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# Workspace Desktop Edition Deployment Guide

Handling Interactions

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# Handling Interactions

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- Voice and SIP Voice
- Outbound Campaigns
- E-Mail
- Chat
- SMS
- Workitems
- Social Media:
  - Facebook (by using an eServices plug-in)
  - Twitter (by using an eServices plug-in)

Interaction Workspace also supports the following functionality for various interaction types:

- Interaction Bar
- Workbins
- Standard Response Library
- Spelling Check

## Voice Interactions

Interaction Workspace employs the following privileges for all voice interactions:

- Release Call
- Hold Call
- Resume Call
- Mark done
- Set Disposition
- Send DTMF

Interaction Workspace also enables privileges for outbound interactions:

- Can Make Call

You use the following options in the `interaction-workspace` section to configure voice interactions:

- `voice.mark-done-on-release` -- Specifies whether the Mark Done function is required to complete the release of the call.
- `voice.auto-answer` -- Specifies whether a voice interaction is automatically answered when a TServer Ringing event is received. This option can be overridden by a routing strategy.
- `interaction.disposition.is-mandatory` -- Specifies whether it is mandatory for the agent to set a

disposition code before Marking Done an interaction. This option can be overridden by a routing strategy.

- `interaction.disposition.is-read-only-on-idle` -- Prevents changes to the disposition code after the interaction has been released. This option can be overridden by a routing strategy.
- `interaction.disposition.key-name` -- The key that is used to populate attached data or a user event when a disposition code is submitted to the back-end system, such as T-Server, Interaction Server, and Contact Server. This option can be overridden by a routing strategy.
- `interaction.disposition.use-attached-data` -- Enables the adding of attached data from the interaction in UserEvent. This option can be overridden by a routing strategy.
- `interaction.disposition.use-connection-id` -- Specifies whether the connection id is sent as part of the user event that is sent for disposition code. This option can be overridden by a routing strategy.
- `interaction.disposition.value-business-attribute` -- A character string that specifies the name of the Business Attribute that contains the Attribute Values that are used as an enumerated value for a disposition code. This option can be overridden by a routing strategy.

## Dial Plan: Prefix Management

The Dial Plan feature enables you to define the rules that Interaction Workspace applies to the dialed digits. The rules enable Interaction Workspace to transform the digits that it receives into the actual digits that are used to make the call. Interaction Workspace receives digits from chat and SMS interactions when an agent uses the click-to-dial feature. The Dial Plan Call Flow feature is applied to the following events:

- TMakeCall
- TInitiateTransfer
- TInitiateConference
- TSingleStepTransfer
- TMuteTransfer
- TSingleStepConference
- TSingleStepConference

## Pattern Matching

The table '**Dial plan pattern matching values**' provides the list of special characters that you can use to define dialed number patterns to be matched.

**Dial plan pattern matching values**

Special Character	Pattern Matching
X	Matches any single digit from 0-9.
Z	Matches any single digit from 1-9.
N	Matches any single digit from 2-9.
[...]	Matches any one of the digits that are found in the square brackets. For example, using the special characters [12345], Interaction Workspace can

Special Character	Pattern Matching
	match any of the digits: 1, 2, 3, 4, or 5.
[a-b]	The hyphen inside square brackets acts as a range indicator. Matches any one digit that falls in a range of digits. For example, [125-8] matches any of the digits 1, 2, 5, 6, 7, 8.

The following are some examples of the use of special characters to match the patterns for dialed number Pattern Matching:

- 9NXXXXXXX -- Matches any 11-digit number that begins with 9, where the second digit is between 2 and 9.
- 9[54]10XXXXXX -- Matches any 11-digit number that begins with either 9510 or 9410.
- [45]XXX -- Matches any 4-digit number that begins with either 4 or 5.

### Digit Translation

After the number to be dialed is matched to the pattern that is defined in the dial-plan rule, Interaction Workspace uses the `digits` parameter to determine which number to use to make the call. These digits can be any alphanumeric string. The string must be terminated with a semicolon. This parameter can also use the `{DIGITS}` variable, which provides flexibility in defining the digits to be dialed. `{DIGITS}` Variable: The digits variable in the dial-plan rule must take one of the following formats:

- `${DIGITS}`
- `${DIGITS:x}`
- `${DIGITS:x:y}`

Where:

- `DIGITS` defines the actual digits dialed from the endpoint.
- `X` defines the starting position of the variable, identified by the character position in the digit string. The value 0 represents the first character in the string (starting from the left). This value can be negative, which indicates a character position that starts from the right instead of left. For example, -1 indicates the right-most character. The default value is 0.
- `Y` specifies the number of characters to be included, starting from the position that is defined by `X`. By default, all characters in the string are included.

For example, if the number 96501235678 is dialed, here are some examples of how the `{DIGITS}` translate:

- `${DIGITS}` translates to 96501235678.
- `${DIGITS:1}` translates to 6501235678.
- `${DIGITS:-4:4}` translates to 5678.
- `${DIGITS:0:4}` translates to 9650.

You must configure a Dial-Plan Rule in the dial-plan-rule-<name> option that uses the following format: pattern => digit translation \# comment For example:

- 5XXX=>4351707\${DIGITS} # This rule matches any 4-digit number starting with 5 and translates it to the number 43517075XXX
- 5002=>43517075002 # This rule matches the dialed number 5002 and translates it to the number 43517075002

## Outbound Campaign Interactions

Interaction Workspace supports the following campaign types:

- **Preview** -- Contacts are retrieved manually by the agent and dialed manually by the agent. These are low volume/high value campaigns, in which campaign calls are made by using a preset calling list for a specific campaign.
- **Push Preview** -- Contacts are retrieved automatically by the campaign, but the agent dials the call manually. These are low volume/high value value campaigns, in which campaign calls are made by using a preset calling list. Agents are provided with a preview of the call, and then can either have the opportunity to accept it, or to reject it and return it to the top of the queue or discard the record.
- **Progressive** -- Contacts are retrieved and dialed automatically by the campaign. These are low volume/high value campaigns, in which outbound calls are directed to the agent desktop.
- **Predictive** -- Contacts are retrieved and dialed automatically by the campaign. These are high volume/low value campaigns, in which outbound calls are directed to the agent desktop.
- **Active Switching Matrix (ASM)** -- Contacts are retrieved and dialed automatically by the campaign, like Progressive and Predictive, but the agent is connected immediately to the contact.

Interaction Workspace employs the following Outbound privileges for all outbound campaign voice interactions:

- Can Use -- Enables access to the Outbound Campaign functions
- Can Cancel Record -- Enables agents to decline a preview record so that it is not processed during the current campaign.
- Can Dial Alternative Chained Record -- Enables agents to dial a number from the preview record chain that is different from the number selected by the system.
- Can Edit Record Data -- Enables agents to edit the outbound record fields that are configured as editable.
- Can Get Next Preview Record -- Enables agents to request a new preview record while terminating the processing of the previous record.
- Can Mark Do Not Call -- Enables agents to mark a contact as Do Not Call.
- Can Reject Record -- Enables agents to decline a preview record and redirect it back to the queue to be processed by another agent in the campaign.
- Can Reschedule -- Enables agents to reschedule an outbound record for callback at a different date and/or time.
- Can Reschedule On New Number -- Enables agents to reschedule an outbound record using a new

number. This action results in a new record being added to the chain.

- Can Set Call Result -- Enables agents to set a call result for the outbound record.
- Can Set Interaction Disposition -- Enables agent to set a disposition code for Outbound interactions.

Interaction Workspace also enables privileges for Outbound Push Preview campaigns interactions:

- Can Use Push Preview -- Enables agents to actively participate in Outbound Push Preview campaigns.

To ensure that this feature behaves correctly in Interaction Workspace, you must configure the `send_attribute` key-value pair as specified in the *Outbound Reference Guide*. For example, where the *Outbound Reference Guide* recommends that you set the field name to `GSW_UNTIL` or `GSW_FROM`, consider setting those values to `GSW_UNTIL` or `GSW_FROM` only. To set an alternative display name in the agent facing interface, you can use the `display-name` key-value as described in the following table:

**Configuration of the interaction-workspace section in the objects of type 'Field' in Genesys Administrator**

Option	Valid Values	Default Value	Description
display-type	bool, enum	(none)	Defines the type of the outbound field to be displayed on Interaction-Workspace side. If set to enum, the outbound field possible values will be displayed in a combo box. In this case, the list of possible values is defined in the <code>enum.business-attribute</code> option. If set to bool, the outbound field value will be displayed as a checkbox. enum and bool display types are taken into account only if the outbound field data type is char or varchar. If this option is not set, the outbound field is displayed either as a string, or as an integer, or as a Date, or as a float, according to the outbound field data type.
read-only	true, false	true (for system fields), false (for user-defined fields)	Specifies whether this outbound field can be modified
display-name	any string	(none)	Defines the name that is displayed for this outbound field on

Option	Valid Values	Default Value	Description
			Interaction-Workspace side. If this option is not set, the outbound field is displayed using the send_attribute value.
display	true, false	true	Defines if the outbound field is displayed or not on Interaction-Workspace side. This option is used in addition to the creation of the send_attribute. If the send_attribute is defined, use this option to hide the outbound field.
bool.true-value	any string	true	Defines the string that corresponds to 'true'. Used only if display_type is set to bool
bool.false-value	any string	false	Defines the string that corresponds to 'false'. Used only if display_type is set to bool
enum.business-attribute	(link to business attributes)	(none)	<p>Link to business attributes that define the enum value. Used only if display_type is set to enum. By default the items are sorted alphabetically in this list. To move some or all of these fields to the top of the list, you can use the order option. Create this option in the annex of the Business Attribute object that contains the list of values:</p> <ul style="list-style-type: none"> <li>• Section: interaction-workspace</li> <li>• Option: order</li> <li>• Default value: ""</li> <li>• Valid values: A comma-separated</li> </ul>

Option	Valid Values	Default Value	Description
			list of Business Attribute Value names.
int.min-value	integer	0	Minimum value accepted. Used only if the outbound field data type is int
int.max-value	integer	2147483647	Maximum value accepted. Used only if the outbound field data type is int
float.min-value	float	0	Minimum value accepted. Used only if the outbound field data type is float
float.max-value	float	3.40282347E+38	Maximum value accepted. Used only if the outbound field data type is float

Next, you must configure the `send_attribute` key-value pair as specified in the *Outbound Reference Guide* for the calling list. To set an alternative display name in the agent facing interface, you can use the `outbound.fields.order` key-value as described in the following table:

**Configuration of the interaction-workspace section in the objects of type 'Calling List' in Genesys Administrator**

Option	Valid Values	Default Value	Description
outbound.fields.order	A comma-separated list of Outbound fields, identified by the value of the key <code>send_attribute</code> that is configured in section OCServer or default in the annex of the Field object.	" "	Defines the order in which the outbound fields are sorted in the outbound data area. The fields that are not listed in this option are listed after the sorted fields, retaining their default sorting as specified by OCS.

You use the following options in the interaction-workspace section to configure voice interactions:

- `outbound.record-information.frame-color` -- Specifies the color of the border of the Case Data view frame. This option can be **overridden by a routing strategy**.
- `outbound.record-information.header-foreground-color` -- Specifies the color of the foreground of the Case Data view header. This option can be **overridden by a routing strategy**.
- `outbound.call-result-values` -- Specifies the list of call results that are available for the agent to use

for an outbound interaction. The call results are displayed in the order in which they appear in the list. For example: Answered, NoAnswer, AnsweringMachine, Busy, WrongNumber

- `outbound.push-preview.auto-answer` -- Specifies whether a push-preview outbound interaction is automatically accepted and joined when an Interaction Server Invite event is received. This option can be **overridden by a routing strategy**.
- `outbound.push-preview.use-combined-channel` -- Specifies whether the outbound push-preview channel is combined with the voice channel.
- `display-format.interaction-outbound-pull-preview-name` -- Defines the display format of outbound pull-preview (preview) interactions by specifying a string of field codes.
- `display-format.interaction-outbound-push-preview-name` -- Defines the display format of outbound push-preview interactions by specifying a string of field codes.
- `login.outboundpreview.can-unactivate-channel` -- Specifies whether the agent can select and unselect (auto-login or not) the outbound preview channel.

## E-Mail Interactions

Interaction Workspace enables agents to handle email interactions, including the following functionality:

- Reply to inbound emails (with or without the original text)
- Create new outbound emails
- Check the spelling of an outbound email
- Apply a signature to an outbound email
- Store emails in a workbin
- Transfer an email to an internal target
- Forward an email to an external resource
- Set a disposition code
- Mark the interaction as Done
- View and copy links to non-embedded images in inbound and outbound email interactions
- View and insert Standard Responses
- Paste content from browsers and other applications that display HTML
- Paste images from browsers and other applications that display HTML
- Printing emails

Interaction Workspace employs the following privileges for all E-mail interactions:

- Can Use E-mail media
- Can Decline
- Can Release

- Can Move to Workbin
- Can Reply
- Can Reply All
- Can Add Attachments
- Can Send
- Can Save
- Can Delete
- Can One Step Transfer
- Can Set Interaction Disposition
- Can Interim Send

Mandatory options for correct email handling:

- `email.default-queue` -- Specifies the default queue for email interactions.
- `email.outbound-queue` -- Specifies the default queue for email interactions.
- `workbin.email.draft` -- Specifies the name of the Workbin to be used to store draft emails
- `workbin.email.in-progress` -- Specifies the workbin to be used to store emails which are in the In Progress state.

Interaction Workspace handles linked images in the HTML content of inbound and outbound emails. Images are loaded from their respective web servers in the background so that display of the email does not block the application. For environments where Internet proxies require user authentication, the following options have been added to the template:

- `webproxy.address`--Specifies the the web proxy address.
- `webproxy.username`--Specifies the the web proxy username.
- `webproxy.password`--Specifies the the web proxy password.

## Signatures

Interaction Workspace enables you to assign default signature templates to outbound email interactions. E-mail signatures allow the insertion of tagged-data fields with data that is related to the agent, such as name, job title, department, phone number, email address, and so on. Refer to "Using UCS Data in Standard Responses: System Variables" in the "Genesys Knowledge Management: Basics" chapter of the eServices User's Guide for more information about the tagged data field. Signatures also support linked image(s) and hyperlinks. Use the `email.signature` configuration option in the `interaction-workspace` section to specify the path and name of the signature file or the location of the Response in the Standard Response Library that is to be used as the default signature.



**Note:** This option can be overridden by a routing strategy based on the attached data of the interaction.

### Inbound E-Mail Forward to External Resource

Interaction Workspace enables agents to forward active inbound email interactions to an external resource by selecting a valid email address in Team Communicator, either by manually entering the address or by selecting it from a searched Contact or a Corporate or Personal Favorite. Depending on the Business Process that you are using, the agent who has forwarded an email interaction to an external resource might retain the ownership of the interaction and be responsible for closing the interaction. A set of key-value pairs that include the destination email address and other information is added to the inbound email before it is placed in the Forward queue so that they can be used in a Business Process:

- `GD_ExternalAgentAddress`--The email address destination. This is added only if the `general.gad.attached-data` option is set to `true`.
- `GD_OriginalAgentEmployeeId`--The Employee Id of the agent. This is added only if the `general.gad.attached-data` option is set to `true`.
- `GD_TransferrerUserName`--The Username of the agent. This is added only if the `general.gad.attached-data` option is set to `true`.
- `IW_ExternalAgentAddress`--The email address destination.
- `IW_OriginalAgentEmployeeId`--The Employee Id of the agent.
- `IW_TransferrerUserName`--The Username of the agent.
- `IW_EmailNotepad`--The current notepad text of the email view.

Refer to [EServices](#) email workflow samples for more information about forwarding email interactions to external resources. The following task controls the use of the forwarding feature:

- Can Forward E-Mail to External Resource

Use the `email.forward-queue` configuration option in the `interaction-workspace` section to specify the Interaction Queue in which the inbound email is placed when an agent forwards it to an external resource. Use the `keyboard.shortcut.interaction.email.forward` configuration option in the `interaction-workspace` section to specify the shortcut that forwards an active inbound email.

### E-Mail Can Mark Done Privilege

The Can Mark Done privilege controls how emails are marked as done. When this privilege is allowed, the Done button is displayed in the toolbar when an inbound email is presented. If an agent clicks Done, the inbound email is terminated (removed from the Business Process). It will then not be possible to submit any corresponding outbound reply from the interaction view. It can only be reopened from the Contact History. When this privilege is not allowed, the Done button is not displayed in the toolbar when an inbound email is displayed. The agent must handle the email by replying to it, transferring it, or placing it in a workbin.

## Chat Interactions

Interaction Workspace employs the following privileges for all Chat interactions:

- Can Use Chat Media
- Can Decline Chat
- Can Release
- Can One Step Transfer
- Can One Step Conference
- Can Push Url
- Can Set Interaction Disposition
- Show Silent Monitoring

You use the following options in the `interaction-workspace` section to configure Chat interactions:

- `options.record-option-locally-only` -- Specifies whether the display settings for the agent are stored locally or in the agent annex.
- `interaction-workspace-pushed-url` -- Specifies the section in the agent annex in which pushed URL titles are saved.
- `chat.pending-response-to-customer` -- Defines two alarm thresholds, in seconds, that warn agents that they have a pending response to a chat. Three levels are displayed: below the warning time, between the warning time and the maximum time, and above the maximum time.
- `chat.toast-information-key` -- Specifies whether the Information area is displayed in the Chat interaction notification. The option specifies the name of the attached data key that contains the information.
- `chat.typing-timeout` -- Specifies the duration, in seconds, that the typing notification is displayed after the last keystroke and before the agent or contact sends their message.
- `chat.new-message-bell` -- Specifies the new Chat sound configuration string.
- `chat.reconnect-attempts`--Defines the number of attempts to reconnect to the chat session. This applies to environments that implement Chat High Availability (HA) but also to simple environments if network disconnection occurs during a chat session.
- `chat.reconnect-timeout`--Defines the interval between each attempt to reconnect to the chat session. This applies to environments that implement Chat High Availability (HA) but also to simple environments if network disconnection occurs during a chat session.
- `chat.nickname`--Specifies that a nickname (pseudonym) is used in chat sessions instead of the agent's user name, and defines the nickname.
- `display-format.chat-agent-name`--Specifies the display format of agent identifiers in agent and team supervisor views.

## SMS Interactions

There are two media types that you can configure in the Configuration Server Manager Media Type business attribute. You can set the following media types:

- `sms` -- Use this media type to enable page mode (single message inbound and reply).
- `smssession` -- Use this media type to enable session mode (multiple message "chat"-like session).

In page mode, messages are handled individually. A contact sends a message, the agent handles the message (replies or forwards it), and the SMS interaction view is closed. In session mode, a keyword is sent by the contact that indicates that the SMS is to be part of a chat-like session. Multiple SMS messages are exchanged between an agent and a contact in a single interface. In addition to the keyword, session mode also functions when the SMS is sent to a specific, pre-configured inbound phone number. Interaction Workspace employs the following privileges for all SMS interactions:

- Can Use SMS -- Enables access to the SMS channel.
- Can Decline SMS -- Enables the agent to decline an SMS interaction.
- Can One Step Transfer -- Enables the agent to transfer an SMS interaction.
- Can Set Interaction Disposition -- Enables the agent to set a disposition for an SMS interaction.
- Can Create SMS -- Enables the agent to create a new SMS interaction.

You use the following options in the interaction-workspace section to configure the channel to handle SMS interactions:

- `openmedia.bundle.sms` -- Specifies the list of media-types (SMS page mode and SMS Session mode) that are used to implement the SMS channel.
- `login.sms.can-unactivate-channel` -- Specifies whether the agent can select and unselect (activate and deactivate) the SMS channel.
- `login.sms.is-auto-ready` -- Specifies whether the SMS channel is automatically in the ready state at login.
- `sms.ringing-bell` -- Specifies the path to the sound file that is played when an sms message is received.

You can use the following intercommunication options in the interaction-workspace section to configure the routing of SMS interactions:

- `intercommunication.sms.routing-based-targets` -- Specifies the list of targets that are contacted through the Routing Base feature mechanism for the requests that are defined in the option `intercommunication.sms.routing-based-actions`.
- `intercommunication.sms.routing-based-actions` -- Specifies the list of routing-based actions that an agent may perform.
- `intercommunication.sms.queue` -- Specifies the name of the queue that is used by the Routing Base feature.

You can use the following options in the interaction-workspace section to configure SMS interactions:

- `sms.toast-information-key` -- Enables the display of Contact information in the interaction notification. These options defines the attached data that are displayed.
- `sms.max-message-number` -- Specifies the maximum number of SMS that are considered to be part of a single message.
- `sms.agent.text-color` -- Specifies the color of the text of the messages that are entered by an agent in the SMS interaction view.
- `sms.agent.prompt-color` -- Specifies the color of the prompt for the messages that are entered by an agent in the SMS interaction view.

- `sms.other-agent.text-color` -- Specifies the color of the text entered by another agent in the SMS interaction view.
- `sms.other-agent.prompt-color` -- Specifies the color of the prompt for the messages that are entered by the target agent in the SMS interaction view.
- `sms.client.text-color` -- Specifies the color of the text received by a contact in the SMS interaction view.
- `sms.client.prompt-color` -- Specifies the color of the prompt for the messages entered by a contact in the SMS interaction view.
- `sms.time-stamp` -- Specifies whether the time stamp is displayed in the SMS transcript area.
- `sms.auto-answer` -- Specifies whether an SMS interaction is accepted automatically when an Interaction Server Invite event is received.
- `sms.default-queue` -- Specifies the Interaction Queue to which a new or reply outbound SMS is submitted.
- `sms.outbound-queue` -- Specifies the Interaction Queue to which outbound SMS are moved when an agent clicks Send. This option is used only when the Interaction Workflow does not specify the Queue for New Interactions when Inbound SMS are being routed to an agent.
- `sms.from-numbers-business-attribute` -- Specifies the business attributes that contain the attribute values that are used as an enumerated value for the From number of an SMS interaction.
- `sms.transcript-time-frame` -- Specifies the range of time in which to search for previous interactions by the same contact.
- `sms.subject-max-chars` -- Specifies the maximum number of characters from an SMS message that are used to create the message subject if the SMS does not contain a subject.

## Customer Case

The concept of a Customer Case enables the grouping of all the information about the active interactions of all types for a single customer in one location. The Customer Case facilities enable agents to store all information about the following actions in one location, as well as:

- Handle two voice calls simultaneously.
- Toggle between two calls.
- Transfer/conference one or all interaction(s).

## Evolution and Behavior of Attached Data or Case Data

Attached data that is relevant to a call evolves and changes as a call progresses through the system in a contact center. For example, during a Transfer or Conference, information on who transferred a call and when it is attached to the case data. Not all agents in the chain will see the same case data. This information can be retrieved through the contact database by agent that have the following privileges assigned:

- Can Use Contact History CaseData
- Can Use Contact My History

## Editing Case Information

You can configure Interaction Workspace to have the ability to edit the case and interaction information that is attached to an interaction. You can specify which key/value pairs are editable by an agent by adding a new section called `interaction-workspace` to the attribute in Genesys Administrator, and then defining its properties. When you define the properties of an attribute in a Business Attribute, you can also specify whether it has the property `readonly` or not. Attributes that are not `readonly` can be edited by agents that have the `Can Use Contact History CaseData` privilege configured. An agent can only edit case information key/value pairs of those attributes that are displayed to the agent. The table [Editing Case Information](#) lists the case information business-attribute keys that can be configured to be editable. For each attribute, add a new section named `interaction-workspace`, then define the options according to the type (Boolean, string, integer, list, float, and date) of the attribute.

**Editing Case Information**

Attribute type	Option	Valid Values	Default Value	Description
Boolean	display-type	bool	bool (for this type)	
	read-only	true, false	true	Specifies whether this key name can be modified
	bool.false-value		false	Value accepted for false
	bool.true-value		true	Value accepted for true
string	display-type	string	string (for this type)	
	read-only	true, false	true	Specifies whether this key name can be modified
	string.max-length	0 to Max Length	255	Maximum number of characters that are accepted for this option
integer	display-type	int	int (for this type)	
	read-only	true, false	true	Specifies whether this key name can be modified
	int.min-value	integer	0	Minimum value accepted
	int.max-value	integer	2147483647	Maximum value accepted
	int.storage-type	int or string	string	Type storage of the value
enum	display-type	enum	enum (for this type)	
	read-only	true, false	true	Specifies whether this key name can

Attribute type	Option	Valid Values	Default Value	Description
				be modified
	enum.business-attribute	(link to business attributes)	(none)	<p>Link to business attributes that define the enum value. By default the items in this list are sorted alphabetically. To move some or all of the fields to the top of the list, use the order option. This option must be created in the annex of the Business Attribute object that contains the list of values:</p> <ul style="list-style-type: none"> <li>Section: interaction-workspace</li> <li>Option: Order</li> <li>Default value: ""</li> <li>Valid values: A comma-separated list of Business Attribute Value names.</li> </ul>
float	display-type	float	float (for this type)	
	read-only	true, false	true	Specifies whether this key name can be modified
	float.min-value	float	0	Minimum value accepted
	float.max-value	float	3.40282347E+38	Maximum value accepted
date	display-type	date	date (for this type)	
	read-only	true, false	true	Specifies whether this key name can be modified

# Workitems

Workitems are custom media types or tasks that are processed by the intelligent Workload Distribution (iWD) solution. iWD is an application that works with the Genesys Customer Interaction Management (CIM) Platform to distribute tasks to the resources that are best suited to handle them. It is a collection of software components for:

- Capturing tasks from various enterprise work sources.
- Applying business rules to classify, prioritize, and reprioritize the tasks.
- Routing the tasks to agents or knowledge workers in the enterprise.
- Monitoring and reporting on the intraday and historical status of the tasks and the task handling.

Refer to the *intelligent Workload Distribution 8.0 Deployment Guide* for more information. You must define workitems in Configuration Server (refer to *Framework 8.0 Genesys Administrator Help* and the *eServices (Multimedia) 8.0 User's Guide* for information about defining Business Attributes (Media Type) in Configuration Server). Interaction Workspace employs the following privileges for all Workitem interactions:

- Can Use Workitem Channel
- Can One Step Transfer
- Can Set Interaction Disposition

You use the following options in the interaction-workspace section to configure Workitem interactions:

- `intercommunication.<workitemchannel>.queue` -- Specifies the name of the queue to be used by the Routing Base feature. The following attached data are added by Interaction Workspace:

```
IW_RoutingBasedOriginalEmployeeId, IW_RoutingBasedTargetId,  
IW_RoutingBasedTargetType, IW_RoutingBasedActionType.
```

- `intercommunication.<workitemchannel>.routing-based-targets` -- Specifies the list of targets (Agent and/or Queue) that are contacted through the routing-based mechanism, for the requests that are defined in the `intercommunication.<workitemchannel>.routing-based-actions` option. The AgentGroup and Skill targets are always addressed by routing; therefore, they are not affected by this option.
- `intercommunication.<workitemchannel>.routing-based-request` -- Specifies the list of routing-based actions (OneStepTransfer) that an agent is allowed to perform.
- `login.<workitemchannel>.can-unactivate-channel` -- Specifies whether an agent is allowed to select and unselect (activate and deactivate) a workitem channel during login, for example:  
`login.myworkitem.can-unactivate-channel=true`
- `login.<workitemchannel>.is-auto-ready` -- Specifies whether the Workitem channel is in the auto-ready state at agent login.
- `openmedia.workitem-channels` -- Specifies a list of Workitem channels that an agent can be enabled to use, for example: `openmedia.workitem-channels=myworkitem`
- `<workitemchannel>.auto-answer` -- Specifies whether a Workitem interaction is accepted automatically when an Invite event is received from Interaction Server.

### Workitem Can Mark Done Privilege

The Can Mark Done privilege controls how workitems are marked as done. When this privilege is allowed, the Done button is displayed in the toolbar when an inbound workitem is presented. If an agent clicks Done, the inbound workitem is terminated (removed from the Business Process). It will then not be possible to submit any corresponding outbound reply from the interaction view. It can only be reopened from the Contact History. When this privilege is not allowed, the Done button is not displayed when an inbound workitem is displayed. The agent must handle the workitem by replying to it, transferring it, or placing it in a workbin.

### Interaction Bar

Interaction Workspace supports multiple simultaneous contact interactions. This means that agents can have more than one interaction open and active on their desktop simultaneously. The Interaction bar is a feature of the Main Window that enables agents to track and access all their current interactions. When an agent has an active interaction, the Interaction Summary View is displayed at the bottom of the Main Window. Each interaction is represented by a block in the view. The block contains contact information and interaction type to enable an agent to distinguish one interaction from another. An agent can click a block to activate it and open a set of controls, or to bring the Interaction window to the front of the desktop. Interaction Workspace employs the following privilege for the Interaction bar:

- Interaction Bar - Can Use

### Workbins

A workbin is like a shared queue for Agents, Places, Agents Groups, and Places Groups, in which an agent, supervisor, or manager can store email and other multimedia interactions that are to be handled later. However, unlike with a queue, interactions that are stored in a workbin can be accessed in any order; interactions can be assigned to agents, places, agent groups, or place groups. Items that are stored in a workbin are owned by the owner of the workbin. Open interactions can be added to a Workbin to be saved for future processing or collaborative processing by the agent, place, agent group, or place group. Interactions can also be distributed to workbins by Universal Routing Server. For information about configuring Workbins, refer to *Universal Routing 8.0 Interaction Routing Designer Help*. The desktop-draft-workbin workbin is normally configured by the Multimedia Configuration Wizard. However, you might have to create your workbins. Refer to *Framework 8.0 Genesys Administrator Help* and the *eServices (Multimedia) 8.0 User's Guide* for information about defining Scripts in Configuration Server. Interaction Workspace employs the following privileges for all Workbin interactions:

- Can Use Workbins

You can use configuration options in each section that defines a Workbin to configure the behavior of each Workbin in Interaction Workspace (refer to [Section: interaction-workspace](#)).

### Standard Responses Library

The Standard Responses Library (SRL) enables you to access a database of prewritten standard responses for interactions. Agents can insert these responses as replies into any email, chat message, or instant message, or they can read them to the contact during a voice interaction. Agents can modify the contents of a standard response after inserting it into an email, chat message, or instant message. The following information about the usage of standard responses is provided automatically to the Universal Contact Server by Interaction Workspace:

- 0--The agent received suggested responses on the desktop but chose to ignore them and chose another one from the SRL.
- 2--The agent received suggested responses on the desktop and chose one of them and replied.
- 3--The agent did not receive a suggested response from the content analyzer and chose a standard response from the SRL.

Interaction Workspace employs the following privilege for the Standard Responses Library (SRL):

- Can Use Standard Response Library

You use the following options in the interaction-workspace section to configure the SRL:

- `standard-response.default-search-type` -- Specifies the default search type that is used to search for text in Standard Response Library. If empty, the default search type `AllKeywords` is used.
- `standard-response.suggested-responses-min-relevancy` -- Specifies the minimum level of relevancy above which Suggested Responses will be shown from the Standard Response Library.
- `standard-response.categories`--Specifies the Standard Response category names to which the agent is restricted. Only standard responses and sub-category trees of the specified categories are displayed to the agent.
- `standard-response.languages`--Specifies the Standard Response languages to which the agent is restricted. Only standard responses of the specified languages are displayed to the agent. Languages are defined as Business Attributes in the Configuration Layer.

The `standard-response.categories` and `standard-response.languages` options can be overridden by a routing strategy. For example:

1. Configure a Transaction object of type `list`. For example, the object could be named: `IW_StandardResponseOverrideOptions`.
2. In the interaction-workspace section of the Agent configure the following options:
  - `standard-response.languages = French`
  - `standard-response.categories = Financial Service,HTML,English/Email/Loan`
3. To the override options add the name of the key to be used in the Routing Strategy to the interaction-workspace section: `interaction.override-option-key = IW_OverrideOptions` (default).
4. To the `AttachedData` in the strategy, add the following object name: `IW_OverrideOptions = IW_StandardResponseOverrideOptions`

For more information, refer to [Modifying a Routing Strategy to Override Interaction Workspace Options, Based on Attached Data](#).

### Spelling Check

The spelling-check feature enables agents to verify the spelling of text that they have entered in an email or chat interaction. The spelling of the contents of an outgoing email or chat interaction is verified against the default language dictionary. The spelling-check feature steps through the text of replies, and underlines in red potentially misspelled words one by one. Agents can replace the underlined word with another word from a list of suggestions, add it to a custom dictionary, or ignore it. The following languages are supported by default: English (US), English (UK), French, German, Spanish, Czech, Russian, Portuguese, and Italian.

### Corporate Dictionary

There are two ways to add a corporate dictionary to the spelling-check feature. You can choose to combine these methods in the following execution order:

1. Configure the `spellchecker.corporate-dictionary` option with a list of comma-separated corporate dictionary words. Words in this list are limited to 7-bit ASCII characters. For words that require a different character set, use the `spellchecker.corporate-dictionary-file` option. The file can handle any type of encoded characters.
2. Configure the `spellchecker.corporate-dictionary-file` option with the absolute or relative path to your corporate dictionary text file. Each entry in the file should be on a separate line.