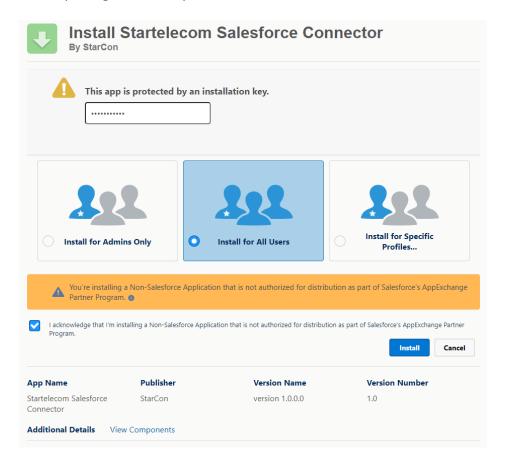
Startelecom Universal CRM Connector - Salesforce Manual

Table of Contents

| St | tartelecom Universal CRM Connector - Salesforce Manual | 1 |
|----|---|----|
| | Table of Contents | 1 |
| | Install Salesforce Connector | 2 |
| | Import and Edit Call Center Definition | 4 |
| | Add Startelecom Universal CRM Connector to a Lightning App | 6 |
| | Add an Embedded Interaction Window to a Lightning App | 9 |
| | Configure Startelecom Settings | 10 |
| | Add Startelecom Digital Interactions Component to a Lightning App Pages | 11 |
| | Configure Call Center Settings | 12 |
| | Configure Client Settings | 12 |
| | Custom Interaction Attributes | 13 |
| | Contact Search | 13 |
| | Activity Logging | 14 |
| | Screen Flow Settings | 16 |
| | Apex Extension Point Settings | 23 |
| | Country Code Settings | 29 |
| | Configure General Settings | 30 |
| | Startelecom Interaction Model | 31 |

Install Salesforce Connector

Open the provided URL for the Salesforce connector package. The installation screen will show. Enter the provided password for the package and select installation type. Confirm that you want to install this package and finally click on the **Install** button.



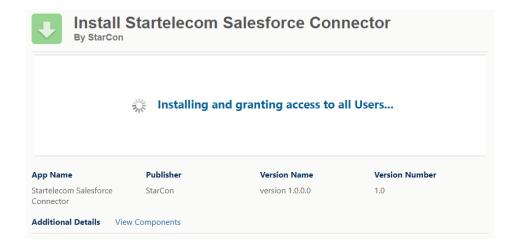
The current install password is: STARTEL2022

A screen to approve access to Genesys Pure Cloud servers will pop up. This is necessary for accessing Genesys Platform API from within Salesforce. Select the checkbox to confirm access and click on the **Continue** button.

Approve Third-Party Access

This package may send or receive data from third-party websites. Make sure you trust these websites. What if you are unsure? Website SSL Encrypted api.apne2.pure.cloud \checkmark 4 api.aps1.pure.cloud ~ api.cac1.pure.cloud **~** api.euw2.pure.cloud api.mypurecloud.com 4 api.mypurecloud.com.au 4 4 api.mypurecloud.de ~ api.mypurecloud.ie ~ api.mypurecloud.jp **~** api.use2.us-gov-pure.cloud api.usw2.pure.cloud 4 ~ app.apne2.pure.cloud 4 app.aps1.pure.cloud ~ app.cac1.pure.cloud ~ app.euw2.pure.cloud app.mypurecloud.com **~** app.mypurecloud.com.au \checkmark Yes, grant access to these third-party web sites Continue Cancel

Installation of the package begins...



Once completed a confirmation will be shown. Also, confirmation email will be sent to administrator. Click on **Done** button to complete the installation.

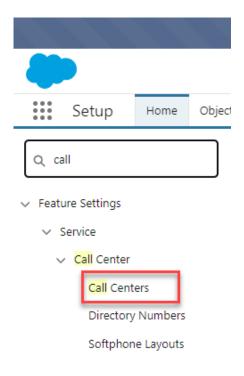


Import and Edit Call Center Definition

Download the latest Call Center definition file from:

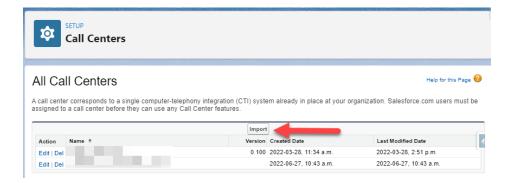
- https://ucc.startelecom.ca/assets/templates/StartelecomCallCenter.xml if you are using a version of Startelecom connector from Genesys AppFoundry,
- https://ucc.startelecom.ca/assets/templates/StartelecomCallCenterPrivate.xml if you are using a Private Deployment.

In Salesforce, from **setup** using the Quick Find box, search for and select Call Centers.



Didn't find what you're looking for? Try using Global Search.

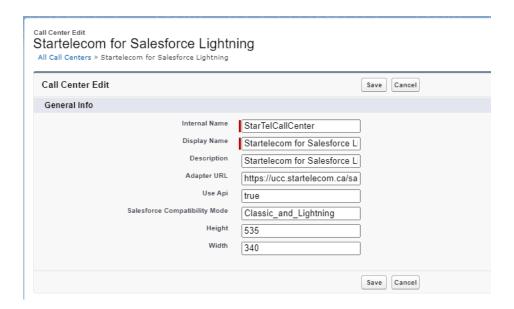
Click **Import** button:



Click **Choose File** button and locate the StartelecomCallCenter.xml file. Click **Import** button:



Click **Edit** button. Change **Display Name** or Softphone height and width. Click **Save** button.



Click **Manage Call Center Users** > **Add More Users**. Click **Find** to view all available users or search for specific users in the search tool. Select applicable users. All intended Startelecom users must be assigned to this Call Center. Click on **Add to Call Center** button.

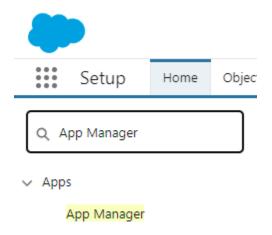
For more information on assigning users to a Call Center, see https://help.-salesforce.com/articleView?id=cti admin manageagentsadd.htm.

Add Startelecom Universal CRM Connector to a Lightning App

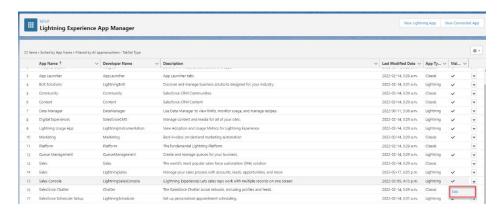
Universal CRM Connector functions via the **Open CTI Softphone** component in a Lightning app. An existing app in your organization can be edited or a new one created.

Note: Navigation style cannot be changed on an existing app. If the existing app is not set to console navigation, a new app needs to be created to set the navigation style appropriately. For detailed instructions on creating a new lightning app, see https://help.salesforce.com/articleView?id=sf.dev apps lightning create.htm.

From Setup using the Quick Find box, search for and select App Manager.



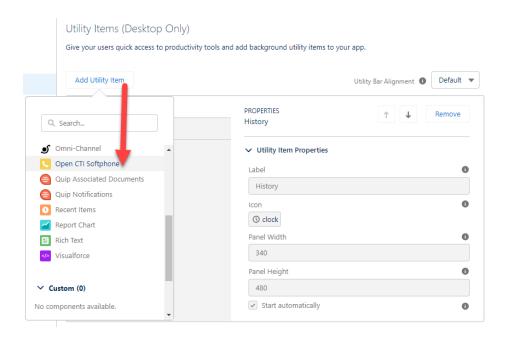
Click Edit in the drop-down menu next to your app.



In **App Options**, confirm the following options are selected and click **Next**.

Navigation style: Console navigationSupported Form Factor: Desktop

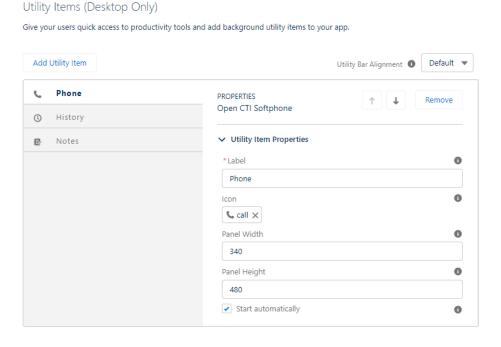
In Utility Items, click Add Utility Item and select **Open CTI Softphone**.



Set the Utility Item Properties as follows:

- Label: Phone, or preferred unique name.
- Enable Start automatically.

Note: The panel width and height are not utilized. To control the size for the softphone, see Import and edit call center settings.

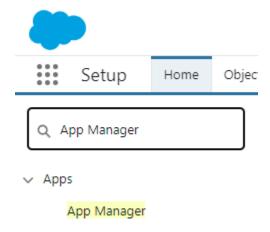


Add an Embedded Interaction Window to a Lightning App

By default, scripts, chats, emails, and messages open in a separate window in Salesforce. However, you can configure Salesforce to show scripts, chats, emails, and messages in an embedded interaction window. This embedded interaction window appears in the bottom toolbar along with the client and other embedded interaction windows (such as Omni-Channel in Service Cloud).

Note: If you run Genesys Cloud for Salesforce in multiple browser tabs, then you cannot use embedded interaction windows, because then the integration does not work properly.

From Setup using the Quick Find box, search for and select App Manager.



Click Edit in the drop-down menu next to your app.

In **App Options**, confirm the following options are selected and click **Next**.

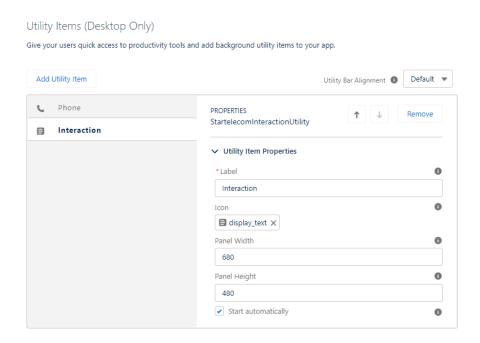
Navigation style: Console navigationSupported Form Factor: Desktop

In Utility Items, click Add Utility Item and select StartelecomInteractionUtility.

Set the Utility Item Properties as follows:

- Label: Interaction, or preferred unique name.
- Icon: leave default or change with your needs.
- Width and Height: depending on your needs or used Script template
- Enable Start automatically.

Click Save.

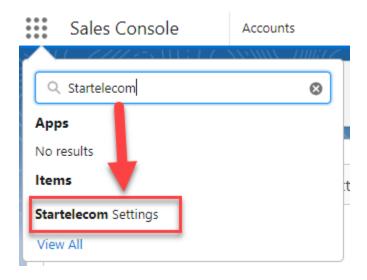


The embedded interaction window (StartelecomInteractionUtility) now appears on the lower-left or lower-right corner of certain Lightning Experience pages.

Configure Startelecom Settings

The settings page provides Startelecom Universal CRM Connector the connection between your Salesforce org and your Genesys Cloud org, as well as state synchronization and Salesforce flow triggers.

Go to App Launcher and locate Startelecom Settings:



Startelecom Settings are divided into 2 tabs: Call Center Settings and General Settings.

Salesforce ORG can have any number of Call Centers assigned to different users. Call Center Settings apply only to selected Call Center and must be set for each Call Center that is in use.

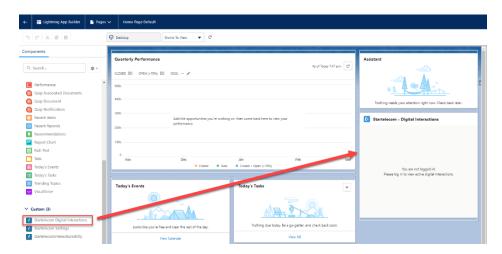
General Settings are shared settings and also apply for background tasks (triggers, automatic syncs, etc..).

Add Startelecom Digital Interactions Component to a Lightning App Pages

Startelecom Digital Interactions component allows you to handle multiple digital interaction types (SMS, Web Messaging, Emails, also integrations such as WhatsApp, Twitter, Facebook...) with one Salesforce native component which eliminates the need to show pop-ups or to handle such interactions in new browser window/tab.

Startelecom Digital Interactions component can be added to APP, Home or Record pages. To ensure easy access at all times, Startelecom recommends to embed Digital Interactions component on all record pages.

- Open a page in the Lightning App Builder;
- Locate Startelecom Digital Interactions component (in the Custom section), and drag it to the desired location on the page:

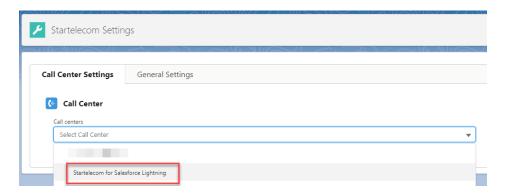


- Add, edit or remove any other components to change page's layout as desired.
- Click Save.

Note: Verify how the controls appear with other content on each page to ensure there is enough room to display the whole component.

Configure Call Center Settings

Click on **Call Center Settings** tab inside of Startelecom Settings page and select the **Startelecom for Salesforce Lightning** (default) or any other added Call Center name from the drop-down list.



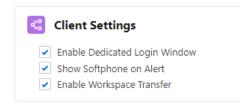
Configure Client Settings

 Enable Dedicated Login Window allows you to use login providers that do not work in embedded windows.

This setting causes a separate login window to open. If you close this window, you can reopen it by clicking **Open Authentication Window** in the client. In this window, you sign in using Genesys Cloud credentials or credentials for other providers that you configured in your Genesys Cloud organization. To direct all agents to a single provider, use this setting with the **Auto Redirect to SSO**. For information about the single sign-on providers that Genesys Cloud supports, see About single sign-on (SSO).

- **Show Softphone on Alert** will pop-up embedded softphone on every alert, e.g. new incoming interaction. without this checked agent must manually raise softphone on alert sound to answer or decline interaction.
- Enable Workspace Transfer allows agents to transfer tabs when they transfer a call. The integration transfers the main tab that the agent is viewing and any subtabs for that record that the agent has open.

Note: Workspace transfers take precedence over other screen pop attributes (such as ST_ScreenPop_Url and ST_SearchAndScreenPop). If you select Enable Workspace Transfer in the call center settings and agents select Transfer Selected Tab when transferring a call, the integration ignores other screen pop attributes.



Custom Interaction Attributes

Under **Custom Interaction Attributes** you can add custom interaction attributes.

This setting allows you to access and use data during an interaction. For example, after you add an attribute, you can then use the attribute in Architect flows or scripts to display knowledge articles about a particular topic to an agent or to screen pop information about contract deals for an agent to mention to a customer.

To add attribute, type attribute name, then click on Add Attribute button.

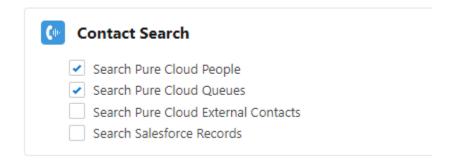


To remove attribute, click on **X** button on attribute you want to remove.

Contact Search

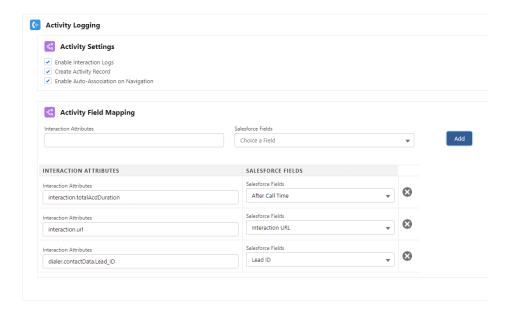
By default, when agents search for names or numbers before transferring an interaction or making a call, the client returns people and queues from your Genesys Cloud organization. It is possible to also include records from your Salesforce organization. As administrators, you can configure which entities the integration searches. You can also configure the integration to search external contacts in your Genesys Cloud organization.

- **Search Pure Cloud People** searches people in your Genesys Cloud organization. Selected by default.
- **Search Pure Cloud Queues** searches queues in your Genesys Cloud organization. Selected by default.
- **Search Pure Cloud External Contacts** searches external contacts in your Genesys Cloud organization.
- Search Salesforce Records searches all records in your Salesforce organization.



Activity Logging

Activity logging controls logging of interactions within Salesforce.



Activity Settings

Enable Interaction Logs provides access to the interaction logs from the client. This
option also enables Interaction Log editing, which allows agents to write and edit
interaction logs in the client.

For more information, see <u>Interaction logs</u>.

 Create Activity Record enables creation of Task Salesforce object for each interaction that saves activity history in Salesforce when the interaction connects.
 For more information, see <u>Interaction logs</u>. • Enable Auto-Association on Navigation associates the current Salesforce record automatically with the interaction's log as agents navigate while the interaction is connected.

Activity Field Mapping

The Universal CRM Connector gives you the option to synchronize interaction attributes with Salesforce activity records on inbound and outbound interactions. Synchronizing interaction attributes allows you to store any interaction attributes on Salesforce activity records. If interaction attributes change, even after disconnection, the data remains in sync between the interaction and the Salesforce activity record.

Notes:

- Lightning Experience does not allow Genesys Cloud for Salesforce to save interaction attributes to fields that the Salesforce user does not have access to. For example, you configure Genesys Cloud for Salesforce to save the queue name to a custom field but do not make the custom field visible to agents. As a result, Salesforce does not save the queue name to the custom field in reports.
- Although you can map interaction attributes after assigning users to a call center, follow
 the sequence described here of mapping interactions first and then assigning users. This
 sequence ensures that users do not receive unmapped interactions.

For each interaction attribute that you would like to map, create a custom field in Salesforce on the Activity object. See <u>Create Custom Fields</u> in the Salesforce documentation.

To remove mapping click on **X** button in the mapping you want to remove. You can also edit already added interaction attributes.

Note: For more information about available interaction attributes, see the data object format in <u>Startelecom Interaction Model</u>.

Default fields in Salesforce

This table includes a list of data automatically captured for every interaction that an agent handles.

| Field label | Description | |
|---------------------------|---|--|
| Call Duration | Total duration of the interaction in seconds, from the time of connection to disconnection or transfer. | |
| Call Object Identifier | Interaction ID key assigned to the interaction. | |

| Call Result | Wrap-up code assigned after the interaction disconnects. See Wrap up an interaction. | |
|--|--|--|
| Call Type Indicates the interaction direction (Inbound or Outbound). | | |
| Comments | Empty field for any notes taken during the interaction. | |
| Name | Displays the name from the Salesforce record that pops when the interaction connects or the name from which a click-to-dial call was made, such as a contact or lead. If multiple records match, this field is a list in the client; the agent must select a record from the list. | |
| | If the agent navigates to a different contact, lead, or person account record while the interaction is live, that record is dynamically added to the list. | |
| | Displays an associated record from the Salesforce record that pops when the interaction connects or the name from which a click-to-dial call was made, such as an account or opportunity. | |
| Related To | If the agent navigates to a different account, opportunity, campaign, case, or custom object record while the interaction is live, that record is dynamically added to the list; the agent must select a record from the list. | |
| | Note : To ensure that interaction logs can be saved for custom objects, select Allow Activities when creating the custom object in Salesforce. | |
| | Displays the interaction type plus a date and time stamp. The date/time is formatted based on the browser's locale settings. | |
| Subject | Note : The interaction type for Genesys Cloud web messaging interactions is Chat. | |
| | Example: Call 8/10/2015, 8:55:17 AM | |
| | Indicates the interaction type. Values: Call, Chat, Email, Voicemail, and Message. | |
| Туре | Note : The interaction type for Genesys Cloud web messaging interactions is Chat. | |
| | Tip : If the Type field is visible to agents, Genesys recommends adding these values to the Type picklist in Salesforce. | |

Screen Flow Settings

Startelecom Universal CRM Connector leverages Salesforce's Process Automation Flows. Custom actions are used along with existing Salesforce actions to design flows that automate a business process. This allows you to use Genesys Cloud attributes and data to retrieve corresponding customer information from Salesforce.

These Salesforce flows can be triggered via a Genesys Cloud Architect flow using unique **key:value pairs** on connect, on disconnect, and on acw.

Flow prerequisites

Salesforce Flows type must be the Screen Flow.

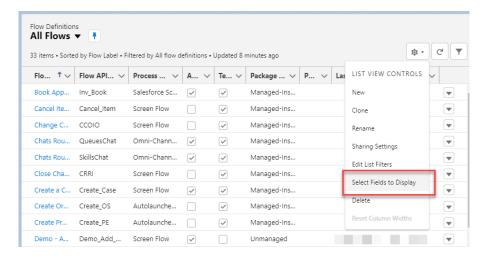
Connect Genesys Architect Flow to Salesforce Flows

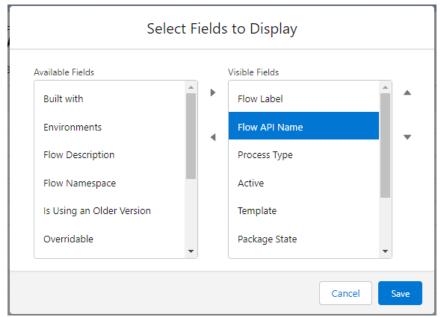
Salesforce Flows are triggered by Genesys Cloud Architect using Universal CRM Connector attribute keys to connect to the API names of a Salesforce flow.

- In Genesys Cloud Architect, access your designated Inbound flow.
- Add a Set Participant Data block and set three attributes as follows:

| Attribute Name | Value to Assign | Description |
|----------------------|--|--|
| ST_Flow_Connected | API Name of your Salesforce Inbound Flow | Triggered when a interaction is connected. |
| ST_Flow_Disconnected | API Name of your Salesforce On Disconnected Flow | Triggered when a conversation is disconnected. |
| ST_Flow_Acw | API Name of your Salesforce On ACW Flow | Triggered when ACW is completed on a conversation. Note: Only applies to conversations with an ACW portion. |

To easily see the API Names of your flows in Salesforce, add the **Flow API Name** column to the All Flows view.





Custom Actions

Custom actions are used along with existing Salesforce actions to design flows that automate a business process. These custom actions are supported when run in a Screen Flow triggered by Universal CRM Connector and/or a Lightning App Flow.

This connector provides following custom actions:

| Action Name | Description |
|-----------------------------|---|
| StartelecomOpenRecordAction | Pops a record in a primary tab or sub tab for the agent |

| StartelecomOpenRecordAction | Pops a Salesforce Screen Flow as a primary tab or sub tab for the agent | |
|-----------------------------|---|--|
| StartelecomOpenRecordAction | Pops a URL in a primary tab or sub tab for the agent | |
| StartelecomOpenRecordAction | Replaces the tab running the flow with the specified URL | |

StartelecomOpenRecordAction

Pops a record as a primary tab or as a sub tab.

Applicable uses

- In a Screen Flow triggered by Universal CRM Connector.
- In a Lightning App Flow.

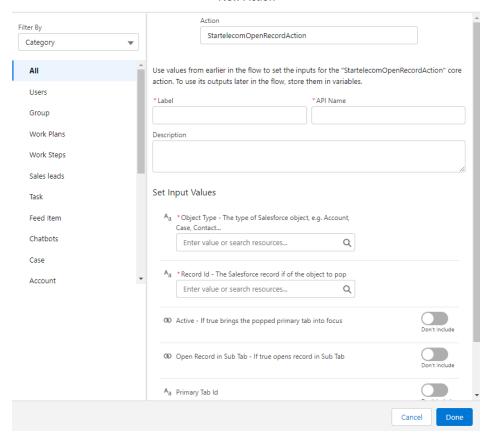
Inputs

- Object Type (required): The type of Salesforce object (e.g., Account).
- Record Id (required): The Salesforce record Id of the object to pop.
- Active (optional): If the popped primary tab should be in focus. Defaults to true.
- Open Record in Sub Tab (optional): If true opens record in Sub Tab.

Outputs

Primary Tab Id: The Salesforce tab id of the popped primary tab

New Action



StartelecomOpenFlowAction

Pops a Salesforce Screen Flow as a primary tab or as a sub tab.

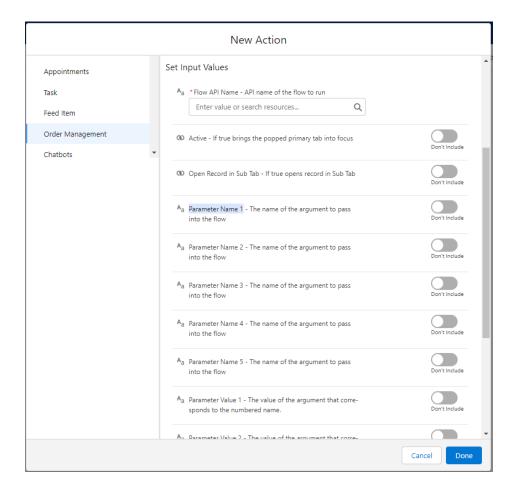
Applicable uses

• In a Screen Flow triggered by Universal CRM Connector.

Inputs

- Flow API Name (required): The API name of the flow to pop.
- Active (optional): If the popped primary tab should be in focus. Defaults to true.
- Open Flow in Sub Tab (optional): If true opens record in Sub Tab.
- Parameter Name 1 (optional): The name of the argument to pass into the flow.
- Parameter Value 1 (optional): value of the argument that corresponds to the numbered name.
- Parameter Name 2 (optional): The name of the argument to pass into the flow.
- Parameter Value 2 (optional): value of the argument that corresponds to the numbered name
- Parameter Name 3 (optional): The name of the argument to pass into the flow.

- Parameter Value 3 (optional): value of the argument that corresponds to the numbered name.
- Parameter Name 4 (optional): The name of the argument to pass into the flow.
- Parameter Value 4 (optional): value of the argument that corresponds to the numbered name.
- Parameter Name 5 (optional): The name of the argument to pass into the flow.
- Parameter Value 5 (optional): value of the argument that corresponds to the numbered name



StartelecomOpenURLAction

Pops a URL as a primary tab or as a sub tab.

Applicable uses

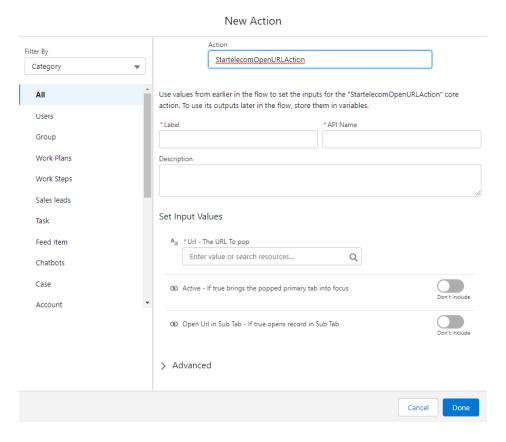
- In a Screen Flow triggered by Universal CRM Connector.
- In a Lightning App Flow.

Inputs

- Url (required): The URL to pop.
- Active (optional): If the popped primary tab should be in focus. Defaults to true.
- Open URL in Sub Tab (optional): If true opens record in Sub Tab.

Outputs

• Primary Tab Id: The Salesforce tab id of the popped primary tab

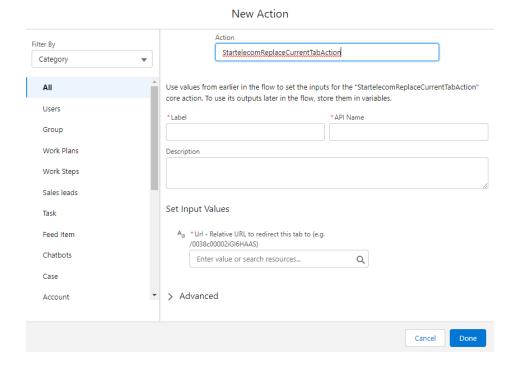


StartelecomReplaceCurrentTabAction

Replaces the tab running the flow with the specified URL.

Inputs

Url (required): The URL to redirect this tab relative to tab running the flow (e.g. /0038c00002iGl6HAAS).



Apex Extension Point Settings

The Startelecom Genesys Embeddable Client integration exposes extension points (or interfaces) in Apex that you can use to develop methods that customize click-to-dial, screen pop, and processing interaction logs, or take custom actions on interaction Connected, Disconnected and Wrap-Up events.

To customize the client behavior, create a single Apex file with an Apex class that implements one or more of the following interfaces:

- startel.StartelecomExtension.ClickToDial: Defines the onClickToDial method that customizes click-to-dial behavior;
- startel.StartelecomExtension.ScreenPop: Defines the onScreenPop method that customizes screen pop behavior for incoming alerting interactions;
- startel.StartelecomExtension.ProcessCallLog: Defines the onSaveLog method that customizes saving interaction logs;
- startel.StartelecomExtension.Connected: Defines the onCallConnected method that you can use to define custom actions when interaction is connected:
- startel.StartelecomExtension.Disconnected: Defines the onCallDisconnected method that you can use to define custom actions when interaction is disconnected;
- startel.StartelecomExtension.WrapUp: Defines the onCallWrapUp method that you can use to define custom actions when interaction is wrapped-up;

If you implement more than one extension point (or interface), place them all in the same Apex file. Define the Apex class as global so the code can be called by the integration.

```
global class MyStartelExtension implements
    startel.StartelecomExtension.ClickToDial,
    startel.StartelecomExtension.ScreenPop,
   startel.StartelecomExtension.ProcessCallLog,
   startel.StartelecomExtension.Connected,
    startel.StartelecomExtension.Disconnected,
    startel.StartelecomExtension.WrapUp {
    public String onClickToDial(String data) {
    }
    public String onScreenPop(String data) {
    public String onSaveLog(String data) {
    public String onCallConnected(String data) {
    public String onCallDisconnected(String data) {
    public String onCallWrapUp(String data) {
    }
}
```

After you create an Apex class that implements one or more of the interfaces, configure settings in Salesforce to use this class.

Configure extension points

The Apex Extension Point Settings section allows you to configure extension points in the managed package to use an Apex class that you created to customize actions such as click-to-dial or screen pop in Genesys Cloud for Salesforce.

- 1. Click on **App Louncher**.
- 2. Search for **Startelecom Settings**.
- 3. Under **Call Centers**, select a version of the call center definition.
- 4. Under Apex Extension Point Settings, select the Apex class that you created.
- 5. Click **Save Configuration** in that section.



Use the extension points to customize click-to-dial

In Salesforce, create a single Apex file with an Apex class that implements the startel.StartelecomExtension.ClickToDial interface. Define the Apex class as global so the code can be called by the integration.

onClickToDial method initiates a phone call or an SMS message.

When Salesforce alerts the client about a click-to-dial event, the client performs the click-to-dial event based on parameters in your Apex code. The method can return data that changes the default click-to-dial behavior.

If the Apex code triggers an exception, then the integration performs the default click-to-dial behavior. If no value is returned, then the integration suppresses the click-to-dial behavior.

Input properties

The following properties are included in the JSON data that is passed to the method.

| Name Data Type Description | | Description | Notes |
|----------------------------|--------|---|---------------------------------------|
| number | String | Phone number that the integration calls. | |
| object String | | Type of object such as a contact or an account in Salesforce. | |
| objectId | String | ID of a relevant object such as a contact or an account to auto-associate with an activity. | objectId is only for a single record. |
| objectName | String | Name of the record in Salesforce. | |

Output properties

The following properties are supported in the JSON data returned from the method.

| Name | Data Type | Description | Notes |
|------|--------------|-------------|-------|
|------|--------------|-------------|-------|

| | | | <u> </u> |
|---|---------|--|---|
| numberStringSee Input properties table. | | | |
| object | String | See Input properties table. | |
| objectId | String | See Input properties table. | |
| objectName | String | See Input properties table. | |
| attributes | Object | Key-value pairs of attributes to add to the interaction. | |
| queueld | String | ID of the queue to make a call on behalf of. | |
| autoPlace | Boolean | Integration automatically places a call (true), or the integration populates the Name or Number box with the phone number (false). | |
| type | String | Type of interaction. | Valid values: call, sms. If no type is provided, defaults to call. |
| callerIdName | String | Name displayed to recipients of your phone calls. | |
| callerId | String | Phone number displayed to recipients of your phone calls. | |
| associations | Array | List of Salesforce records to add to the Name or Related To box in the client. | |

Example

```
global class MyStartelExtension implements startel.StartelecomExtension.ClickToDial {
    public String onClickToDial(String data) {
        Map<String, Object> clickToDialData = (Map<String, Object>)

JSON.deserializeUntyped(EncodingUtil.urlDecode(data, 'UTF-8'));
        clickToDialData.put('queueId', '8b0b438e-0952-447e-86b2-12415d56ee80');
        clickToDialData.put('callerIdName', 'John Smith');
        clickToDialData.put('callerId', '+13175550123');

        return JSON.serialize(clickToDialData);
    }
}
```

Use the extension points to customize screen pop

In Salesforce, create a single Apex file with an Apex class that implements the startel.StartelecomExtension.ScreenPop interface. Define the Apex class as global so the code can be called by the integration.

onScreenPop method is Used to drive screen pop logic.

This method is called for an inbound alerting interaction. onScreenPop is only called once for each agent for each alerting interaction. The method can return data that changes the default screen pop behavior.

If the Apex code triggers an exception, then the integration performs the default screen pop behavior. If no value is returned, then the integration suppresses the screen pop behavior.

Input properties

The following properties are included in the JSON data that is passed to the method.

| Name | Data Type | Description | Notes |
|--|--------------|------------------------|---|
| searchValue | String | Search value. | Example values: email address (for chat and email interactions), phone number (for voice and SMS interactions). |
| interaction Object Pata object that represents interaction data. | | represents interaction | For more information, see the data object format in Condensed conversation information. |

Output properties

Important: Use only one of the following properties in the JSON data returned from the onScreenPop method.

| Name | Data Type | Description | Notes |
|-------------|--------------|---|---|
| url | String | URL of a page in Salesforce. | Can be a standard Salesforce page, a Visualforce page, or a new record page with pre-populated data from an Architect flow. |
| searchValue | String | Value searched for in Salesforce records. | Can be a case number, a phone number, a contact name, or other items. |

| defaultScreenPop Boolean | Performs a default screen pop (true) or does not perform a default screen pop (false). | |
|--------------------------|--|--|
|--------------------------|--|--|

Example

```
global class MyStartelExtension implements startel.StartelecomExtension.ScreenPop {
    public String onScreenPop(String data) {
        // Example: Find an Account by phone number. If not found, fall back to default screen
pop behavior.
       Map<String, Object> screenPopData = (Map<String, Object>)
JSON.deserializeUntyped(EncodingUtil.urlDecode(data, 'UTF-8'));
       Map<String, Object> dataToReturn = new Map<String, Object>();
       if (String.isNotBlank(phoneNumber)) {
            List<Account> cases = [SELECT Id FROM Account WHERE Phone =: phoneNumber ORDER BY
LastModifiedDate DESC LIMIT 1];
           if (cases.size() > 0) {
                dataToReturn.put('url', cases.get(0).Id);
                return JSON.serialize(dataToReturn);
            }
       }
       dataToReturn.put('defaultScreenPop', true);
       return JSON.serialize(dataToReturn);
    }
}
```

Use the extension points to customize processing interaction logs

You can use the extension points to customize saving interaction logs in Genesys Cloud for Salesforce.

In Salesforce, create a single Apex file with an Apex class that implements the startel.StartelecomExtension.ProcessCallLog interface. Define the Apex class as global so the code can be called by the integration.

onProcessCallLog method is used to save interaction log information. This method is called whenever the integration detects a change in the interaction log at certain interaction or user events. The method receives unsaved interaction log data for a task record.

If the method saves the data successfully, then return the ID of the record. If the method does not save the data, then return an empty string or null.

Input properties

The following properties are included in the JSON data that is passed to the method.

| Name | Data Type | Description | Notes |
|-------------|--------------|---|--|
| eventName | String | Represents the state that triggered onSaveLog. | Values: interactionChanged, interactionDisconnected, interactionChangedAfterDisconnect, interactionACWCompleted, interactionRemoved, openCallLog, appDisconnected. |
| interaction | Object | Represents the state of the interaction. | For more information, see the data object format in Condensed conversation information. |
| callLog | Object | Interaction log data with changed values for the activity fields defined in Salesforce. | Only provides portions of the integration log that changed. |

Country Code Settings

This section allows you to modify country codes for the integration to use in searches and screen pops.

The Startelecom Universal CRM Connector integration run Screen Pop extension searches Salesforce for phone numbers and then screen pops records based on these phone numbers. It removes country code prefix from all inbound phone numbers before searching Salesforce for the number based on Country Code Settings table.

To add country codes, follow these steps:

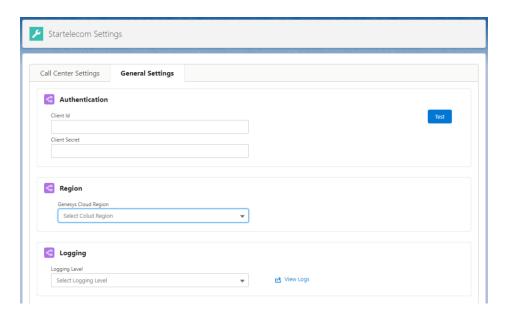
- 1. Select a country from the flag menu. Do one of the following:
 - Type the country name.
 - Scroll through the list.
- 2. Click Add.
- 3. Repeat for each country code that you want to add.



You can delete configured Country Codes by clicking on a **X** icon beside each added Country Code.

Configure General Settings

Click on **General Settings** tab inside of Startelecom Settings page. You can configure the following settings there:



Configure Authentication

This section allows you to add your OAuth credentials. Go to your Genesys Cloud browser window and go to **Admin > OAuth**. Click on **Universal CRM Connector OAuth Client** created by Genesys premium app install process. Copy the **Client ID** and **Client Secret** to Authentication fields in **Startelecom Settings** in Salesforce.

Configure Region

Select your Genesys Cloud region. This must match the region configured in the call center settings.

Configure Logging

This section allows you to configure the amount of detail that the diagnostic logs generate and to view logs to help troubleshoot problems.

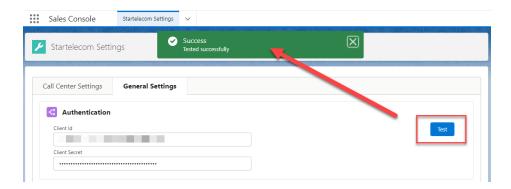
Logging Level: Determines the amount of detail that the diagnostic logs generate.

By default, Logging Level returns basic information for ERROR. If you want to expand the amount of detail that the logs return, select **WARN**, **INFO**, or **DEBUG**. The information returned increases with each level; ERROR provides the least detailed information and DEBUG provides the most detailed information.

Logs appear in your **browser console** that you can use to troubleshoot issues.

Testing Authentication

Save General Settings by clicking on Save Configuration button on the bottom of the page. Then click on Test button in Authentication section. If everything is set correctly you should get the information that the test is passed:



Startelecom Interaction Model

The Startelecom Universal CRM Connector provides a minimized version of the full conversation model. Use this Interaction model information to develop richer integrations using Extension Points or to map fields to Screen Flow input variables and CRM activity records.

| Interaction attribute | Screen Flow input variable name | Interaction type | Data type | Description |
|-----------------------|---------------------------------|---------------------|--------------|--|
| call.ani | call_ani | Call, Callback | String | Phone number of the caller. |
| call.calledNumber | call_calledNumber | Call, Callback | String | Phone number dialed (DNIS or SIP addresses for queues). |
| call.callbackNumbers | call_callbackNumbers | Call, Callback | String[] | The phone number(s) to use to place the callback. |
| call.isInternal | call_isInternal | Call, Callback | Boolean | Indicates whether the call is an internal interaction. |
| call.subscriberPhone | call_subscriberPhone | Call, Callback | String | Remote phone of the active interaction. This phone number is digits only, cleared from all special characters and country codes. |

| call.uuiData | call_uuiData | Call, Callback, Outbound Dialing | String | Data received from inbound calls or sent with outbound calls. For more information, see About User to User Information (UUI) and the IETF UUI specification. |
|-------------------------------------|----------------------------------|---|---------|---|
| chat.transcript | chat_transcript | Chat | String | Transcript object ID of a chat interaction. Startelecom recommends using a lookup relationship custom field. Warning?:Transcripts greater than 131,072 characters fail to save. |
| crm.externalRoutedWorkI tem | crm_externalRoutedWorkl tem | Open message | String | Work item ID of the Salesforce chat that was routed and handled externally through Genesys Cloud. |
| dialer.campaignId | dialer_campaignId | Outbound dialing | String | Genesys Cloud ID for an outbound dialing campaign. |
| dialer.contactId | dialer_contactId | Outbound dialing | String | Genesys Cloud ID for a contact in a contact list associated with an outbound dialing campaign. |
| dialer.contactListId | dialer_contactListId | Outbound dialing | String | Genesys Cloud ID for a contact list associated with an outbound dialing campaign. |
| dialer.contactData.[Colu mnName] | dialer_contactData_[ColumnName] | Outbound dialing | String | Column name in campaign management contact list |
| email.isThirdPartyEmail | email_isThirdPartyEmail | Email | Boolean | Indicates whether the interaction is a non- Genesys Cloud email interaction. |
| email.subject | email_subject | Email | Boolean | Subject line in the email. |
| id | id | All* | String | Genesys Cloud ID of the conversation. |
| interaction.acwDuration | interaction_acwDuration | All* | Number | Total time in seconds spent on wrap-up work, from the disconnection of the interaction to the completion of wrap-up work. |
| interaction.connectedTim e | interaction_connectedTim e | All* | String | Time when an agent was connected to an interaction. Date time is represented as an ISO-8601 string, for example: yyyy-MM-ddTHH:mm:ss.SSSZ. |
| interaction.direction | interaction_direction | All* | String | Direction of the interaction (Inbound or Outbound). |
| interaction.disconnectedT ime | interaction_disconnectedT ime | All* | String | Time when an agent was disconnected from an interaction. Date time is represented as an ISO-8601 string, for example: yyyy-MM-ddTHH:mm:ss.SSSZ. |

| interaction.displayAddres s | interaction_displayAddres s | Call, Callback, Outbound dialing, Email, SMS and WhatsApp messages | String | Remote address of the active interaction (phone number for call, callback, outbound dialing, SMS and WhatsApp messages, and ACD voicemail interactions; email address for email interactions). Note: Startelecom recommends not using this attribute for call logs with callback interactions. |
|-----------------------------------|-----------------------------------|---|---------|---|
| interaction.duration | interaction_duration | All* | Number | Total duration in seconds that an agent spends on an interaction. Indicates how long the interaction has been connected, from the time of connection to disconnection or wrap-up completion. |
| interaction.flagged | interaction_flagged | Call, Callback, Outbound dialing, ACD voicemail interaction s | String | Voice interactions (call, callback, outbound dialing, and ACD voicemail interactions) flagged for quality issues such as deteriorated audio, unexpected disconnections, or failed transfers. |
| interaction.hasJourneyCo ntext | interaction_hasJourneyCo ntext | All* | Boolean | Indicates whether the interaction has a journey context. |
| interaction.isCallback | interaction_isCallback | All* | Boolean | Indicates whether the interaction is a callback interaction. |
| interaction.isChat | interaction_isChat | All* | Boolean | Indicates whether the interaction is a chat interaction. |
| interaction.isCoBrowsing | interaction_isCoBrowsing | All* | Boolean | Indicates whether the interaction is currently part of a co-browse session. |
| interaction.isConference | interaction_isConference | All* | Boolean | Indicates whether the interaction is currently part of a conference session. |
| interaction.isConnected | interaction_isConnected | All* | Boolean | Indicates whether the interaction is connected. |
| interaction.isDialer | interaction_isDialer | All* | Boolean | Indicates whether the interaction is an outbound dialing interaction. |
| interaction.isDialerPrevie w | interaction_isDialerPrevie w | All* | Boolean | Indicates whether the interaction is a dialer preview interaction. |
| interaction.isDisconnecte | interaction_isDisconnecte | All* | Boolean | Indicates whether the interaction is disconnected. |
| interaction.isDone | interaction_isDone | All* | Boolean | Indicates whether the interaction is finished. |
| interaction.isEmail | interaction_isEmail | All* | Boolean | Indicates whether the interaction is an email interaction. |
| interaction.isMessage | interaction_isMessage | All* | Boolean | Indicates whether the interaction is a message interaction. |

| interaction.isSharingScree n | interaction_isSharingScree n | All* | Boolean | Indicates whether the interaction is currently part of a screen share session. |
|---|---|--|---------|---|
| interaction.isVoicemail | interaction_isVoicemail | All* | Boolean | Indicates whether the interaction is a voicemail interaction. |
| interaction.name | interaction_name | All* | String | Raw remote name associated with the active interaction. For a remote name without special characters, see remoteName. |
| interaction.participantDat a.[CustomFieldName] | interaction_participantDat a_[CustomFieldName] | Call, Callback, Email, message, ACD voicemail | String | Custom field name that is assigned by using Set Participant Data in an Architect flow. |
| interaction.participantId | interaction_participantId | All* | String | Unique ID for each agent associated with a particular interaction. For example, an interaction that is transferred from one agent to another agent produces two participant IDs. One ID is for the original agent. A second ID is for the agent that received the transfer. |
| interaction.participantPur pose | interaction_participantPur pose | All* | String | Participant type of the interaction. |
| interaction.phone | interaction_phone | All* | String | Raw remote address of the active interaction. For a remote address without special characters or SIP information, see displayAddress. |
| interaction.queueName | interaction_queueName | All* | String | Name of the queue that the interaction routes to or from. |
| interaction.recordingStat e | interaction_recordingState | All* | String | On update, 'paused' initiates a secure pause, 'active' resumes any paused recordings; otherwise indicates state of conversation recording. Valid values: ACTIVE, PAUSED, NONE. |
| interaction.remoteName | interaction_remoteName | All* | String | Remote name for the active interaction. Note: For SMS messages, this attribute returns the display address for the active interaction. For Genesys Cloud web messaging, this attribute returns Guest. |
| interaction.socialUserNa me | interaction_socialUserNa me | All* | String | The user name for the communication. |
| interaction.startTime | interaction_startTime | All* | String | Time when the first participant joined the interaction. Date time is represented as an ISO-8601 string, for example, yyyy-MM-ddTHH:mm:ss.SSSZ. |
| interaction.state | interaction_state | All* | String | State of the interaction (for example, ALERTING, CONNECTED, DISCONNECTED, HELD). |

| interaction.summary.sum maryId Interaction_summary_sum maryId All* String The language code of the conversation. interaction.summary.sum language Interaction_summary_sum mary_text Interaction_summary_sum mary_text All* String The text of the summary. interaction.summary.sum mary.text Interaction_summary_sum mary_sum mary_sum mary_sore All* String The text of the summary (headline). interaction.summary.hea dine_text Interaction_summary_hea dine_text All* String The text of the summary (headline). interaction.summary.readine_text Interaction_summary_readine_text All* String The text of the summary (headline). interaction.summary.readine_text Interaction_summary_readine_text All* String The text of the summary (headline). interaction.summary.readine_text Interaction_summary_readine_text All* String The text of the summary (readline). interaction.summary.readine.summary.readine.summary_readine.summary | _ | | | | T |
|--|-----------------|-----------------|------|--------|---|
| interaction.summary.sum mary.text All* String The text of the summary. Interaction_summary.sum mary_text All* String The text of the summary. Interaction_summary.sum mary_text All* String The text of the summary. Interaction_summary.max Interaction_summary_text All* String The text of the summary (headline). Interaction.summary.head dline_text Interaction_summary_head dline_text All* String The text of the summary (headline). Interaction.summary.reas Interaction_summary_feas on_text All* String The text of the summary (headline). Interaction.summary.reas on_score Interaction_summary_feas on_score All* String The Al confidence value (headline). Interaction.summary.reas on_score Interaction_summary_feas on_score All* String The Al confidence value (reason). Interaction.summary.reas on_score All* String The Al confidence value (reason). Interaction.summary_reasolution.text All* String The Al confidence value (resolution). Interaction.summary_reasolution.score All* String The Al confidence value (resolution). Interaction.summary_reasolution.score All* String The Al confidence value (resolution). Interaction.summary_reasolution.score All* String The Al confidence value (resolution). Interaction.score All* String The Al confidence value (resolution). Interaction.score All* String Total time in seconds that an interaction spends being routed to an agent. Does not include VR time. Example scenario: An interaction to a tire-two agent. The interaction to a tire-two agent. The interaction spends in an IVR Before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an intial IVR flow before a tire-one agent picks up the interaction. The agent transfers the interaction to a tire-two agent. The interaction spends 30 seconds in an intial IVR flow before a tire-one agent picks up the interaction. The agent transfers the | - | | All* | String | The id of the summary. |
| Interaction.summary.score Interaction_summary_summary.score Interaction_summary.score Interaction_summary.score Interaction_summary.hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_hea Interaction_summary_reas Interaction_score Inte | | | All* | String | The language code of the conversation. |
| Interaction.summary.hea Interaction_summary_hea All* String The text of the summary (headline). | - | | All* | String | The text of the summary. |
| dline_text | | | All* | String | The AI confidence value. |
| Interaction.summary.reas Interaction_summary_reas Interaction_summary | • | | All* | String | The text of the summary (headline). |
| interaction.summary.reas on_score interaction_summary.reas on_score interaction_summary.reas on_score interaction_summary.reas olution_text interaction_summary_ resolution_text interaction_summary_ resolution_score All* String The text of the summary (resolution). The all confidence value (resolution). Total time in seconds that an interaction spends being routed to an agent. Does not include IVR time. Example scenario: An interaction spends 30 seconds in an initial queue before a tier-two agent picks up the interaction. The agent transfers the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. TotalAcdTime: 90 second Total time in seconds that an interaction spends of a tier-two agent picks up the interaction. TotalAcdTime: 90 second Total time in seconds that an interaction spends in an IVR before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an interaction. The agent transfers the interaction. The agent transfers the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. TotallvrTime: 90 seconds. Interaction_unl | | | All* | String | The AI confidence value (headline). |
| Interaction.summary.reso Interaction_summary_resolution_text Interaction_summary_resolution_text Interaction_summary_resolution_text Interaction_summary_resolution_score Interaction_summary_resolution_score Interaction_score Inter | • | | All* | String | The text of the summary (headline). |
| Interaction.summary. resolution_score interaction_summary. resolution_score All* String The Al confidence value (resolution). Total time in seconds that an interaction spends being routed to an agent. Does not include IVR time. Example scenario: An interaction spends 30 seconds in an initial queue before a tier-one agent picks up the interaction spends 60 seconds in a queue before a tier-two agent. The interaction. TotalAcdTime: 90 second Interaction.totalIvrDuration All* String All* String Total time in seconds that an interaction spends 30 seconds in an initial queue before a tier-two agent picks up the interaction spends 60 seconds in a queue before a tier-two agent. TotalAcdTime: 90 second Total time in seconds that an interaction spends in an IVR before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an initial IVR flow before a tier-one agent picks up the interaction. The agent transfers the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. TotalPivrTime: 90 seconds. Interaction und interaction und All* String Genesys Cloud URL to information about | | | All* | String | The AI confidence value (reason). |
| resolution_score resolution_score All* Total time in seconds that an interaction spends being routed to an agent. Does not include IVR time. Example scenario: An interaction spends 30 seconds in an initial queue before a tier-two agent. The interaction to a tier-two agent picks up the interaction. TotalAcdTime: 90 second Interaction.totallvrDuration Interaction_totallvrDuration All* String Total time in seconds that an interaction an initial queue before a tier-two agent transfers the interaction to a tier-two agent. The interaction. TotalAcdTime: 90 second Total time in seconds that an interaction spends in an IVR before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an initial IVR flow before a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. The agent transfers the interaction to a tier-two agent picks up the interaction. TotallvrTime: 90 seconds. Interaction und All* String Genesys Cloud URL to information about | - | | All* | String | The text of the summary (resolution). |
| spends being routed to an agent. Does not include IVR time. Example scenario: An interaction spends 30 seconds in an initial queue before a tier-one agent picks up the interaction. The agent transfers the interaction. TotalAcdTime: 90 second Interaction.totallvrDuration Interaction_totallvrDuration Int | | | All* | String | The AI confidence value (resolution). |
| interaction.totallvrDurati on All* String spends in an IVR before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an initial IVR flow before a tierone agent picks up the interaction. The agent transfers the interaction to a tiertwo agent. The interaction spends 60 seconds in an IVR flow before a tier-two agent picks up the interaction. TotallvrTime: 90 seconds. Interaction url All* String Genesys Cloud URL to information about | | _ | All* | String | spends being routed to an agent. Does not include IVR time. Example scenario: An interaction spends 30 seconds in an initial queue before a tier-one agent picks up the interaction. The agent transfers the interaction to a tier-two agent. The interaction spends 60 seconds in a queue before a tier-two agent picks up the |
| Interaction uri Interaction uri I Aus I String I | | | All* | String | spends in an IVR before being connected to an agent. Includes secure IVR time. Does not include ACD time. Example scenario: An interaction spends 30 seconds in an initial IVR flow before a tierone agent picks up the interaction. The agent transfers the interaction to a tiertwo agent. The interaction spends 60 seconds in an IVR flow before a tier-two agent picks up the interaction. |
| | interaction.url | interaction_url | All* | String | |

| interactionLog.notes | interactionLog_notes | All* | String | Interaction log notes that agents add to the interaction. Note?: The Interaction Log Notes attribute only appears if agents add interaction logs to the interaction in the client. |
|----------------------|----------------------|------------------|--------|---|
| message.transcript | message_transcript | Message | String | Transcript object ID of a message interaction (Facebook Messenger, LINE Messaging, SMS, Twitter Direct Message, WhatsApp, Genesys Cloud web messaging). Genesys recommends using a lookup relationship custom field. Warning?:Transcripts greater than 131,072 characters fail to save. |
| message.type | message_type | Message | String | Type of message interaction. Values?: facebook, line, sms, twitter, whatsapp, webmessaging. |
| message.username | message_username | Message | String | User name associated with Twitter Direct Message messages. Nothing returned for Facebook Messenger, LINE Messaging, SMS, WhatsApp, or Genesys Cloud web messaging messages. |
| message.userId | message_userId | Message | String | User ID associated with Facebook Messenger, LINE Messaging, Twitter Direct Message, and Genesys Cloud web messaging messages. Phone number associated with WhatsApp messages. Nothing returned for SMS messages. |
| voicemail.id | voicemail_id | ACD voicemail | String | Genesys Cloud ID of a voicemail interaction. |
| wrapUp.code | wrapUp_code | All* | String | Wrap-up code for an interaction made from or to a queue. |
| wrapUp.name | wrapUp_name | All* | String | Wrap-up name for an interaction made from or to a queue. |

 $^{^{*}}$ All refers to call, callback, outbound dialing, chat, email, message, and ACD voicemail interaction types.