record.ld</u> } & ',' & {!\$Record.MobilePhone} & ',' & 'a045g000006nXcm' & ',' & | | | | | | |
| '12016137191' | | | | | li. | |
| | | | | Cancel | Done | |

Flg:14 Send SMS through Apex class

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| | New Action | |
|---------------|----------------------------------------------------------------------------------------------------------|--------------------|
| Filter By | Action | |
| Category 💌 | Send SMS From Process Builde | r |
| All | Use values from earlier in the flow to set the inp Apex action. To use its outputs later in the flow, | |
| Users | *Label | *API Name |
| Group | Send SMS from Apex | Send_SMS_from_Apex |
| Work Plans | Description | |
| Work Steps | | |
| Notifications | | 1) |
| Sales leads | Set Input Values | |
| Work | A _a param | Include |
| Task | {!fParam} | |
| | | Cancel Done |

Flg:14.1 Send SMS through Apex class

Below are a couple of code snippets for easy copy/pasting

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Method #3 – Apex Triggers

For more advanced developers who favor using APEX Triggers instead of Flows, you can easily invoke the APEX class named tdc_tsw.GlobalSMSSender.sendSmsWithPhoneAPiAndTemplateId from your code.

This class requires three parameters:

- **Mobile Phone Field:** Refers to the field where the contact's phone number is stored, for instance, objContact.MobilePhone.
- **Template Id:** Corresponds to the TemplateId mentioned in the methods described earlier, like 'a022800000Pj0Ia'.
- **Object Id:** Represents the ID of the record to which the SMS is being sent, such as objContact.id.

Below is a sample trigger for the CONTACT Object:

Trigger (for Contact Object)

trigger ContactTrigger on Contact (after insert) { if(trigger.isAfter && trigger.isInsert) {

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ContactTriggerHandler.onAfterInsertContact(trigger.new); } } **Apex Class** public class ContactTriggerHandler { public static String onAfterInsertContact(List<Contact> IstContact) { String result; if(lstContact.size() > 0) { for(Contact objContact : IstContact) { if(objContact.MobilePhone != null) { { try tdc tsw.GlobalSMSSender.sendSmsWithPhoneAPiAndTemplateId(objContact.MobilePhone, 'a022800000Pj0Ia', objContact.id); result = 'Success'; } catch(Exception e) { result = 'failure'; } } } } return result; } }

Note that there are other APEX methods available as well which are intuitively *named:*

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| Apex Class Detail | Security |
|-----------------------------------------------------------------------|------------------------------------------------------------|
| Name | GlobalSMSSender |
| Namespace Prefix | tdc_tsw |
| Last Modified By | Jason Lari , 4/23/2019 6:34 PM |
| Class Summary Version Settings Trace Flags | |
| /ersion: 1.142 V | |
| global class GlobalSMSSender wailable in Versions: 1.122 - Current | |
| Properties (3) | |
| Name | |
| static Boolean isEnableDarkHour | |
| static Boolean isSyncCall | |
| static String senderNumber | |
| Constructors (1) | |
| Signature | |
| GlobalSMSSender() | |
| Methods (7) | |
| Signature | |
| static void sendSmsFromProcessBuilder(List paran | n) |
| static void sendSmsToEvent(String phoneApi, String | templateld, String eventId, String relatedRecordId) |
| static void sendSmsWithPhoneAPiAndMessageText | (String phoneApi, String messageText, String recordId) |
| static void sendSmsWithPhoneAPIAndTemplateId(S | tring phoneApi, String templateld, String recordId) |
| static void sendSmsWithPhoneNumberAndMessag | eText(String phone, String messageText, String recordId) |
| static void sendSmsWithPhoneNumberAndTemplat | eld(String phone, String templateld, String recordId) |
| static void sendSyncSmsWithPhoneNumberAndTen | nplateld(String phone, String templateld, String recordId) |
| | |

Fig: 15 Additional APEX methods that be called via APEX code

Send MMS Via Flows:

MMS, short for Multimedia Messaging Service, refers to the transmission or reception of pictures within a text message. The set of parameters for MMS is explained below:

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Param1: This is the ID of the primary Object that triggers the MMS. It must match your Template Object and will be the main Object associated with the outgoing SMS.

Param2: The API name of the phone field for the aforementioned Object.

- **Param3:** This parameter offers three options:
- **SMS TemplateId:** Utilize a Template Id obtained from the URL of an SMS Template. The Object of the Template must match the Object defined in Param1.
- **QuestionId:** Use a Question Id, typically linked to the first Question of an iText. This will trigger iText question #1, and all responses will be automatically managed.
- String: If you prefer not to use templates and require a straightforward SMS message, you can pass a string in this parameter. The string also supports merge tags, allowing you to personalize the message. For example: 'Okay {Contact.firstname} – this is a message without a template.'
- **Param4**: An optional Document ID that represents the picture or file to be sent along with the MMS.
- **Param5**: An optional originating phone number. If left blank, it will use the default phone number for the organization or the first phone number found in the 360 SMS User Configuration tables for the current user.

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| From: +13156442388 | | Ś | Yes, indeed! To RSVP for t and get event details, rep "PICNIC." By: Thomas Leo From: 19789991736 | |
|----------------------------------------------|---------------|---|--------------------------------------------------------------------------------------------------------------|------------------|
| PICNIC To: Thomas Leo To: +19789991736 | ★ 03:14 PM | | | To: Mobile Phone |
| | | * | Fantastic! We're thrilled ye preview, check out the att | |
| 👫 🇱 🖹 😎 Type a message | e here | | | |

Fig: 16 MMS functionality using the keyword "PICNIC," which sends a picture of picnic invitation card

Figure 13.1 Also demonstrates a completely dynamic solution where the picture is derived by navigating to a custom field on the User record via SMS_History.Owner and the outbound phone number is also gathered from the User record. Most of the time you will be dynamically setting the Pictures and Outbound Number.

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| | Edit Crea | ate Records | | |
|---------------------------|-----------|------------------------------------------|----------|---|
| Field | | Value | | • |
| Name | ← | A _a \$Record > Lead ID × | | |
| Field | | Value | | |
| tdc_tswChannelc | ~ | WhatsApp | a | |
| Field | | Value | | |
| tdc_tswDocument_Idc | ← | 0155g000000WBLWAA4 | 6 | |
| | | Value | | I |
| Field | | | | I |
| tdc_tswMessage_Textc | ← | A_a \$Record > Description × | ₫ | I |
| Field | | Value | | I |
| tdc_tswPhone_Apic | ← | Aa \$Record > Owner ID (User) > Mobile × | | ľ |
| Field | | Value | | |
| tdc_tswRelated_Object_Idc | ← | A _a \$Record > Lead ID × | 6 | |
| | | | | |
| | | Cancel | Done | |

Fig: 17 In order to send an MMS through Salesforce flows, it is usually necessary to have a document ID, and the document itself must be stored in the Document Object within Salesforce.

Dynamic Sender Number

Regardless of the chosen method, developers often aim to set the outbound Sender Number dynamically to ensure a consistent customer experience with a single phone number. This is particularly relevant for organizations using multiple sender numbers.

The Sender Number must always adhere to the format CountryCode+Number, without any formatting or special characters, for example, 17206050632. To achieve this, when dynamically setting the Sender Number, like extracting it from Contact.Owner.Phone or Incoming SMS_History.To_Number, use this valuable formula to strip out all the characters

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```
SUBSTITUTE( SUBSTITUTE(
SUBSTITUTE( Owner.Phone , "(",""),
")",""),
" ",""),
"-",""),
"+",""),
".","")
```



There are four common use cases:

- Record Based Sender Number assign a specific sender number based on business logic such that all SMS to that Contact or Lead always comes from a single sender number whether that be Record.Owner based, Geography based or defined by other business logic.
- 2. **Dynamically set the Sender Number based on record owner** pulling from the

<record>.Owner's designated SMS number.

- 3. **Dynamically set the Sender Number based on geography** or some other business logic.
- 4. Automatically replying to an incoming SMS using the number which the customer wrote to, the To_Number for an SMS_History of type = Incoming (API name: tdc tsw_ToNumber_c)
- a. Note that the 360SMS iText tool does this automatically always responding to the original number that the customer wrote to.

Record based Sender Number (Sticky Sender)

360 SMS provides the flexibility to create a custom field named Sticky_Sender c (the label can be customized according to preference). This custom formula field can hold any desired business logic, such as Geography-Based numbers, Marketing Campaign Based Numbers, Record.Owner based numbers, or even the Last SMS number used for the contact. The purpose is to allow the definition of various business rules as needed.

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Once this field is created, all interface elements of the platform, including Buttons and Conversation View, will recognize Sticky_Sender and override the current user's Default SMS Number. Instead, they will offer this custom field as the default Sender Number. For example, a marketing user may wish to select a large list of contacts for batch SMS but wants the Sender Number to be the one that the customer has previously received messages from, such as the [Record].Owner's sender number. This level of customization empowers users to tailor their messaging approach to suit specific scenarios.

| | | Create N | Message | |
|-------------------|--------------|----------|---------|---|
| Send To (Selected | Contact: 3) | | | |
| S.No | Full Name | | | |
| 1 | Jon Amos | | | |
| 2 | Alice Walkar | | | |
| 3 | Alex Hume | | | |
| Sender Phone | | | Send To | |
| Sticky Number | | - | | 1 |

Fig: 19 Once a sticky sender formula field is defined, it will automatically serve as the default Sender Phone for batch, single, and conversation view.

Programmatically, one references the Sticky Sender number field to make sure messages are coming from the correct number and to concentrate the business logic in the formula field.

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| Scheduled SMS | • | | |
|--------------------|---|-------------------|-------------------------|
| et Field Values | | | |
| Field * | | Type* | Value* |
| Scheduled Sms Name | • | Field Reference 🔻 | [Contact].ld Q |
| Phone Api | - | String • | MobilePhone |
| Related Object Id | - | Field Reference 🔻 | [Contact].ld Q |
| SMS Template | • | ID 🔹 | a0C5g00000CqBEKEA3 |
| Sender Number | • | Field Reference 🔻 | [Contact].Sticky_Send.Q |

Fig: 20 Employ the sticky sender field to maintain a consistent Sender Number and centralize your business logic within the formula field.

Dynamic Sender Number – Record Owner

Many organizations use different numbers for each user, mainly for voice call forwarding scenarios. The mapping of Users to Numbers is established in the SMS Setup à User Configuration, which, unfortunately, is not accessible via flows. However, you can easily customize your USER Object to enable flows to dynamically obtain the Outbound SMS Sender Number parameter available in both methods as an optional parameter.

To achieve this, create a custom text field named something like User.SMS_Number. Then, copy the number associated with each user into this field. Take caution when using the standard User.MobilePhone or Phone field, as Salesforce formats these numbers, such as (720)605-0632. The number should be completely unformatted, with the country code prefix, i.e., 17206050632.

Now, you can navigate to the User table, such as Lead.Owner/Contact.Owner, and retrieve the number from your custom field. Alternatively, define this logic in a Sticky_Sender c formula field as either Owner.SMS_Number c or use the provided formula below, which ensures the removal of various phone formatting characters.

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Dynamic Sender Number – Geography or Business Rule Based

In larger organizations with diverse geographies or complex business rules, it is highly desirable, and sometimes even mandatory, to use specific sender numbers. When dealing with multiple countries, it becomes necessary to employ a sender number that aligns with the country of the recipient. Here are three solutions to address this:

Use the Sticky Sender custom formula field, as explained earlier.

Leverage the 360 SMS Co-Pilot feature, which employs its Area Code/Country Code picker to dynamically select the sender number. This can be done if you have purchased a matching Area Code or Country Code number in your pool. For more information on Co-Pilot, you can refer to the linked document: Batch Texting - Auto-Routing.

Utilize the formula editor in flows to incorporate your business logic for the Sender Number. However, it is advised to now place your logic in the Sticky Sender formula field rather than defining it in the flows' Dynamic Sender Number – Incoming SMS.

Another common scenario involves dynamically setting the SMS Number parameter based on the Incoming Message. This is frequently used when responding to Keywords. In this case, there is no need to look up the number from a user table; instead, you can retrieve it directly from the SMS_History.To_Number field (the number that the customer wrote to). Be cautious, though, as the value will have a "+" character in front of it, which is not valid for an outbound number. You must use the SUBSTITUTE function, as shown below, to remove the "+" character. The formula is provided below for easy copy/pasting.

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| /********* Paramete | ers Defined | ************************************** | | | |
|------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Param1: | Param1: Id of the primary Object - pulled from SMS_History.ContactId | | | | |
| Param2: | Param2: The API name of the phone field for the contact Object. | | | | |
| Param3: | am3: Can be a TemplateId, QuestionId(first Question of a iText) or straight text if you | | | | |
| | don't war | nt to use a Template or Question | | | |
| | Param4: | Outgoing Phone # - pulled from Inbound SMS_History.To_Number but we have to remove the + that is inherent with inbound numbers | | | |
| | | acement of the commas | | | |
| [tdc_tsw_ | [tdc_tsw_Message_c].tdc_tsw_Contact_c & ',' & | | | | |
| 'MobilePl | none' & ',' 8 | | | | |
| 'a08f40000Dfo3fAA | | | | | |
| B' & ',' & | | | | | |
| <mark>SUBSTIT</mark> | SUBSTITUTE([tdc_tsw_Message_c].tdc_tsw_ToNumber_c,'+', ") | | | | |

Dynamic MMS – such as sending a picture of a particular user

Similar to implementing a dynamic Sender Number, it is possible to create a custom field on the User record to store the Document Id of a previously uploaded picture.

In this instance, let's consider an example where we uploaded a picture to the Salesforce Document Object. Afterward, we manually copied and pasted the actual ID of the picture into a custom field named User.Picture_Doc_Id. The Document Id was obtained from the URL when we accessed the picture.

For ease of copy/pasting the code for the Dynamic MMS has been provided below.

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| /************************************* |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters Defined: Param1: Id of the primary Object - pulled from SMS_History.ContactId Param2: The API name of the phone field for that Object. Param3: Template Id: a08f400000DfIORAAZ = Contact - Event Reminder Param4: Document Id pulled from the Owner.Picture_Doc_Id field |
| Param5: Optional Outgoing Phone # - pulled from Contact.Owner> User.SMS_Number (custom) |
| Carefully note the placement of the commas |
| *************************************** |
| [tdc_tsw_Message_c].tdc_tsw_Contact_c & ',' & 'MobilePhone' & ',' & |
| 'a08f40000DflORAAZ' & ',' & |
| [tdc_tsw_Message_c].tdc_tsw_Contact_c.Owner.Picture_Doc_Id_c & ',' & [tdc_tsw Message_c].tdc_tsw_Contact_c.Owner.SMS_Number_c |

Dark Hours

360SMS includes a feature called Dark Hours, which, when activated, postpones the firing of any Triggered or Scheduled SMS messages until the designated "Sending time/Next Day." As shown in the screen capture below, any messages triggered between 4:00 PM and 6:00 AM will be held back and delivered at 6:00 AM on the following day.

| Enable Dark Hour | |
|------------------------------------|-----------|
| Enable dark hour for automation: 🥹 | |
| Starting time: 🥹 | 9:00 PM 🗸 |
| Ending time: 🥹 | 8:00 AM 🗸 |
| Sending time(Next day): 🥹 | 9:00 AM 🗸 |

Fig: 21 With Dark Hours enabled, any triggered messages will be scheduled to be sent on the following day at the specified time

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In technical terms, if a process initiates the sending of an SMS during the dark hour period, it will generate a Scheduled SMS related list record, as depicted below, with the Schedule Date/Time feature. Subsequently, the Scheduled SMS will be executed on the following day at the specified start time.

| Scheduled SMS | (2) | | | New |
|--------------------|---------------------|----------|-------------|-----|
| Scheduled Sms Name | Scheduled Time | isSent | Owner Alias | |
| 0035g00000tlPs0AAG | 3/31/2023, 10:11 PM | * | ymule | |
| 0035g00000tlPs0AAG | 7/25/2023, 9:00 PM | | ashar | |
| | | View All | | |

Fig: 22 - When Triggered SMS occurs during dark hours, it generates a Scheduled SMS record, and the Scheduled Time will be set to the sending time on the next day.

Roll-up SMS Conversations to Parent Objects

A recommended best practice in CRM involves ensuring that when sending text messages, whether done manually or through automation, from a child Object, the SMS should also be visible on the parent CONTACT Object. Similarly, if texting is initiated from the Contact, the SMS should be rolled-up to the Account, allowing all conversations with various contacts to be accessible on the Account page.

For the CASE Object, any SMS linked to it is automatically rolled-up to the parent Contact. This approach ensures that when viewing the Contact record, all conversations are presented in context, relating to both the Contact and the Case. However, for other Objects, the SMS History needs to be intercepted through Flows. Subsequently, an Immediate Action should be implemented to update the SMS History and perform the roll-up. This ensures that SMS conversations are properly tracked and displayed in the relevant context across different objects within the CRM.

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| Hello To: Thomas Leo | Jon[000010 04:04 PM | ★ 王 ⑤ | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| | | | Jon 00001000 | |
| | | * © 王 | Hi there! I apologize for any incom assist you further, could you pleas your unique case number? You sho received it in the order confirmatic should look like this: 00001000 By: Thomas Leo | e provide ould have |
| Send To 🛛 🛛 🖈 I | Mobile Phone | | | |
| Image: Strain Strai | nessage here | | | |
| 🥔 🍨 You can enter | up to 1000 characters | | | |
| | | Copyright © 2016 - 2023 by 360 SMS App | | |

Fig: 23 - Automatically consolidating text messages from various cases causes the conversation to be grouped together under the corresponding contact, as demonstrated with case 00001000. We aim to replicate this feature for other child objects, allowing similar functionality for those as well.

In the following example, we have a classic child Object called Job_Listing, which acts as a child to both a Job and a Contact. This situation typically occurs when a recruiting company offers a Job_Listing, and a Contact expresses potential interest in that particular job. Recruiting firms often send batch texts or trigger texts from the Job_Listing, and they want to view all the SMS messages not only in the Job's SMS Conversation View but also from the associated Contact records. They wish to see all the Job-related texts they have sent to the Contact, similar to how it works with Cases (as shown in Figure 15).

To achieve this, we utilize a ROLL UP approach. When an incoming SMS comes in for a Contact, and we need to update Contact fields accordingly, we detect that the SMS History's primary related Object is Job_Listing. As the Job_Listing is a child of both a Job and a Contact, we update the SMS History with these values. Specifically, we set SMS_History.ContactId = Job_Listing.ContactId and SMS_History.Job = Job_Listing.JobId.

It's important to note that the platform uses the primary Related Object's NAME field for the Sender Name (the link that appears above the message and is displayed in the Incoming Alert). To ensure better practice when texting from Child Objects, we modify the Sender Name with a Flow in this scenario. For instance, it reads "Jon | SF Administrator," where "Jon" is the Contact.Name, and "SF Administrator" is the Job.Name. This modification enhances the readability and context of the Sender Name in the messaging interface.

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Create a Contact/Lead Last_SMS field

Frequently, customers want to utilize Salesforce List Views based on Contacts, Leads, or other custom Objects to determine which customers have or haven't received an SMS recently. However, due to Salesforce List Views' limitation of not allowing Cross-Object queries, and Salesforce Reports lacking a "Does Not Exist" clause, this presents a challenge.

To overcome this limitation in Salesforce, we suggest implementing a straightforward Salesforce Flow that updates a custom field, such as Contact.Last_SMS or Lead.Last_SMS, whenever an SMS History record is created. Optionally, you can differentiate between Incoming and Outgoing messages by using fields like Last_SMS_In and Last_SMS_Out, but usually, a single field is sufficient.

Create a Flow on the SMS History, like the "SMS History – Master Updater Process" mentioned in earlier sections. In this Flow, detect if the SMS History.Contact or SMS_History.Lead value is not null. If it is not null, then update the respective record's Last_SMS field with the SMS_History.Create_Date.

By implementing this Flow, you can now use the Last_SMS field in your Contact/Lead List View queries

| | Configure Start | | | | | | |
|-----------------------------------------------------|---------------------|-------------------------------|---|--|--|--|--|
| Condition Requirements All Conditions Are Met (AND) | | | | | | | |
| Field Name | Operator Equals | Value Value Incoming | â | | | | |
| AND tdc_tsw_Contact_c | Operator Is Null | Value Value Value Value Value | â | | | | |
| + Add Condition | | | | | | | |

Fig: 24 Create Contact/Lead Last SMS field

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| | Edit U | Jpd | late Red | ord | s | | | |
|----------------------------------------------------------------------------------------------------|----------|-----|----------|-----|-------------------------|--------|---------|---|
| Filter Contact Records Condition Requirements to Update Records All Conditions Are Met (AND) | | | | | | | | |
| Field | Operator | | | | Value | | | |
| Id | Equals | | | - | Aa \$Record > Contact × | | | |
| + Add Condition Set Field Values for the Contact Records | | | | | | | | - |
| Field | | | Value | | | | | |
| Date_c | | ← | fnow | × | | | Ê | |
| + Add Field | | | | | | | | v |
| | | | | | [| Cancel | Done | |

Fig: 24.1 Create Contact/Lead Last SMS field

Triggered Texting to Internal Users

Certain customers wish to leverage the effectiveness of texting to replace their old email alert systems with Text Alerts for internal users. In the following scenario, we have a use case where a New Lead text alert is sent to the Lead.Owner's mobile phone, along with a hyperlink to quickly open the Salesforce record in Salesforce1.

To achieve this, we trigger the message using the Lead.Id, enabling the use of a Lead-based template that merges lead details into the message. The key element is setting the Phone API field to extract the value from the Lead.Owner.User.MobilePhone, which ensures that the Lead details are sent to the Owner's personal cell phone.

An important consideration is to set the Related Object Id to Lead.OwnerId (representing a user id). This step ensures that the alert does not appear in the SMS History for the lead, avoiding any confusion and making it clear that this is not a message sent to the customer. By implementing these steps, users can effectively switch to text alerts and streamline their internal communication processes.

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Create a Master Send SMS Handler

If you plan on using Method #1 for various triggers, you may consider adding an SMS_Template_Id lookup field to a Lead, Contact, or any custom Object. This approach allows you to have multiple Flows that trigger outbound messages, and all you need to do is update the Contact.SMS_Template with the desired template you want to send. This centralized approach eliminates the need to repeatedly create the same Send SMS action, regardless of whether you are using Method #1 or Method #2.

However, there will be instances when you may not want to use your Master Send SMS Handler. For example, this could be the case when the outbound number needs to come from a different number or when you need to trigger an MMS. In such situations, you can opt not to utilize the Master Send SMS Handler and tailor the messaging process according to specific requirements.

| | Configure Start | | | | | |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------|----------|--|--|
| | create a now that's inggered when a record is updated, we recommend insi et the condition requirements option for When to Run the Flow for Updat | | me Only when a record is updated | | | |
| Condi | ion Requirements | | | | | |
| All | Conditions Are Met (AND) | | | | | |
| | Field | Operator | Value | | | |
| | SMS_Templatec | Is Null 💌 | € False × | â | | |
| | Field | Operator | Value | | | |
| AND | SMS_Templatec | Is Changed 💌 | ₩ True × | a | | |
| + | Add Condition | | | | | |

Fig: 25 Master Send SMS Handler

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| Edit | Cre | ate Records | | |
|---------------------------|-----|------------------------------------------------------|------|---|
| tdc_tswDocument_Idc | ← | 0155g000000WBLWAA4 | ☆ | |
| Field | | Value | | |
| tdc_tswMessage_Textc | ← | A _a \$Record > Description × | Ê | |
| Field | | Value | | |
| tdc_tswPhone_Apic | ← | A _a \$Record > Owner ID (User) > Mobile × | ≞ | |
| Field | | Value | | |
| tdc_tswRelated_Object_Idc | ← | A _a \$Record > Lead ID × | | |
| Field | | Value | | |
| tdc_tswSMS_Templatec | ← | {!\$Record.SMS_Templated | | |
| Field | | Value | | |
| tdc_tswSender_Numberc | } ← | 12016137191 | | |
| + Add Field | | | | Ţ |
| | | Cancel | Done | |

Fig: 25.1 Master Send SMS Handler

When dealing with an iText that has multiple answers, and each response requires triggering a different template, writing repetitive APEX code for each possible answer becomes challenging. Instead, a more efficient approach is adopted. We simply set the SMS_Template for the contact, and then let our other Flows handle the rest of the process, eliminating the need for redundant code and streamlining the workflow.

| | | | New Decision | | | | |
|-----------------|-----|------------------------------------------------------------------|---------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Default Outcome | | tion Requirements to Execute Outcome Conditions Are Met (AND) | ▼ | | | | |
| | | Resource | Operator Equals | • | Value Incoming | | |
| | AND | Resource | Operator Is Null | • | Value Walue Image: Constraint of the second seco | | |
| | AND | Resource A _a \$Record > Message × | Operator Equals | ¥ | Value 1 | | |
| | AND | Resource A _a sRecord > SMS Template × | Operator Equals | • | Value Aa SRecord > Lead > SMS Template × | 6 | 9 |
| | + | Add Condition | | | | | Ļ |
| | | | | | Cancel | Don | ie |

Fig: 25.2 Master Send SMS Handler

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| | Edit Up | date Record | S | | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------|----------------------------------|--------|------|---|
| Filter Lead Records Condition Requirements to Update Records All Conditions Are Met (AND) | Operator | | Value | | | |
| Id | Equals | ~ | A _a \$Record > Lead × | | - | |
| + Add Condition | | | | | | |
| Set Field Values for the Lead Records | | | | | | l |
| Field | | Value | | | | l |
| CleanStatus | (| Different | | | | l |
| + Add Field | | | | | | • |
| | | | | Cancel | Done | |

Fig: 25.3 *Modify a field in the Lead Object within the Master Send SMS Handler.*

iTexts

The 360SMS iText structure is a robust feature that automates the entire Question/Answer dialog without relying on Flows or Templates. It seamlessly stores answers and their related questions in the SMS History, while also saving them in an iText Response Object for enhanced reporting and automation capabilities. iTexts offer the flexibility for a question to have multiple answers, leading to additional questions with their own set of multiple answers, allowing for as many branched questions and answers as needed.

iTexts can be triggered either through traditional Flows using the methods described in Method #1 or Method #2, or they can be automatically triggered by defining an inbound keyword.

iTexts work exceptionally well when presenting clear answer choices, such as "Reply YES or NO" or using multiple-choice answers where the call-to-action is to "Reply with a number" or "Reply with a letter or combination of letters."

Lastly, iText replies can easily update field values in Salesforce Objects or initiate other actions using Flows on the SMS History or iText Response Object to examine the incoming answer to a specific question. This powerful feature streamlines the question-and-answer process and provides seamless integration with Salesforce Objects and automated actions.

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| Customer Service | | iText List Create New iText |
|-----------------------------------------------------------------------------|-----------------------------|-----------------------------|
| Survey: Customer Service | Keyword(s) (): Service help | Object: Case |
| Brief Description: Customer Service Survey | Active | Edit Clone Delete |
| V Question: Hello (Icase.SuppliedCompany) team, | Label: Q1 | + Answer 💉 💼 🗐 |
| What service you need - | | |
| 1. Plumbing | | |
| 2. Cleaning | | |
| 3. Washing | | |
| Answer: 1 One one oNE ONE 1. Plumbing Plumbing plumbing | | 1 |
| V Question: When do you want it ? | Label: Q2 | + Answer 🖍 💼 🗐 |
| 1. Monday | | |
| 2. Tuesday | | |
| 3. Wednesday | | |
| V Answer: Monday | | |

Fig: 26 iText

Using Salesforce Flows

The Salesforce Flow technology is worth a brief discussion as it offers significantly more capabilities than Flows. It provides the ability to incorporate complex business logic, utilize variables, look up records, loop through records, delete records, and more.

In the following examples, we demonstrate the process of receiving an email address through an Incoming SMS in response to a template message that prompts the user for their email address to look them up. In this workflow, we encounter a new unknown number entering our Salesforce system. Previously, in Flows, we have created a new Lead record for this Incoming SMS and begun asking questions to complete the record, such as Email, Name, and Company. However, in this case, we utilize a Flow called from a Flows to take the email address and perform a Record Lookup against the Contact Object. If a matching record is found, we send back a template that says, "Found you {!Contact.Name}!" and then proceed with the original keyword that initiated the entire process.

Figure 26 demonstrates how a regular Flows can call a Flow while passing in parameters gathered from the SMS_History record. In Figure 27, we see the details of the Flow, where it:

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- Looks up the email from the Contacts Object using the "Get Records" functionality of Flows.
- If a contact is found, it re-links all the SMS_History that was linked to the dummy lead record, which was initially created when the SMS from the unknown number first came in.
- Finally, we can send the outbound SMS reply either through the same APEX methods as a Flows uses, or in this case, we use the technique where we only update the Contact.SMS_Template field, which, in turn, triggers our Master SEND SMS Handler. This approach allows for seamless communication and efficient handling of responses.

| | Edit Create Records | |
|---------------------------|--------------------------------------------|----------|
| Field | Value | |
| tdc_tswChannelc | ← SMS | a |
| Field | Value | |
| tdc_tswPhone_Apic | ← A _a \$Record > Mobile Phone × | a |
| Field | Value | |
| tdc_tswRelated_Object_Idc | ← A _a sRecord > Lead ID × | a |
| Field | Value | |
| tdc_tswSMS_Templatec | ← a0C5g00000CnA24EAF | a |
| Field | Value | |
| tdc_tswSender_Numberc | ← 16402082040 | |
| Field | Value | |
| tdc_tswQuestionc | ← a0H5g000006B0rDEAS | ₫ |
| | | |
| | Cance | el Done |

Fig: 27 The iText question ID (pertaining to the first question of the respective iText) is required.

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