Developer Center Q Search

# Web services data dip connector API

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Feature deprecation: Genesys plans to deprecate the web services data dip connector on June 30, 2020 and the Bridge platform on January 1, 2021. Customers can migrate to the web services data actions integration, which runs as a Genesys Cloud service. For more information, see Deprecation Genesys Cloud Bridge integrations (Resource Center) 🛂 and About the web services data actions integration (Resource Center) 🛂

This API allows you to extend the functionality of the web services data dip connector. The connector works with Genesys Cloud and Architect and talks to any web services that you write using the API. You are responsible for writing the web services and tying them to your web service provider and your third-

party system, for example, a CRM or a database You can use default (Web Service Contracts) or custom connector actions to create web services that implement the web services data dip connector API. For a C# example and library, see webservice-datadip-connector-sample (GitHub) 🛂 and webservice-datadip-connector-lib (GitHub) 🛂

The default connector actions (Web Service Contracts) retrieve information about accounts, cases, or contacts from a third-party system. A custom connector action allows you to interact with information from a third-party system through user-defined schemas. For more information, see Web Service Contracts and Add a bridge action for connectors (Resource Center) .

- What is the connector, Genesys Cloud, and Architect responsible for? • What are you responsible for?
- What does the connector not do?
- What language do you need to use? · Example user-defined schemas Parameters
- properties object {property} object

Parameters

- Example use case with an SQL database • Example SQL REST service
- contactConfig object accountConfig object
- What is the connector, Genesys Cloud, and Architect responsible for?

. The creation of connector groups.

• The publication of data actions.

The connector, Genesys Cloud, and Architect handle the following tasks: • Authentication between Genesys Cloud and the connector.

- The routing of requests to the Bridge connector from Architect.

following tasks:

What are you responsible for?

For more information, see Web Service Contracts and Add a bridge action for connectors (Resource Center) <a>[</a>. • Tying the web service to your web service provider.

You are responsible for all aspects of your web service, web service provider, and third-party system (such as a CRM or database), which involve the

 Responding to requests. • Receiving information from your third-party system.

• Writing the web service that implements the default connector actions (Web Service Contracts) or custom connector actions.

- What does the connector **not** do?
- The connector does **not** handle the following tasks: Authentication between the connector and the web service that you write. Authentication to your third-party system.

• Data formatting or manipulation.

### The web service that you are writing does not live in the Bridge infrastructure, which means that you can develop your service using any language. For more information, see How the connector works (Resource Center)

What language do you need to use?

- Example user-defined schemas
- Custom connector actions allow a more flexible exchange of data between your third-party system and the web services data dip connector. When you add a custom connector action in Genesys Cloud, you add user-defined request and response schemas. The schemas allow you to specify the information that

### you want to request and receive from your web service. For more information, see Add a bridge action for connectors (Resource Center) 🗠 Important:

Description

Names of object. See {property}

• You are responsible for tying the schemas that you create to your web service and to the connector. For more information about setting up the connector, see About the web services data dip connector (Resource Center)

The connector only works with valid JSON schemas and does not validate the request and response bodies against the schemas.

The following information describes the schemas.

Data type

**Parameters** 

Data Name type		ntion M	lates		
PROPERTIES OBJECT					
		schema.	Warning: Do not change.		
additionalProperti	es Boolean	Additional properties for the	Default: true.		
properties	Object	See properties object.	These objects appear under <b>Inputs</b> in Architect call flows. <b>Warning</b> : Do not use nested objects. Schemas with nested objects do not flatten correctly.		
	01:				
			Warning: Do not change.		
type	String	Schema type.	Default: object.		
description	String	Schema description.			
title	String	Schema title.			
\$schema	String	Version of the schema standard used.	Default: http://json-schema.org/draft-04/schema#.  Warning: Do not change.		

### {PROPERTY} OBJECT

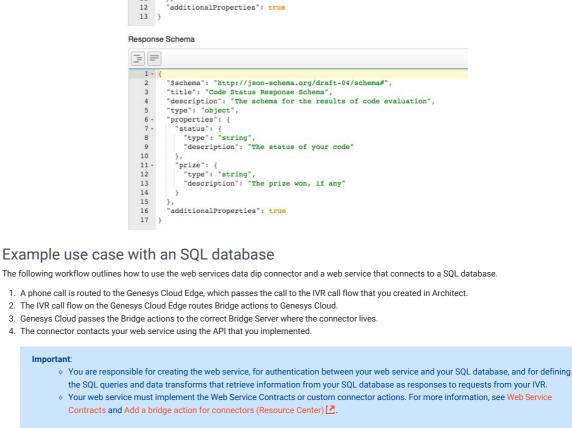
{property} Object

PROPERTY) OBJECT							
Name	Data type	Description	Notes				
type	Object	Type of object.	Supports all JSON types, except object, null, and nested arrays.				
description		3 "title": "Code Request So	o send a code for evaluation.",				

correctly.

These objects appear under Inputs in Architect call flows.

Warning: Do not use nested objects. Schemas with nested objects do not flatten



**Bridge Server** 

Web services data dip connector

### $5. \ \ Your \ web \ service \ contacts \ your \ SQL \ database, which \ returns \ information \ to \ your \ web \ service.$ Important: You are responsible for this portion of the workflow.

Important:

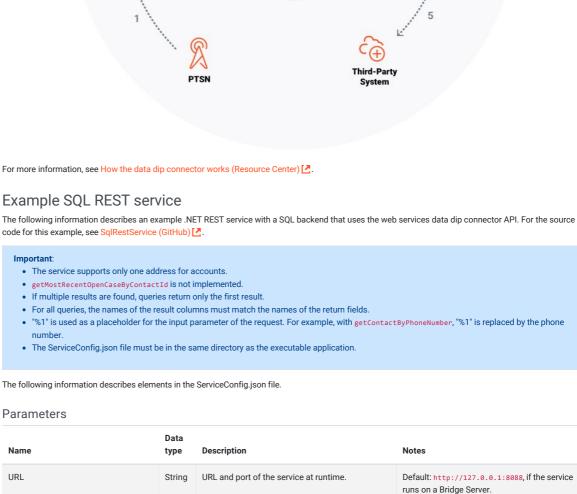
7. The connector sends the information back to Genesys Cloud by means of the Bridge Server. 8. Genesys Cloud sends this information to the IVR call flow, which performs tasks that you set up in Architect.

Important: You are responsible for the formatting of data being returned to the connector.

6. Your web service returns the information to the connector in the appropriate format.

PureCloud.

Pure**Cloud** Edge IVR call flow



connectionString String SQL database connection string. getContactByPhoneNumberQuery for contact information by phone number. String

String

String

String getMostRecentOpenCaseByContactId String Query for case information by contact ID.

Number of phone numbers to return.

## getAccountByAccountNumber getAccountByContactId

phoneCount

emailMappings

Array

getAccountByPhoneNumber

**Parameters** 

Name

URL

contactConfig Object			Instructions for retrieving contact information See contactConfig object.	n.
accountConfig		Object	Instructions for retrieving account information. See accountConfig object.	
CONTACTCON	IFIG OBJE	ECT		
Name	Data type	Description		Notes
fields	Array	List of contact fields to return.		Values: FirstName, LastName, FullName, Id, CustomAttribute.
getAddress	Boolean	The application returns an address (true) or does not return an address (false).		
addressFields	Array	List of address fields to return.		Values : Line1, Line2, Line3, City, State, Country, Type, PostalCode.

Query for account information by phone number.

Query for account information by account

Query for account information by contact ID.

phoneMappings	Array	Ordered list of phone numbers to return.	The first item in the list is returned as Phone1.	
emailCount	Integer	Number of email addresses to return.		
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ACCOUNTCON	IFIG OBJE	ECT		
Name	Data type	Description	Notes	
fields	Array	List of contact fields to return.	Values: FirstName, LastName, FullName, Id, CustomAttribute.	
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phoneCount	Integer	Number of phone numbers to return.		
phoneMappings	Array	Ordered list of phone numbers to return.	The first item in the list is returned as Phone1.	
emailCount	Integer	Number of email addresses to return.		

For more information about the web services data dip connector, see About the web services data dip connector (Resource Center) [...].

Ordered list of email addresses to return.

Was this page helpful?

The first item in the list is returned as Email1.