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WhatsApp Guide

Messaging Applications 9.1.0

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WhatsApp Guide

Important

Use of the WhatsApp channel requires approvals by WhatsApp/Meta and Genesys Product Management.

Current WhatsApp Business API On-Premises client version supported: 2.53.2

This document describes how to deploy and use the Genesys driver and plugin for WhatsApp.

- [Deploying the WhatsApp Driver](#)
- [Deploying Genesys Hub Plug-in for Workspace Desktop Edition](#)
- [Sample Business Process for WhatsApp](#)
- [Handling WhatsApp Interactions on Workspace Desktop Edition](#)

Deploying WhatsApp

Prerequisites

Component	Prerequisites
Digital Messaging Server (DMS)	<ul style="list-style-type: none">• For basic functionality, 9.1.003.12 or later is required.• For rich media notifications support and parallel processing of ESP requests, 9.1.005.04 or later is required.• For DMS scalability, DMS 9.1.007.05 or later is required.
Workspace Desktop Edition (WDE)	Minimum version 8.5.127.06 or later is required
eServices Manager	<ul style="list-style-type: none">• For basic functionality, 9.0.000.09 or later is required.• For rich media notifications support, 9.0.002.05 or later is required.
Genesys Driver for use with Genesys Hub	For DMS scalability, Genesys Driver for use with Genesys Hub 9.1.007.06 or later is required.

Deploy Digital Messaging Server

Follow the [installation procedure for Digital Messaging Server](#).

Create a WhatsApp channel in Genesys Hub

Follow the [procedure for creating a WhatsApp channel in Genesys Hub](#).

Install the channel driver

1. Navigate to the folder that contains the installation package for Genesys Driver for use with Genesys Hub.
2. Run the installation for Genesys Driver for use with Genesys Hub:

On Windows, run `setup.exe`

On Linux, run `install.sh`

3. When prompted by the installation dialog, specify the proper Configuration Server parameters for your environment and select the desired Digital Messaging Server application.
4. After installation, locate the **GenesysHubDriver.cfg** configuration file in the `\<Digital Messaging Server application>\media-channel-drivers\channel-github\Configuration` folder.
5. In GAX, open your Digital Messaging Server Application, go to the **Options** tab, and import options from the **GenesysHubDriver.cfg** file.

Configuration

All options are documented in the [Options Reference](#).

Configuring Chat Server

Set the following Chat Server options:

- `transcript-auto-save = 1`
This setting automatically saves the chat transcript in UCS in case of a solution failure.
- `xml-request-max-size = 100000`
Setting this value to 100 KB or more is required when using rich messaging functionality.

Follow [Deployment guidelines for async and regular chat](#) in the *Chat Server Administration* guide.

Endpoints

- Chat Server: in the **[endpoints]** section, add a queue called **async-chat-greet-queue**.
- Digital Messaging Server: in the **[channel-*any name*]** section for your WhatsApp channel, add an endpoint called **session-chat**.

(You must use a comma before the tenant ID. For example: `,1:session-chat`.)

Deploying WhatsApp

The screenshot displays the GAX Configuration interface for WhatsApp. The top navigation bar includes 'GAX', 'System Dashboard', 'Configuration', 'Routing Parameters', 'Administration', and 'Centralized Logs'. The breadcrumb trail is 'Home > Applications > Applications > eservices > WhatsApp > DigitalMessagingServer Properties'. The interface shows a table of Application Options for 'DigitalMessagingServer Properties'.

Name	Section	Key	Value
channel-abc-hub			
channel-ghub			
channel-ghub \ driver-classname	channel-ghub	driver-classname	com.genesyslab.mcr.smsserver.channel.ghub.driv.GHubDri...
channel-ghub \ inbound-route	channel-ghub	inbound-route	1.session-chat
channel-ghub \ inbound-route-by-call	channel-ghub	inbound-route-by-call	1.session-chat
channel-ghub \ media-type-chat-by-call	channel-ghub	media-type-chat-by-call	whatsappsession

The screenshot also shows the 'ChatServer Properties' configuration page. The breadcrumb trail is 'Home > Applications > Applications > eservices > ChatServer Properties'. The interface shows a table of Application Options for 'ChatServer Properties'.

Name	Section	Key	Value
endpoints:1			
endpoints:1 \ default	endpoints:1	default	Chat inbound queue
endpoints:1 \ session-chat	endpoints:1	session-chat	async-chat-greet-queue

Deploy Genesys Hub Plug-in for Workspace Desktop Edition

1. Install Workspace using the [ClickOnce deployment](#) procedure.
2. [Configure and install](#) the plugin, ensuring that your configuration procedure includes importing the template and metadata for the plugin. This makes roles and other required items available.
3. Open the Workspace Desktop Edition Deployment Manager.
4. Create a deployment package. In the **Customization** section, ensure that you select **Genesys Hub Plug-in for Workspace Desktop Edition**.

Workspace Desktop Edition Deployment Manager X

Package Information oo

Enter the installation package information

Application Name*: Workspace Desktop Edition

Identity: Allows multiple deployments on the same agent workstation

Publisher*: Genesys Telecommunications Laboratories

Application Group*: Workspace Desktop Edition

The following shortcut will be created in Windows Start Menu:
Genesys Telecommunications Laboratories/Workspace Desktop E...

Version*: 8.5.131.01 1

Binary Type*: 32 bits. Consumes smaller memory footprint.
 64 bits. Allows migration from a package initially deployed in 8.1.2 or earlier.
Consumes larger memory footprint on 64 bits OS.

Base URL*:
URL of the Virtual Directory corresponding to the deployment folder:
http://[Web Server]/[VirtualDirectory]

Customization: Add custom files
 Genesys Hub Plug-in for Workspace Desktop Edition
 WDE Skype Plug-in

< Back Next > Cancel

5. Deploy the package on a web server.

Genesys Telecommunications Laboratories Workspace Desktop Edition

Name: Workspace Desktop Edition

Version: 8.5.131.01.0

Publisher: Genesys Telecommunications Laboratories

The following prerequisites are required:

- .NET Framework 4.5

If these components are already installed, you can [launch](#) the application now. Otherwise, please contact your administrator.

[ClickOnce and .NET Framework Resources](#)

6. If you are using role-based access control,
 - You must assign all Workitem privileges. The plugin does not support unassigned Workitem privileges.
 - Assign **InteractionWorkspace.WhatsApp.canUse** privileges. This allows agents to load the WhatsApp plugin. If this permission is not set, the plugin will not load.
7. Provide values for the configuration options that you added to your Workspace Application, as described in the next section.

Configuring the Plugin

Plugin Options

All options for the plugin are located in the **[interaction-workspace]** section. Options are documented in the [Options Reference](#).

When using the [sample business process](#), set the following configuration options in the **[interaction-workspace]** section:

- `whatsappsession.on-hold-queue` to `async-chat-return-queue`
- **`workbin.whatsappsession.in-progress`** to `async-chat-main-workbin`

Workspace Desktop Edition Options

Workspace Desktop Edition options are documented in the [Configuration Options Reference](#) section of the Workspace Desktop Edition Deployment Guide. The following settings are recommended:

- **`contact.directory-displayed-columns`** = `LastName,FirstName,PhoneNumber,EmailAddress, _msg_ProfileNickname`

- **contact.directory-search-attributes** = LastName,FirstName,PhoneNumber,EmailAddress, _msg_ProfileNickname
- **contact.displayed-attributes** = Title,FirstName,LastName,PhoneNumber,EmailAddress, _msg_ProfileNickname
- **display-format.case-name-format** = \$Contact._msg_ProfileNickname|\$Contact.FirstName\$ \$Contact.LastName|\$Interaction.MainParty\$
- **display-format.customer-name-format** = \$Contact._msg_ProfileNickname|\$Contact.FirstName\$ \$Contact.LastName|\$Party.DisplayName\$
- **interaction.window-title** = (\$Contact.FirstName\$ \$Contact.LastName\$ \$Interaction._msg_ProfileNickname|\$Interaction.MainParty\$) - \$Interaction.Type\$ - \$Window.Title\$
- **toast.window-title** = (\$Contact._msg_ProfileNickname|\$Contact.FirstName\$ \$Contact.LastName|\$Interaction.MainParty\$) - \$Window.Title\$

Important

The plugin supports only the **Default** and **HighContrast** themes. If any other theme is specified, the plugin icons will be missing.

Other configuration

- Create the following media type in the Configuration Server database: **whatsappsession**. Next, add the **whatsappsession** media type to your environment's **capacity rules** and specify how many instances of **whatsappsession** interactions are allowed simultaneously.
- Create a Business Attribute of type **Interaction Subtype** with the name **InternalConferenceInvite**.
- Genesys recommends that you increase the default value of the session-shutdown-timeout option in DMS to 1800 (30 minutes).

Contact Attributes

In Genesys Administrator or Configuration Manager, create the following Business Attribute Values for the **Contact Attributes** Business Attribute:

Profile Nickname

- **Name**—_msg_ProfileNickname
- **Display Name**—Profile Nickname

In the **Annex** tab, add the following options in the **[settings]** section:

- **is-searchable** = false

- **is-sortable** = false

Automatic notifications configuration

The following options are used to configure the automatic notifications feature for WhatsApp:

- `whatsappsession.enable-free-msg-timespan-monitoring`—Enable or disable the feature by setting this option to True or False.
- `whatsappsession.free-msg-timespan`—Set the timeout after which agents can only send Notifications.
- `whatsappsession.default-notification-text`—Provide the default notification text that will be sent to the brand's user when an agent sends a message after the configured timeout.
- `whatsappsession.default-notification-id`—Provide the notification ID for the default notification text.
- `whatsappsession.default-notification-language`—Indicate the language used in the default notification text.

Important

Values of options, **`whatsappsession.default-notification-text`**, **`whatsappsession.default-notification-id`**, and **`whatsappsession.default-notification-language`** must match with the values in the WhatsApp template for the default notification. For more information, refer to [Create message templates for your WhatsApp Business API account](#).

Location preview configuration

The following options are used to configure the map provider for incoming locations:

- `whatsappsession.location-map.browse.query`—Provide the URL for navigating to the map provider website.
- `whatsappsession.location-map.preview.query`—Request the configured map provider to respond with a location preview.
- `whatsappsession.location-map.preview.height`—Set the height of the location preview, in pixels.
- `whatsappsession.location-map.preview.width`—Set the width of the location preview, in pixels.

The location preview image is rendered by the third-party map provider if the option **`whatsappsession.location-map.preview.query`** is not empty. The Genesys Hub Plug-in for Workspace Desktop Edition makes a REST API call and draws the image from response. This is called as static map. One of the following map providers can be used:

- Bing Maps
- Google Maps
- Yandex Maps
- Any map provider with the similar REST API and image response

Usually, the common input data for all map providers is as follows:

- Access token
- Scale
- Image width and height
- Position latitude and longitude

All this data except the position (latitude and longitude) must be hard coded into the query string template. For latitude and longitude, you must have the placeholders {LATITUDE} and {LONGITUDE}. These two values are dynamically updated with values from the inbound location message JSON. For height and width of the location preview, the placeholders are {HEIGHT} and {WIDTH}.

Role permissions

Sending attachments

Administrators can control whether an agent is allowed to send attachments in WhatsApp interactions using the following permissions:

Permission name	Display name	Description
InteractionWorkspace.WhatsApp.canSendFiles	WhatsApp - Can Send Files	The agent is permitted to send files as attachments
InteractionWorkspace.WhatsApp.canChangeAttachmentsInNotification	WhatsApp - Can Change Attachments in Notification	The agent is permitted to change attachments in Notifications
InteractionWorkspace.WhatsApp.canChangeAttachmentsInReplyButton	WhatsApp - Can Change Attachments in Reply Button	The agent is permitted to change Attachments in Reply Button

Configuration for sending outbound messages from other channels

Role permissions

Permission name	Display name	Description
InteractionWorkspace.WhatsApp.canCreateNewSessionFromOtherMedia	WhatsApp - Can Create new session from other media	The agent can create a new outbound WhatsApp session from other media channels

Configuration Option

Administrators must add or configure the following option if the key-value pairs `_umsOutboundSessionConfig` is missing from the attached data of the **Business Process**:

Option Name: **whatsappsession.outbound-session-config**

Default Value: No default value

Valid Values: Valid JSON object string

Changes Take Effect: Immediately

Description: JSON object string containing a list of channels to be used for outbound sessions in other

media interactions.

```
Sample Value: {"channels" : [{"server-name": " DigitalMessagingServer ", "channel-name": "channel-whatsapp-1", "business-id": "19251112221"}, {"server-name": " DigitalMessagingServer ", "channel-name": "channel-whatsapp-2", "business-id": "19251112222"}]}
```

Configuration for displaying emojis in chat transcript

This method helps you to configure the plugin to display emojis in chat transcript for both inbound and outbound messages.

1. Identify the emoji that you need to add. For example, 💎 (smiling face with hearts) is used in this procedure.
2. Find the corresponding Unicode number for the emoji. In our example, it is 1f970.
3. Prepare a PNG file with the emoji and save it in the name format, **<Emoji Unicode>.png**. In our example, the file name is **1f970.png**.
4. Navigate to the installation folder of the Genesys Hub Plugin which is **<WDE installation folder>\GenesysHub**. Find the **CustomEmojis.xml** and open it in a text editor.
5. In the **CustomEmojis.xml**, add an emoji definition in the format, **<Emoticon Emoji="💎" Code="1f970"/>**. You can refer to any third-party site, for example, [Copy and paste emoji](#) to copy and paste the emoji easily.
6. Copy and paste the PNG file from **Step 3** into **<WDE installation folder>\GenesysHub\Images\Emojis** folder.

Uninstalling or upgrading

Driver

Uninstalling the driver

1. Stop the DMS application with the driver. This can be done for example via GAX (or **Services** if using Windows).
2. Uninstall the driver:
 - On Windows through **Control Panel > Programs and Features**.
 - On Linux by running the **./uninstall_custom.sh** script from the **media-channel-drivers/channel-github/uninstall** folder.
3. Verify that the folder **channel-github** was removed under folder **media-channel-drivers**.

Upgrading the driver

1. Follow the procedure above to uninstall the old version of the driver.

2. Install the new version of the driver, using the instructions above on this page.
3. Start the DMS application with the driver.

Plugin

Uninstalling the plugin

1. Uninstall the plugin.
2. Create a deployment package with **Workspace Desktop Edition Deployment Manager**.
3. Deploy the package onto a web server.

Upgrading the plugin

1. Follow the procedure above to uninstall the old version of the plugin.
2. Install the new version of the plugin, using the instructions above on this page.
3. Create a deployment package with **Workspace Desktop Edition Deployment Manager**. Ensure you select the plugin in the **Customization** section.
4. Deploy the package and plugin onto a web server.

Sample Business Process for WhatsApp

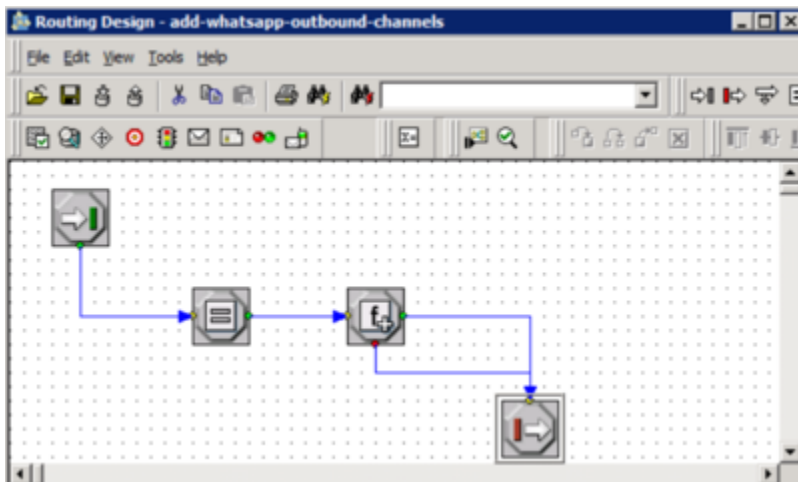
WhatsApp uses the same business process as Chat. Refer to the [Chat Business Process Sample](#) for more information.

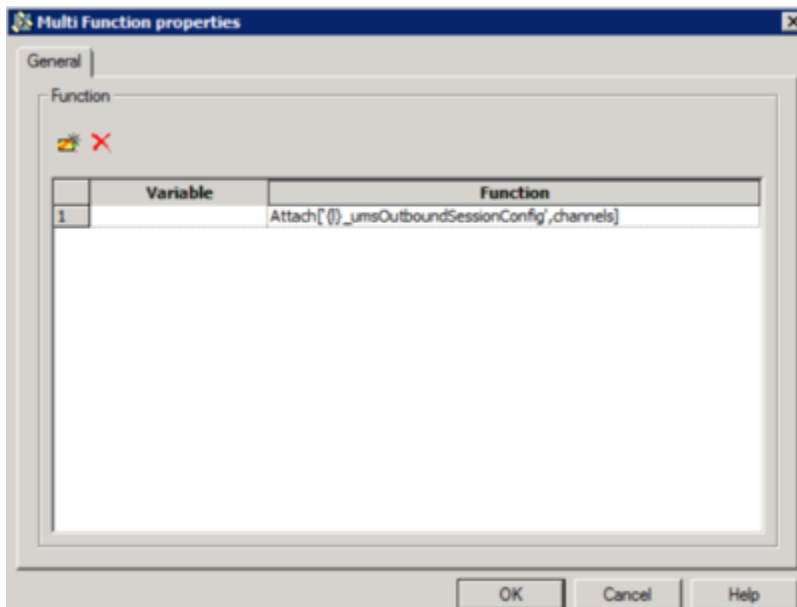
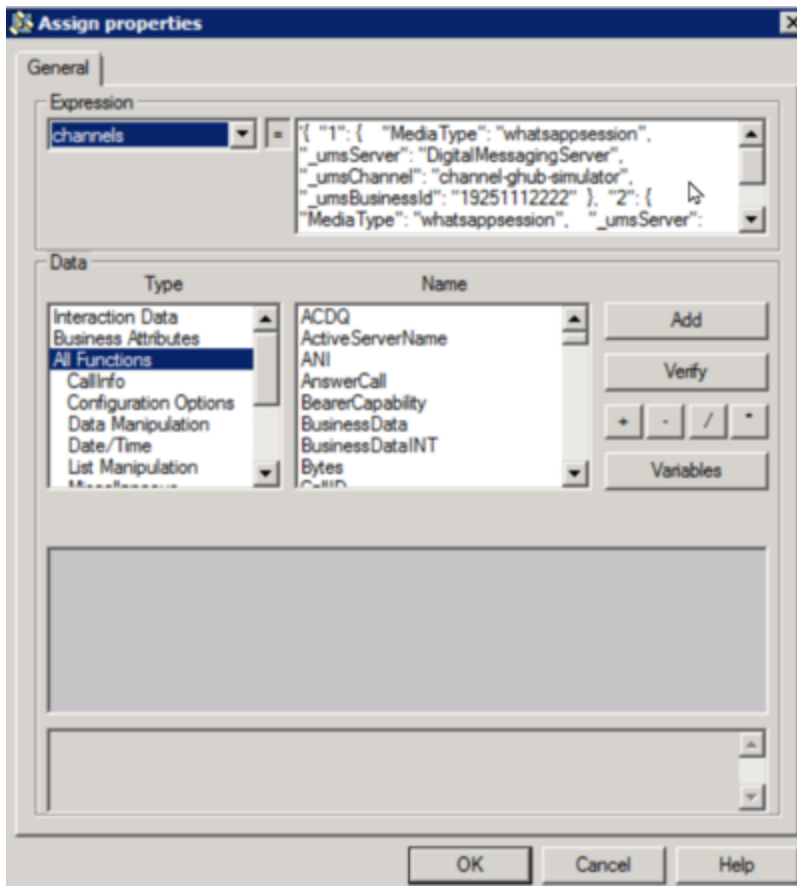
Business Process modifications

The list of channels available to the agent must be added to attached data prior to routing the interaction to the agent. This is required to enable agents to send outbound messages from a voice interaction or other interactions.

Sample data structure:

```
{
  "_umsOutboundSessionConfig": {
    "1": {
      "MediaType": "whatsappsession",
      "_umsServer": "DigitalMessagingServer",
      "_umsChannel": "channel-ghub-simulator",
      "_umsBusinessId": "19251112222"
    },
    "2": {
      "MediaType": "whatsappsession",
      "_umsServer": "DigitalMessagingServer",
      "_umsChannel": "channel-abc-hub-sim",
      "_umsBusinessId": "19251112222"
    }
  }
}
```





Checking if a Contact Uses WhatsApp

This page describes how to verify whether a contact uses WhatsApp. Refer to the [WhatsApp developer documentation](#) for more information on how to use this feature.

Warning

Feature Deprecation

Genesys plans to update the WhatsApp Business API Client to the recommended version 2.45.1 before March 18, 2023, from its current version 2.41.3.

As a result, the behavior of the **contacts** endpoint will change. The response to **contacts** requests will no longer provide accurate status information about a phone number; it will always return a valid status and a WhatsApp ID, regardless of whether the phone number is associated with WhatsApp or not. Therefore, the WhatsApp ID returned may not always be valid.

If you use the **ValidateContact** feature as documented below, we recommend that you remove this request to avoid issues with your routing strategies and ensure that your business processes don't rely on the status of the WhatsApp ID returned.

The WhatsApp Business Platform On-Premises API changelog is available at <https://developers.facebook.com/docs/whatsapp/on-premises/changelog>.

Sending an ESP request

To verify whether a contact uses WhatsApp, your strategy must send an External Services Protocol (ESP) request that specifies the following:

- **AppType**—Enter the value 171, which is the application type for DMS, or select **SocialIMS** in the ESP object in Interaction Routing Designer (IRD). This setting is not required if **AppName** is set in the request.
- **AppName**—Specify the name of the DMS Application, as defined in Configuration Sever.
- **Service**—Messaging
- **Method**—ValidateContact

Request parameters

Parameter	Type	Value	Description
_umsChannel	string	The DMS channel name	Specify the DMS channel name for WhatsApp. You can omit this parameter if only

Parameter	Type	Value	Description
			one channel is configured in your environment.
Id	string	Contact phone number	Specify the contact's phone number. Refer to Recommended phone number formats for WhatsApp .

Recommended phone number formats for WhatsApp

Important

When there is no plus sign (+) at the beginning of the phone number, the country code is determined using the phone number that your WhatsApp Business On-Premises API client is registered under, so phone numbers associated with a different country code will fail.

The recommended best practice is to always specify the country code with the phone number and explicitly prefix it with a plus sign (+).

Here are some examples that demonstrate this behavior, assuming the WhatsApp Business On-Premises API client is registered with an Indian phone number (i.e., country code is +91):

Phone Number	Translated Phone Number	Valid?
"+1-631-555-1002"	"+16315551002"	Yes
"6315551002"	"+916315551002"	No
"1-631-555-1002"	"+9116315551002"	No
"+1 (516) 283-7151"	"+15162837151"	Yes
"+54 9 11 5612-1008"	"+5491156121008"	Yes

Response parameters

Parameter	Type	Value	Description
Id	string	Normalized contact phone number	If the contact was confirmed by WhatsApp, the value is the contact's normalized phone number. Otherwise, an empty string is returned.

Error responses

Error Code	Message
900	"%s %s" (generic error)
901	"%s connection with %s failed"
701	"Request is invalid: Service or Method name was not specified..."
902	"%s unknown %s" (might be "unknown service", "unknown method", "unknown service or method" or similar)
904	"%s incorrect %s"
920	"%s failed to execute request %s"

WhatsApp Hub Driver Attributes

The following is a list of attributes that WhatsApp Hub Driver adds to the interaction.

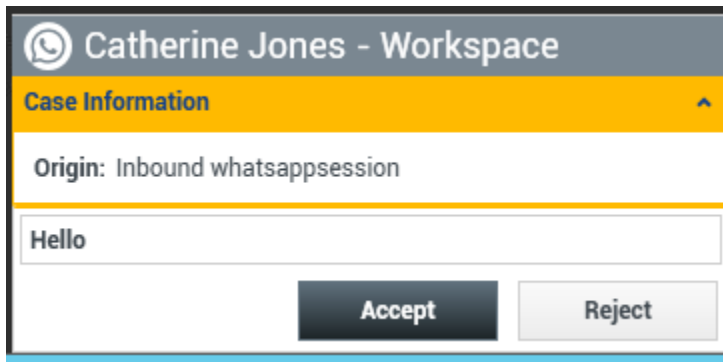
Attribute	Type	Description
_umsInboundIxnSubmittedBy	String	Digital Messaging Server application name
_umsChannel	String	Digital Messaging Server channel name
_umsMediaType	String	Always "whatsapp" value
_umsMediaTypeChat	String	Always "whatsappsession" value
_umsMsgType	String	Always "text" value
_umsMsgId	String	Message identifier received from Genesys Hub
_umsMsgOriginTime	String	Message creation time
_umsFromAddr	String	WhatsApp client's phone number
_umsToAddr	String	WhatsApp business's phone number
_msg_ProfileNickname	String	WhatsApp client's nickname
_umsMsgPlainText	String	Text of message
PhoneNumber	String	WhatsApp client's phone number
Subject	String	Subject of message

Handling WhatsApp Interactions on Workspace Desktop Edition

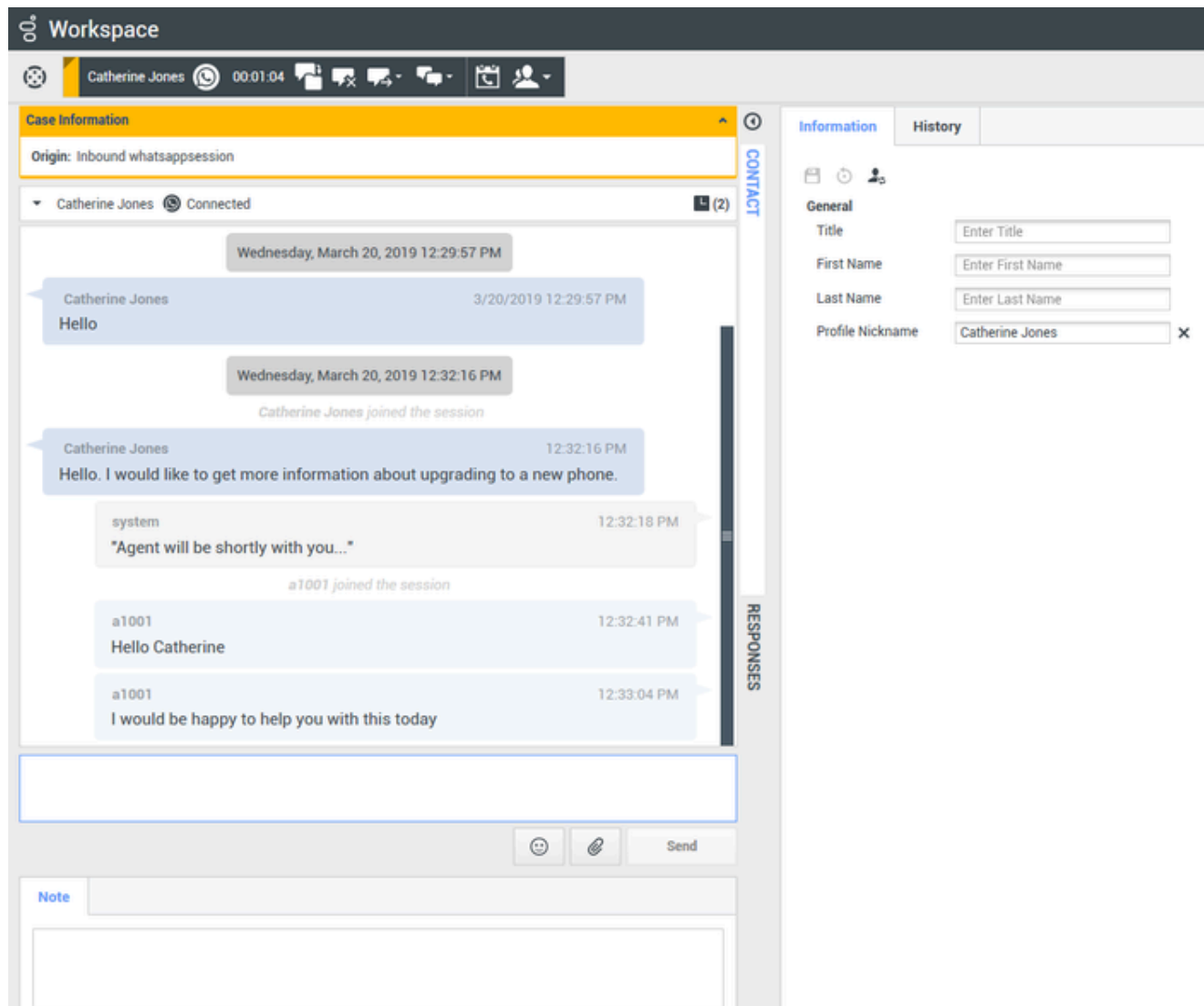
This section describes using Workspace Desktop Edition to receive and handle interactions coming from the WhatsApp channel of Genesys Messaging Apps.

Receiving and handling an inbound interaction

If you are the selected internal target of an inbound WhatsApp interaction, you receive a notice on your workstation desktop. You can decide to accept or reject the interaction.



If you accept it, the WhatsApp Interaction window is displayed. This window contains information about the interaction and the controls that you need to complete the interaction.



The message area appears similar to a smartphone-based messaging app client:

- Client messages are left-aligned.
- Agent messages are right-aligned.
- Errors are centered.
- The date for when the session started is centered.

Each message contains a timestamp of when the message is received by the plugin. If there is a delay in receiving a message, the message origination time is shown using bold font and the message arrival time is shown as a tooltip. When there is no delay, only the message arrival time is shown.



If there is an issue in displaying the message in the correct chronological order, the timestamp is highlighted in red.

If the customer's contact information matches an entry in your contact database, the customer's name appears in the message area. Otherwise, a default nickname appears. Additionally, if the customer previously contacted your company using WhatsApp, these previous interactions appear in the message area. Depending on your settings and the number of previous messages, you might need to click **see older messages...** to see previous WhatsApp messages from the current contact. Records of previous WhatsApp interactions, as well as records of other interaction types, also appear in the [Contact History](#) view in Workspace.

You can see the transcript only for the current WhatsApp channel.

Important

- Administrators can configure colors and text size. See the [configuration options](#) page for more information.
- Administrators can configure the option `whatsappsession.transcript-interactions-count` to specify how many messages from previous interactions appear in the chat message window.
- Administrators can configure the option `whatsappsession.max-text-message-size` to set the maximum size of the outbound text message, specified in bytes by converting the message string to UTF-8 encoding. A notification appears below the message area if the maximum value is exceeded. Some symbols might require additional characters, such as emojis.
- Administrators can enable agents to see messages from multiple WhatsApp channels in the transcript by setting the `whatsappsession.show-cross-channel-messages` option to `True`.
- Administrators can set the delay timespan using the **`whatsappsession.message-delay-timespan`** option to indicate whether there is a delay in receiving a message or not.



Lesson: Handling an inbound WhatsApp interaction

Purpose: To handle an inbound WhatsApp interaction properly.

Prerequisites

- You are logged in to Workspace (see [Lesson: Logging in to Workspace](#)).
- Your status is Ready for the WhatsApp media channel (see [Lesson: Going Ready in the Workspace Main window](#)).
- You are the internal target of the inbound interaction.

Start

1. A preview of the inbound interaction is displayed on your workstation desktop in an interactive-notification view. The Interaction Preview contains a summary of information that pertains to the interaction, including contact information and type of interaction. The Interaction Preview might also contain Case Information, which is part of the case data about the interaction.
2. You can choose to accept or reject the interaction in the Interaction Preview by performing one of the following steps:
 - Click Accept to display the interaction.
 - Click Reject to return the interaction to the queue.
 - Do nothing. The interaction will time out and be redirected.
3. To reply to the message, just enter text in the message area. You can copy and paste selected text.
4. (Optional) If necessary, you can transfer the conversation to another agent, or invite another agent to join a conference.
 1. Click  (transfer) or  (conference), and select the type of target.
 2. Click the magnifying glass to search by name or phone number.

Important


- Before agents can request a conference, an administrator must:
 - Set the option `intercommunication.whatsappsession.queue` before agents can request a conference via the Skill or Group option.
 - Create a Business Attribute of type **Interaction Subtype** with the name **InternalConferenceInvite**.
- For more information on transfers, refer to the Workspace documentation topic [Lesson: Starting an instant SMS transfer](#), which is similar to the WhatsApp procedure.
- Administrators can enable or disable the incoming message blinking feature using the `whatsappsession.new-message-blinking` option. Additionally, they can also control the duration of blinking using the `whatsappsession.new-message-blinking-duration` option when this feature is enabled.
- Administrators can control whether the chat transcript window scrolls automatically down or not whenever there is a new message by configuring the **`whatsappsession.focus-on-new-messages`** option.

End

Next Steps

- You may wish to use some of the the features in described below. When you are finished, click Done to stop the current interaction. The information is saved in the contact history and the WhatsApp Interaction window is closed. You can also [set a disposition code](#).

Pending response indicator


When you receive a message from a contact, a timer is started and a pending response indicator appears next to the interaction-type icon at the top of the WhatsApp interaction window (). The duration of the timer is specified by your administrator with the option `whatsappsession.pending-response-to-customer`. This timer indicates that you have a pending response to the contact.

The color of the pending response indicator begins as green. If you have not responded by a specific time interval, the indicator changes to yellow. If you still have not responded by a second time interval, the indicator changes to red and begins to flash. The indicator disappears after you send a message to the contact.

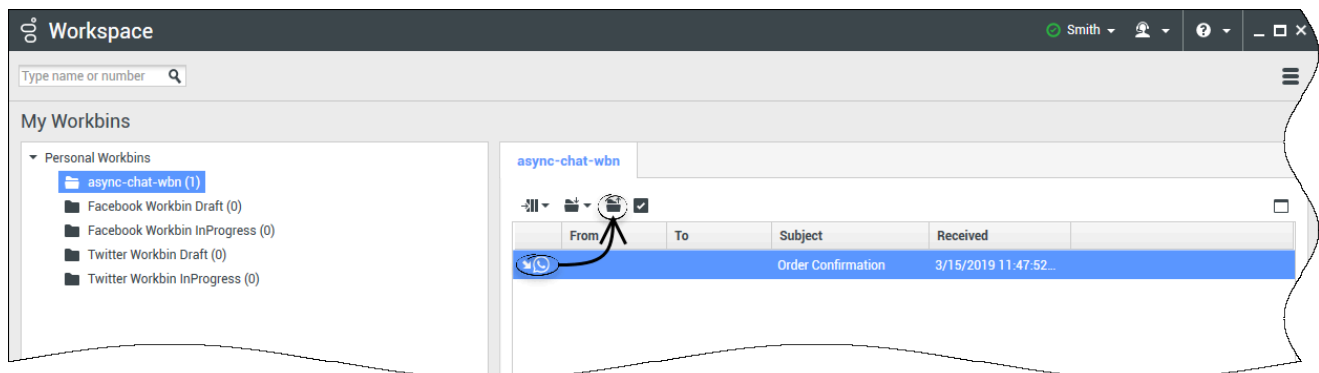
If you have a pending response, and the WhatsApp interaction window is not the active window, the Workspace task icon begins to flash in the Windows taskbar, regardless of the condition that is displayed by the pending response indicator. This flashing stops as soon as you navigate back to the interaction by clicking the Interaction control bar.

Using workbins

Your company might use **workbins** to manage WhatsApp interactions. A workbin is like a queue in which you can store interactions that are to be handled later. Additionally, when you log out, open WhatsApp interactions are transferred to a workbin for later use. If a customer resumes one of these interactions, it is automatically removed from the workbin and transferred to an available agent.

Click  to transfer the interaction to a workbin. The interaction closes in Workspace but the session remains active in the background (server-side) and for the end customer.

To retrieve the interaction from the workbin, select the interaction and click Open, as shown below:



Standard Response Library

You can use the Workspace Standard Response Library to insert prepared replies into your conversation. Text is sent first in a separate message, followed by attachments (if any). You can click the **X** above an attachment file to remove it from the response.

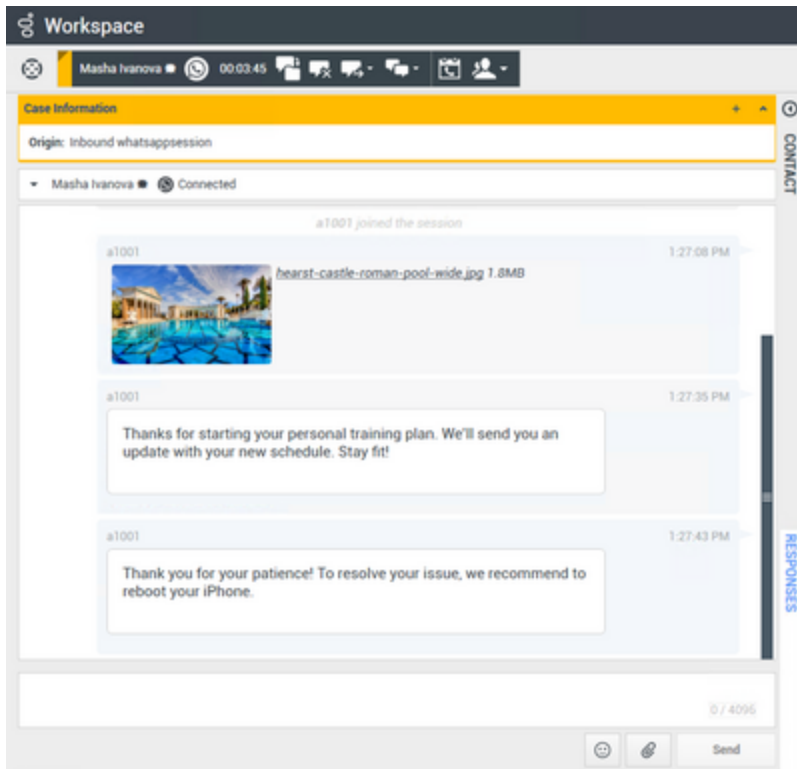
Tip

- See [Using The Standard Response Library](#) in the Workspace Desktop Edition documentation for more general information on using standard responses.
- You can also use a shortcut to insert a standard response into a WhatsApp interaction. For information on how to use these shortcuts, refer to [Using a shortcut to insert a standard response](#).
- Administrators can refer to the [eServices Manager documentation](#) for information on configuring structured messages for WhatsApp.
- High contrast theme is also supported for WhatsApp structured messages.
- Refer to the [WhatsApp documentation](#) for more information on using structured messages.

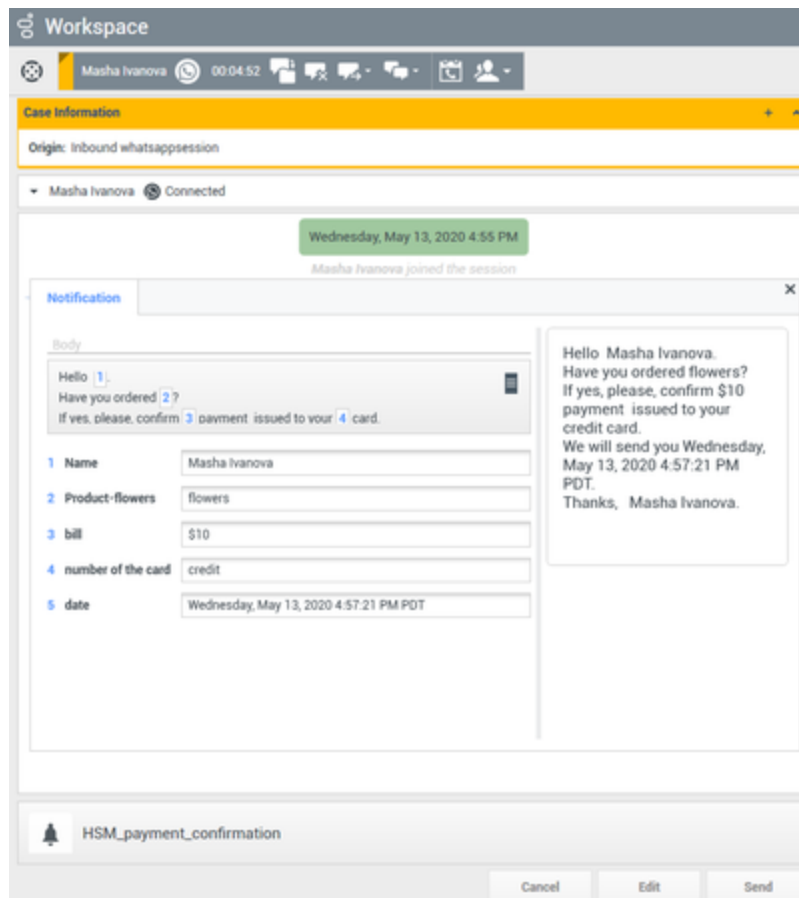
Notifications

You can also use standard responses to insert structured messages (also known as *Notifications*) into WhatsApp interactions. These messages are used to notify customers of useful information such as account balances, service alerts, and more.

You use this feature in the same way you would use a standard response. In the **Responses** tab, select the standard response that uses the Notification feature and insert it into the conversation. The following is an example Notification message



After you insert the Notification, you can click either the Notification icon or **Edit** to access the **Notification** tab and edit the parameter values that are used in the message. After you are done editing, click **Send** to send the notification, or **Cancel** to cancel the action.



Rich media notifications

You can send rich media notifications (also known as media message templates) to your customers by inserting structured messages from standard responses. You can also view/preview the rich media notifications in your chat transcript. The conventional notification feature using the standard message templates is limited to text-based alerts only. Rich media notifications expand this function by adding support for attachments such as videos, images, and documents.

A rich media notification can contain the following fields:

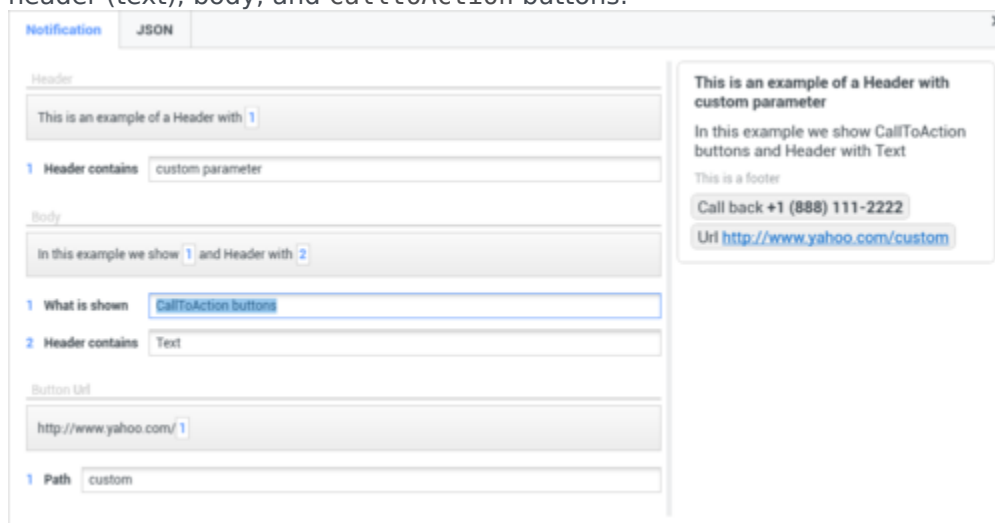
- **Header** (optional) – Contains either text (limited to 60 characters) or a media attachment such as a video, image, or document. We recommend that you select the appropriate file type for your attachments. You can preview it and edit the parameter in the text header.
- **Body** – Contains the text of your message notification (limited to 1024 characters). You can preview it and edit the parameters.
- **Footer** (optional) – Contains any disclaimer or a signature (limited to 60 characters) that must be sent as the default footer text. You cannot edit, but you can preview it.

In addition to the above fields, you can also include a `CalltoAction` or `QuickReply` button (optional) in your notifications which lets your customers quickly respond to your message or take an action.

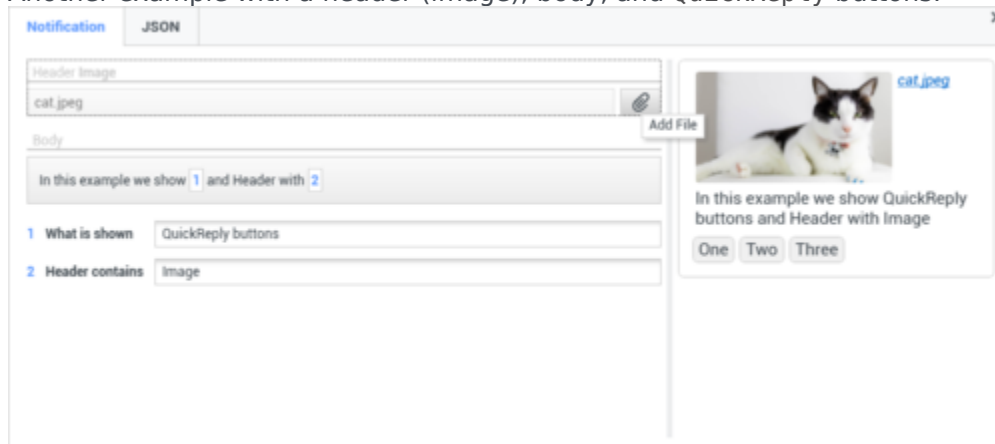
- The QuickReply buttons allow your customers to choose from up to three options, such as **Yes**, **No**, or **Maybe**.
- The CalltoAction buttons may include options such as Call now and Visit our website that allow you to add a phone number or a website URL to your message. You can choose from a static website URL or a dynamic website URL, which creates a personalized link for the customer by adding a parameter at the end of the link. You can edit this parameter and preview all buttons before sending the notification.

To use this feature, select the applicable standard response from the **Responses** tab and insert it into the conversation. You can preview the notification on the right side of the editor window.

A short video on how to send a rich media notification using the [standard response template created in eServices Manager: Link to video](#) The following is an example of a rich media notification with a header (text), body, and CalltoAction buttons:



Another example with a header (image), body, and QuickReply buttons:

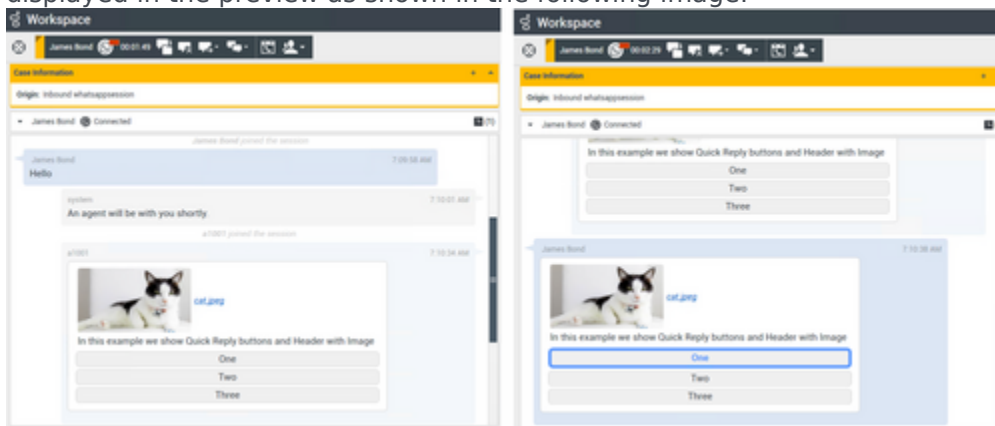


After you have made the required changes using **Edit**, send the notification by clicking **Send** or cancel the action by clicking **Cancel**.

Important

- An editable parameter inside the header or button cannot have new line characters, tab characters, or more than four consecutive spaces.
- In case of an error in the content or format of the notification, an appropriate error message is displayed, and the **Send** button is disabled.

If the customer responds to your QuickReply notification within the same interaction, the option selected by the customer is highlighted in the reply message and the entire notification structure is displayed in the preview as shown in the following image:



Interactive Messages

Starting with 9.1.008.06, you can send interactive messages containing Reply Buttons and List Messages. The interactive messages are like **Rich Media Notifications** in how they are inserted, edited, and sent to customers.

- The Reply Buttons allow your customers to choose from up to 3 options. The **Header** section of Reply Buttons can include text or an attachment. Agents are allowed to change the attachments in the Reply Buttons if the **WhatsApp - Can Change Attachments in Reply Button** role permission is configured.
- The List Messages allow your customers to choose from up to 10 options from a customized menu.

Each button can contain text of up to 20 Characters and a minimum of one button is mandatory for both Reply Buttons and List Messages.

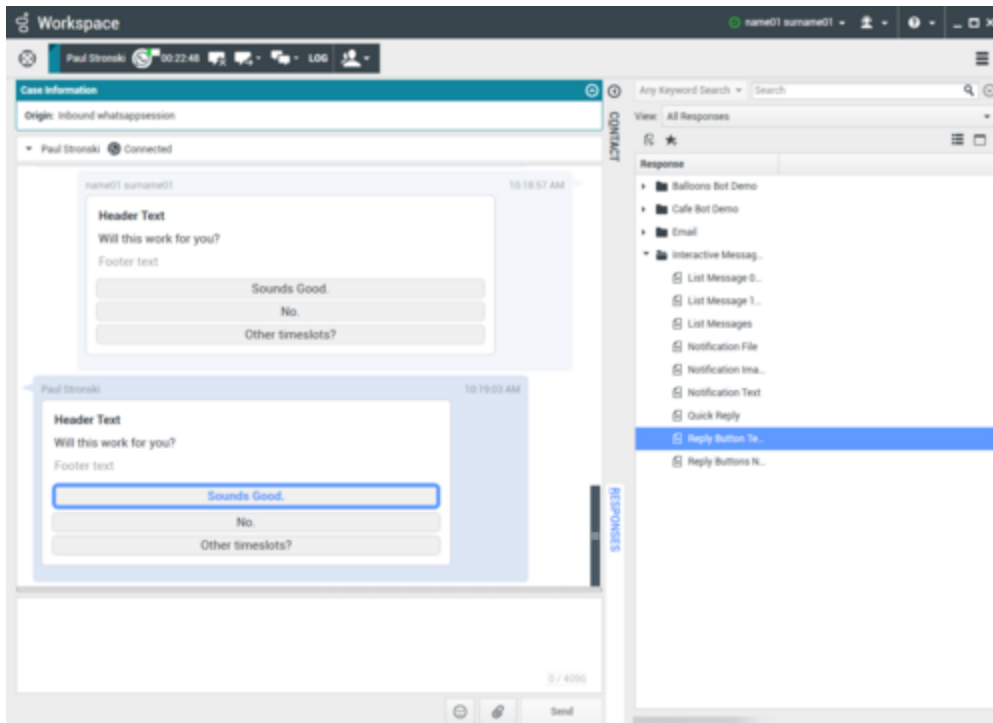
Important

- Interactive messages can be combined in the same workflow.

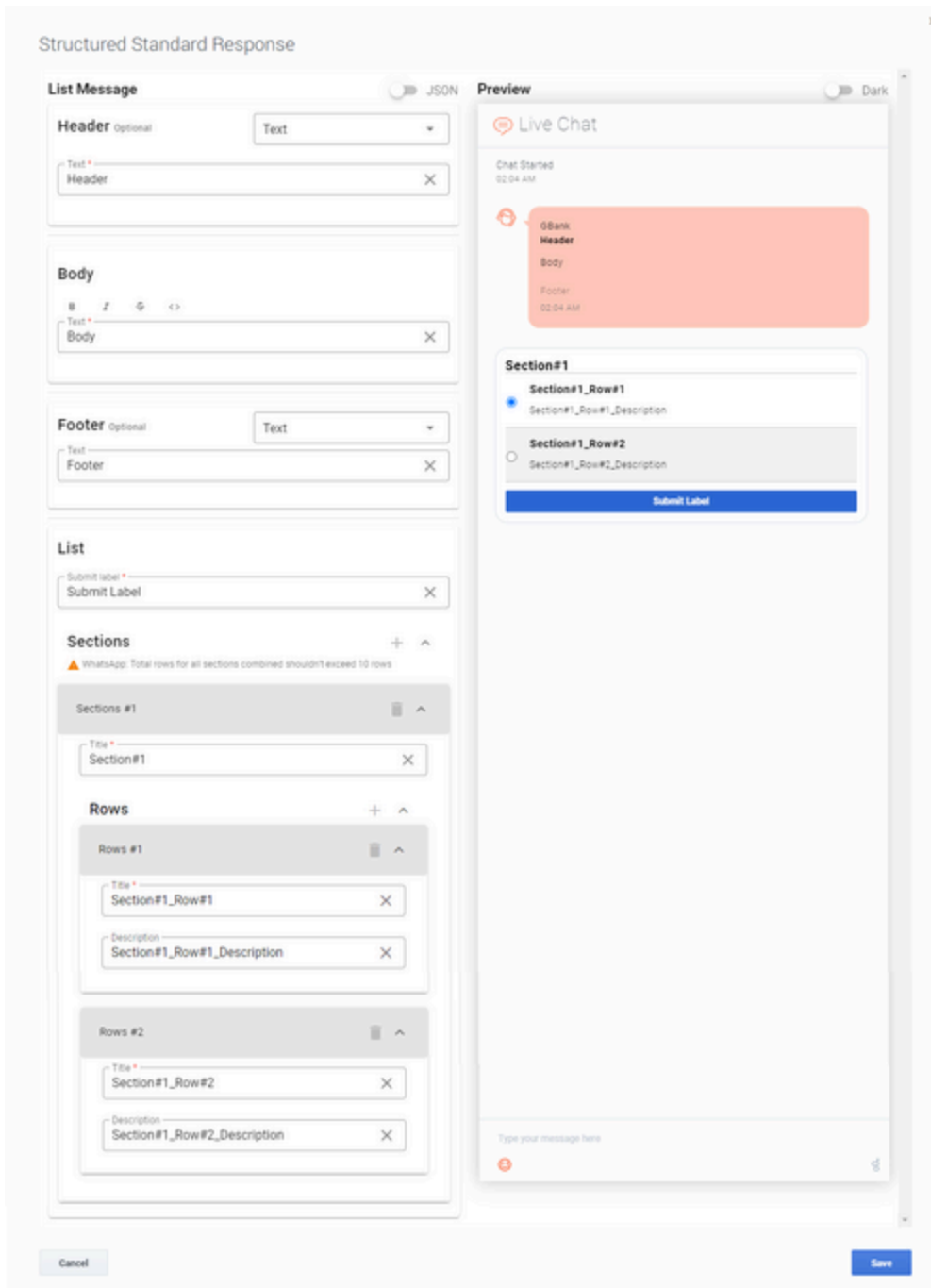
- Customers cannot select more than one option at the same time from a list or button message, but they can go back and re-open a previous message.
- Reply Buttons or List Messages cannot be used as notifications. Currently, they can only be sent within 24 hours of the last message sent by the customer. If you try to send a message outside the 24-hour window, you get an error message.

The following is an example of an interactive message with a header (image), body, and Reply

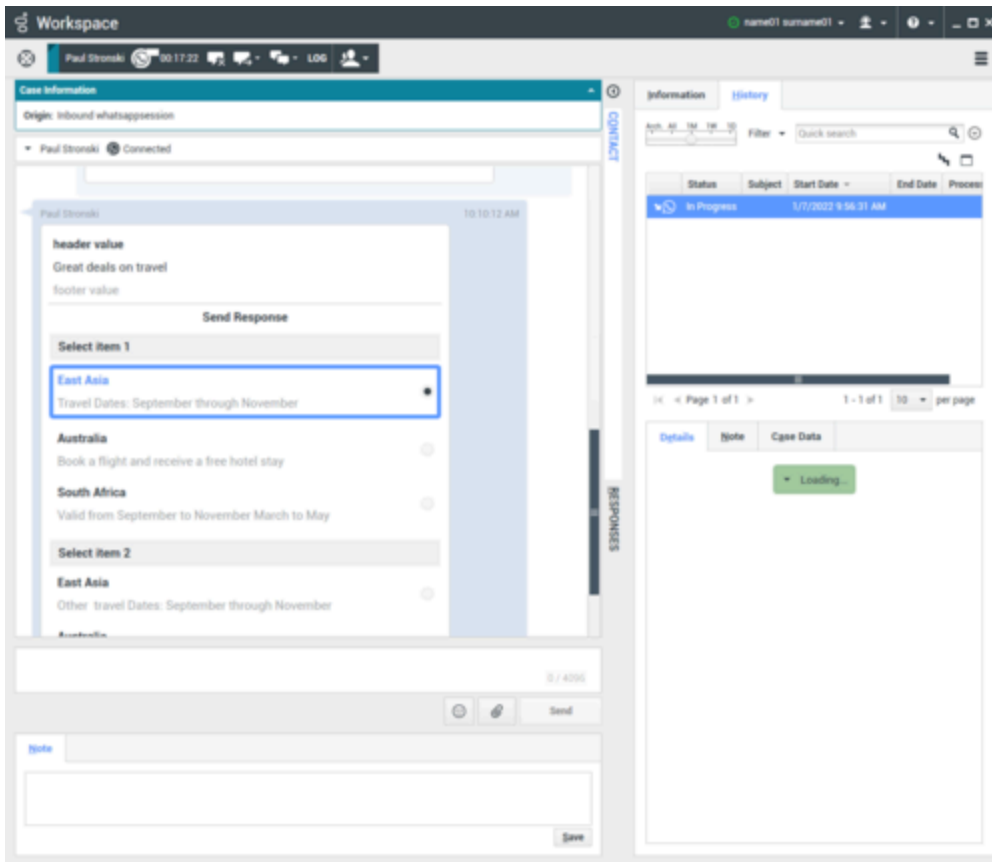
Button: If the customer responds to your interactive message, the option selected by the customer is highlighted in the reply message as shown in the following image:




The following is an example of an interactive message with a header (text), body, and List Message:



If the customer responds to your interactive message, the option selected by the customer is highlighted in the reply message as shown in the following image:



Attachments

Click  to attach a file. After attaching a file, you can preview the file before clicking **Send** when the **whatsappsession.two-step-attachment-upload** option is set to true. If the option is set to false, the attachment is sent immediately after you select the file.

You can also receive attachments.

- Click the corresponding icon in the transcript area to display or play the attachment.
- Right-click the icon and select **Save as...** to save the attachment.

Important

- The file size of an attached file must be smaller than 100 MB.
- The size and type of file that you can attach might be further limited by your

configuration.

- A system specific file icon is shown.

The following attachment types are supported:

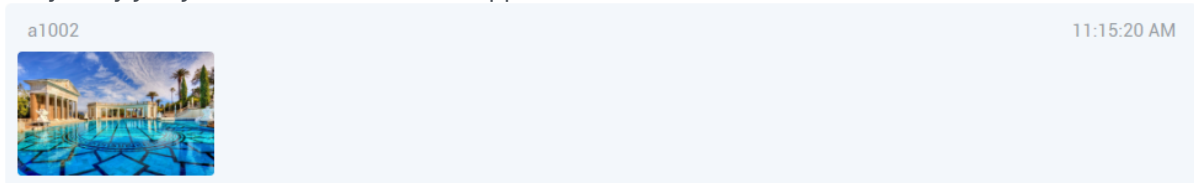
- Non-multimedia files—Non-multimedia files are opened by the default application for that file type. Currently, the following document types are supported: PDF, DOC(X), PPT(X), and XLS(X).



- Audio—An audio attachment icon appears in the message area. Select the icon to open the audio file. Currently, the following file types are supported: AAC, AMR, and OPUS.



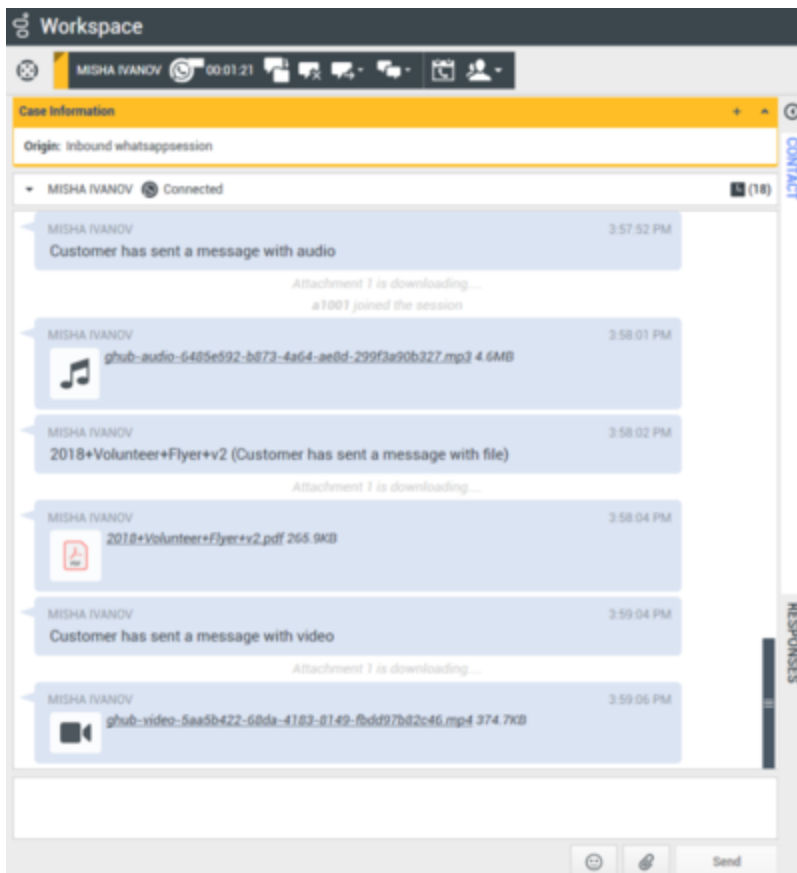
- Images—A preview of the image appears in the message area. Select the image to open the image. Currently, only JPG/JPEG and PNG files are supported.



- Videos—A video attachment icon appears in the message area. Select the icon to open the video. Currently, only MP4 videos are supported.



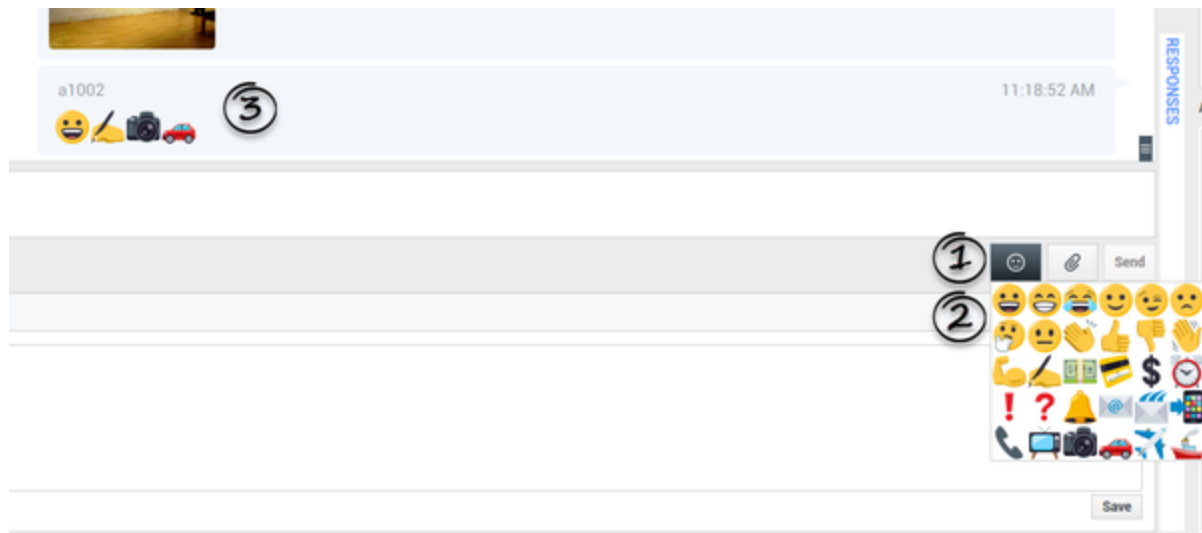
A thumbnail that indicates the attachment type along with the attachment's file name and size is displayed for each incoming attachment.



Emojis

WhatsApp provides a set of emojis that you can use in chat interactions.

1. Click the smiley-face icon to get a selection window.
2. Select an emoji.
3. When you select an emoji, it appears in the message area.



Important

- The emoji offering is determined by the setting of the `whatsappsession.emojis-business-attribute` option . If there are no emojis configured or no section specified in the **`whatsappsession.emojis-business-attribute`** option, the plugin displays a default set of emojis.
- Refer to the "Enabling emojis" section in the [Chat](#) topic of the Workspace Desktop Edition Deployment Guide for information on how to create the business attribute.
- This section explains how to insert emojis into outbound messages. For configuring the display of emojis in the chat transcript for both inbound and outbound messages, see [Configuration for displaying emojis in chat transcript](#).

Web links

All URL links are shown as hyperlinks in the chat window. Click a link to open it in the system default web browser.

Tip

A tooltip is shown when the mouse cursor hovers on the web links. This helps you to view the full URL when the URL is too long.

Url <http://www.yahoo.com/custom>

<http://www.yahoo.com/custom>

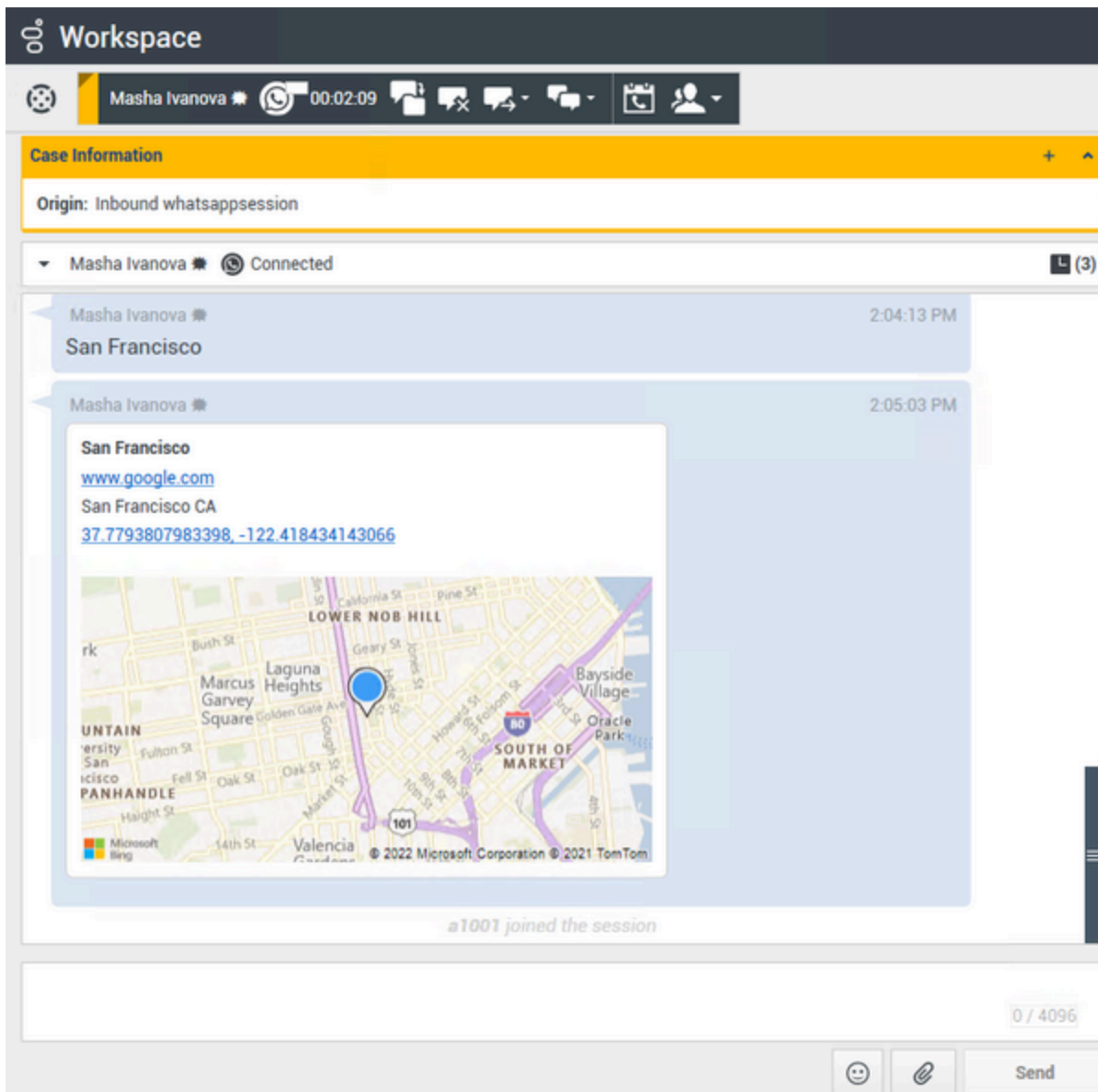
Incoming location

Incoming location is shown as a preview with a static image (if latitude and longitude values are available) or as a text message with a link (URL) of the location in the chat window. Agents can click on the location preview or the URL to view the location in the system default web browser. The location preview is rendered using one of the following map providers based on the configuration:

- Bing Maps
- Google Maps
- Yandex Maps
- Any map provider with the similar REST API and image response

Additionally, the following details are displayed in the location preview, if available:

- Business name
- Business URL
- Full address
- Latitude and longitude values




Important

Administrators can configure the feature using the options described in [Location preview configuration](#).


Sending outbound messages

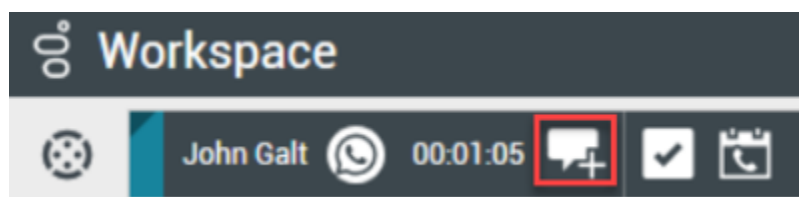
Important

- Outbound chat sessions can also be initiated from a strategy and WhatsApp notification templates can be sent to customers via the InviteToChat ESP request as specified in the [Digital Messaging Server User Guide](#).
- The InviteToChat method requires a previous call to the Contacts API of WhatsApp. After the call is made, the results of the call are cached in the WhatsApp Business API client's database for 7 days and thus the InviteToChat method can send a message template (HSM) to the user's WhatsApp ID. For more information, see <https://developers.facebook.com/docs/whatsapp/api/contacts> .
- WhatsApp applies a 24-hour rule to messages posted by businesses. Agents cannot send regular outbound messages if there is no communication with the customer for the last 24 hours. Agents can send only outbound messages via Message Templates outside of the 24-hour communication window. You can find information about the 24-hour rule in <https://developers.facebook.com/docs/whatsapp/faq/> .

You can initiate a conversation with a past contact using the **My History** view, **Interaction Search** view, or by viewing the history for a particular contact in the **Contact Directory**. Select a past interaction with the contact and click .

The interaction opens and you can use the same functionality as an **inbound interaction** to converse with the contact.

Alternatively, if you have not yet marked an interaction as Done, you can click  in the interaction control bar to create a new outbound session.



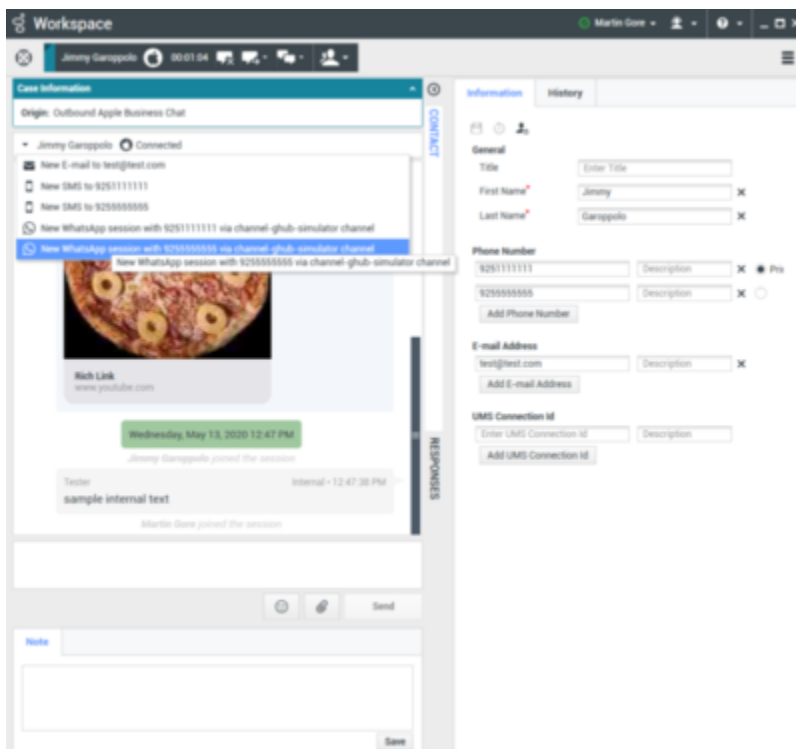
Sending outbound messages from other channels

Agents can create outbound WhatsApp messages from a voice interaction or other media type interactions. For example, an agent can create a WhatsApp outbound interaction from an existing Apple Business Chat interaction by selecting the customer's phone number and WhatsApp channel in the interaction window. This is possible only when the customer has a phone number.

Important

Administrators must ensure the following:

- The list of available channels is included in the attached data as shown in the [Business Process](#) or the **whatsappsession.outbound-session-config** option is configured properly. By default, no value is set in the option **whatsappsession.outbound-session-config**. For more information on how to configure the **whatsappsession.outbound-session-config** option, see [Configuration for sending outbound messages from other channels](#).
- Agents are given the role permission to create a new outbound WhatsApp session from other channels.



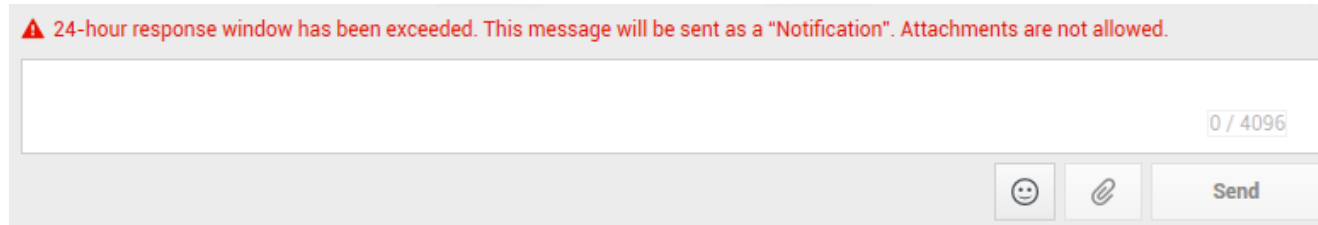
Automatic notification messages

You can create and send notification messages from regular messages if the response window (configured timeout) to send the regular messages expires.

During WhatsApp interactions, agents can only send Notifications after a configured timeout from the last incoming message. You can enter your message in the Interaction window and click **Send** even after this timeout. In this scenario, your message is appended to the default notification message. For

example, if the default notification message is **Thank you for your patience! {{1}}** and your drafted message is **We recommend rebooting your device to resolve the issue**, the brand's user receives the combined message, **Thank you for your patience! We recommend rebooting your device to resolve the issue** as a Notification.

If the response window expires, you are notified through a warning that the response window has ended and that you can only send a Notification at this time.



Important

Administrators can configure the feature using the options described in [Automatic notifications configuration](#).

Other Workspace Functionality

While you are interacting with your WhatsApp contact, you can use the general Workspace functionality in the WhatsApp Interaction window.

Important

Some of the procedures and tasks below are media-specific, but you can apply the information when working with WhatsApp interactions.

- Use the Note to attach a note to the interaction history. See [Managing Contact History](#).
- View Case Information for the current interaction.
- View and manage contact history. See [Managing Contact History](#)
- View and manage contact information. See [Lesson: Finding and viewing an interaction in the contact database](#).
- Your account might be configured to let you assign an interaction with an unknown contact to a known contact in the contact database by using the [Manual Contact Assignment](#) feature.
- Use the Standard Response Library for pre-written text for replies and comments. Click the vertical **Responses** button, as shown in the [Using The Standard Response Library](#) lesson.
- Cross over into another media channel. If, as an agent, you learn other contact information, such as a contact's phone number or email address, you can manually enter this information on the **Information**

tab. The corresponding choice for other media channels is then displayed when you click the **Party Action** menu that is next to the name of the contact. You can then reply by using a voice call, an email, an SMS message, or any other supported media channel for a WhatsApp contact. Workspace displays a drop-down list of available channels to access a contact.

- If you want to transfer the interaction to another internal target or consult with another internal target about the interaction, you can perform the following functions:
 - Instant-transfer the interaction to another internal target. See [Lesson: Starting an instant SMS transfer](#), which is similar to the WhatsApp procedure.
 - Start a consultation with another party:
 - Start an Instant Messaging consultation. See [Lesson: Initiating an Instant Messaging session](#).
 - Start a Voice consultation. See [Starting a Voice Consultation](#).
- You can enable the high contrast theme for WhatsApp messages.