

# Chatbot 3.5

## Setup

The chatbot is configured through a JSON file which specifies the behavior of the overall experience. Follow these steps to start configuring your chatbot:

1. Create a new JSON file with the configuration found on this page. You can set whatever name you want to the file, but it must have the `*.json` extension.
2. Send this JSON file to your dedicated Customer Success Manager so they can set it up.
3. If your company manages their own script, your Customer Success Manager will send you an URL. Copy and paste it to the `configUrl` property in the API configuration.

## Root properties

List of properties defined in the root of the configuration file. These properties specifies general specs or behaviors of the chatbot.

Name	Description	Required
<b>version</b> string	States the version of the file. The increment of the first value implies file changes that don't have backward compatibility, while the increment of the second value indicates file changes while maintaining backwards compatibility.  <b>Value:</b> an existent version name, i.e. "1.0"  <i>added in V1.0</i>	Mandatory
<b>client</b> string	Identify the Customer who owns this chatbot.  <b>Value:</b> an existent customer UUID.  <i>added in V1.0</i>	Mandatory
<b>chatbotId</b> string	Identify the chatbot with a name.  <b>Value:</b> an existent chatbotId to update the chatbot configuration, or a new name to create a new chatbot.  <i>added in V1.0</i>	Mandatory
<b>launchNode</b> string	Specify the first node to be launched when the chatbot starts.  <b>Value:</b> an existent node identifier.  <i>added in V1.0</i>	Mandatory
<b>seeds</b> seeds	Set all the available Seeds for the chatbot. Use them to redirect the user to one team or another.  <i>added in V1.0</i>	Optional
<b>nodes</b> nodes	Object containing all the nodes.  <i>Added in V1.0</i>	Mandatory

## Seeds

By default, the session will start with the seed that you have configured as `primarySeed`, or as `secondarySeed` if you start a One-to-One from a One-to-Many. If you want to redirect the customer to a different seed depending on their answers, you can configure different Seeds, with different teams on each one. Give a unique string key to each `configSeed` object to later link a node to it.

Name	Description	Required
<b>seed</b> string	Id of an existent seed.  <i>Added in V1.0</i>	Mandatory

## Example

```
"seeds": {
  "mobileTeam": {
    "seed": "58107f8c-c930-453b-a253-d63b165c3a62"
  },
  "internetTeam": {
    "seed": "d4ff7a14-fdf2-45c2-9e87-074c7d841c77"
  },
  "televisionTeam": {
    "seed": "45c2a987-2588-482b-a437-bf04f25b4a1f"
  }
}
```

## Nodes

A node represents a single interaction between the chatbot and the customer. It may be a question with options, an input asking for some data, a simple text...

The nodes live within the `nodes` property. They are defined as a string key (which has to be unique) along with a JSON object with the node internal properties.

The `type` property indicates the behavior and look of the node.

### List of types

- `message_button`: A text message followed by one or more buttons.
- `message_session_data`: Group of data asked to the customer in order to configure the session that will be launched or scheduled.
- `message_simple`: A simple text message.
- `message_link`: A message with text and a set of clickable links.
- `message_inbound`: A message to show the inbound information and a set of alternate options.

## Types

### message\_button

A text message followed by one or more buttons. We recommend to use this type of node to ask the customer to select an option from the ones displayed.

Name	Description	Required
<b>type</b> string	<b>Value:</b> message_button <i>added in V1.0</i>	Mandatory
<b>text</b> string	Text of the message. Use this property to ask the question that the customer must answer. <i>added in V1.0</i>	Mandatory
<b>options</b> options []	Possible options displayed to the customer, which will be presented as buttons. We recommend not to display more than 6 options. <i>added in V1.0</i>	Mandatory

### message\_button - option

Name	Description	Required
<b>buttonText</b> string	Text of the button. We recommend not to exceed 35 characters. <i>added in V1.0</i>	Mandatory
<b>seed</b> string	Id of a configured <b>seed</b> . When the customer clicks on this button, the session will be configured with the provided seed. <i>added in V1.0</i>	Optional
<b>action</b> string	One of either: <ul style="list-style-type: none"> <li>• Id of a configured <b>node</b> to make a new chatbot interaction appear.</li> <li>• <b>start</b> to initiate a session. This session can be a chat session or a chat plus voice session, depending on if the customer has already filled the <code>input_phone</code> or not.</li> <li>• <b>schedule</b> to schedule a session (in this case, it is mandatory to have previously declared an <code>input_phone</code> and <code>input_datetime</code> fields).</li> </ul> <i>added in V1.0</i>	Mandatory
<b>displayLegal</b> boolean	Determines whether or not legal agreements should be displayed before the configured action. <i>added in V2.1</i>	Optional

#### message\_session\_data

Group of data that will be asked to the customer in order to configure the session that will be launched or scheduled.

Name	Description	Required
<b>type</b> string	<b>Value:</b> message_session_data <i>added in V1.0</i>	Mandatory
<b>fields</b> fields [ ]	Set all the fields for this form. We recommend not to use more than four fields on the same form. <i>added in V1.0</i>	Mandatory
<b>submit</b> submit {}	Set the main submit button for this form. <i>added in V3.0</i>	Mandatory
<b>alternateOptions</b> alternateOptions [ ]	Set of all the alternate options for this message <i>renamed in V3.0</i>	Optional
<b>backup</b> backup {}	Set the node to show if an error occurs during the request of the external <b>select</b> option. <i>added in V3.4</i>	Mandatory only if type:'select' and options:'external'

#### message\_session\_data - fields:

##### MESSAGE\_SESSION\_DATA - FIELD - INPUT\_NAME

Use this input to ask for the customer's name.

Name	Description	Required
<b>type</b> string	<b>Value:</b> input_name <i>added in V1.2</i>	Mandatory

<b>mandatory</b> boolean	True to make the field mandatory, false to make it optional <i>added in V1.2</i>	Optional default: true
<b>validation</b> validation {}	Custom validation rules to ensure the field is filled in using the correct format. <i>added in V3.5</i>	Optional

MESSAGE\_SESSION\_DATA - FIELD - INPUT\_PHONE

Use this input to ask for the customer's phone.

Name	Description	Required
<b>type</b> string	<b>Value:</b> input_phone <i>added in V1.0</i>	Mandatory
<b>mandatory</b> boolean	True to make the field mandatory, false to make it optional <i>added in V1.2</i>	Optional default: true
<b>validation</b> validation {}	Custom validation rules to ensure the field is filled in using the correct format. <i>added in V3.5</i>	Optional

MESSAGE\_SESSION\_DATA - FIELD - CHECKBOX\_PRIVACY\_POLICY

Use this input to ask the customer to check the privacy policy.

Name	Description	Required
<b>type</b> string	<b>Value:</b> checkbox_privacy_policy <i>added in V1.0</i>	Mandatory

MESSAGE\_SESSION\_DATA - FIELD - INPUT\_DATETIME

Use this input to ask the customer for a date and a time in order to schedule a session.

Name	Description	Required
<b>type</b> string	<b>Value:</b> input_datetime <i>added in V2.0</i>	Mandatory

MESSAGE\_SESSION\_DATA - FIELD - INPUT\_TEXT

Use this input field to ask the customer for any additional data in text format.

Name	Description	Required
<b>id</b> string	A unique identifier for the custom field. <i>added in V3.2</i>	Mandatory
<b>type</b> string	<b>Value:</b> input_text <i>added in V3.2</i>	Mandatory
<b>placeholder</b> string	The text to be displayed in the custom field when it's empty. Use it to describe the expected value of the input field. <i>added in V3.2</i>	Mandatory

<b>mandatory</b> boolean	True to make the field mandatory, false to make it optional  <i>added in V3.2</i>	Optional default: true
<b>validation</b> validation {}	Custom validation rules to ensure the field is filled in using the correct format.  <i>added in V3.5</i>	Optional

MESSAGE\_SESSION\_DATA - FIELD - SELECT

Use this input field to ask the customer for any additional data within a set of predefined options.

Name	Description	Required
<b>id</b> string	A unique identifier for the custom field.  <i>added in V3.2</i>	Mandatory
<b>type</b> string	<b>Value:</b> select  <i>added in V3.2</i>	Mandatory
<b>placeholder</b> string	The text to be displayed in the custom field when it's empty. Use it to describe the expected value of the input field.  <i>added in V3.2</i>	Mandatory
<b>mandatory</b> boolean	True to make the field mandatory, false to make it optional  <i>added in V3.2</i>	Optional default: true
<b>options</b> options [] / string	Predefined options to be selected in the custom field. One of the following: <ul style="list-style-type: none"> <li>Array with a minimum of 2 options</li> <li><b>external</b> to request the options from an external source</li> </ul> <i>modified in V3.4</i>	Mandatory

message\_button - field - options

Name	Description	Required
<b>label</b> string	Options that will appear in the selector's dropdown list.  <i>added in V3.2</i>	Mandatory
<b>value</b> string	Value that will be sent to the server if that option is selected.  <i>added in V3.2</i>	Mandatory

MESSAGE\_SESSION\_DATA - SUBMIT

Name	Description	Required
<b>buttonText</b> string	Text of the button. We recommend not to exceed 35 characters.  <i>added in V2.0</i>	Mandatory

<b>action</b> string	One of either: <ul style="list-style-type: none"> <li>• Id of a configured <a href="#">node</a> to make a new chatbot interaction appear.</li> <li>• <b>start</b> to initiate a session. This session can be a chat session or a chat plus voice session, depending on if the customer has already filled the <code>input_phone</code> or not.</li> <li>• <b>schedule</b> to schedule a session (in this case, it is mandatory to have previously declared an <code>input_phone</code> and <code>input_datetime</code> fields).</li> </ul> <p style="text-align: right;"><i>added in V2.0</i></p>	Mandatory
<b>displayLegal</b> boolean	Determines whether or not legal agreements should be displayed before the configured action. <p style="text-align: right;"><i>added in V2.1</i></p>	Optional

#### MESSAGE\_SESSION\_DATA - ALTERNATE OPTIONS

Name	Description	Required
<b>buttonText</b> string	Text of the button. We recommend not to exceed 35 characters. <p style="text-align: right;"><i>added in V2.0</i></p>	Mandatory
<b>action</b> string	Id of a configured <a href="#">node</a> that will replace the current one. <p style="text-align: right;"><i>modified in V3.0</i></p>	Mandatory

#### MESSAGE\_SESSION\_DATA - BACKUP

Name	Description	Required
<b>action</b> string	One of either: <ul style="list-style-type: none"> <li>• Id of a configured <a href="#">node</a> to make a new chatbot interaction appear.</li> </ul> <p style="text-align: right;"><i>added in V3.4</i></p>	Mandatory

#### MESSAGE\_SESSION\_DATA - VALIDATION

Name	Description	Required
<b>pattern</b> string	A <a href="#">regular expression</a> that specifies the format that the value introduced in the field must meet to be valid. <a href="#">Here you can find very useful examples of regular expressions and also a link to test them.</a> <p style="text-align: right;"><i>added in V3.5</i></p>	Mandatory
<b>error</b> string	A custom error message to be displayed if the value introduced on the field is not valid. <p style="text-align: right;"><i>added in V3.5</i></p>	Optional

#### Common regular expressions

This table show an example of common regular expressions and a link to test them, bear in mind not to copy without test it.

Rule	Regular expression	Examp
Maximum length	<code>/^[a-zA-Z0-9 ]*(0,30)\$/</code>	Check and tes
Only letters with space with maximum length <b>English characters</b>	<code>^[a-zA-Z\s]{0,10}\$</code>	Check and tes

Only letters without space with maximum length <b>English characters</b>	<code>^[a-zA-Z]{0,20}\$</code>	Check and tes
Only letters with spaces and maximum length <b>Spanish characters</b>	<code>^[a-zA-Z\u00C0-\u00FF\s]{0,20}\$</code>	Check and tes
Only numbers with maximum length	<code>^[0-9\s]{0,10}\$</code>	Check and tes
Email format	<code>/^[a-z0-9_\.+-]+@([da-z\.-]+\.[a-z\.]{{2,6}})/</code>	Commc email
Date format: dd-mmm-YYYY or dd/mmm/YYYY or dd.mmm.YYYY	<code>/^(?:((?:31(V \.))(?:0?[13578][102]((?:Jan Mar May Jul Aug Oct Dec)))1 ((?:29 30)(V \.))(?:0?[1,3-9][10-2]((?:Jan Mar Apr May Jun Jul Aug Sep Oct Nov Dec)))2) (?:1[6-9][2-9]d)?\d{2})\$ ^(?:29(V \.))(?:0?2((?:Feb)))3(?:0[1-9] 1[0-9] 2[0-9]d)?(?:0[48][2468][048][13579][26] (?:16[2468][048][3579][26]00)))\$ ^(?:0?[1-9]1\d 2[0-8])(V \.)(?:0?0?[1-9]((?:Jan Feb Mar Apr May Jun Jul Aug Sep)) (?:1[0-2]((?:Oct Nov Dec)))4(?:0?[1-9][2-9]d)?\d{2})\$ </code>	Date exampl

### message\_simple

A simple text message shown to the customer.

Name	Description	Required
<b>type</b> string	<b>Value:</b> message_simple  <i>added in V1.0</i>	Mandatory
<b>text</b> string	Text of the message.  <i>added in V1.0</i>	Mandatory
<b>action</b> string	One of the following: <ul style="list-style-type: none"> <li>• Id of a configured <a href="#">nodes</a> to make a new chatbot interaction appear.</li> <li>• <b>start</b> to initiate a session. This session can be a chat session or a chat plus voice session, depending on if the customer has already filled the <code>input_phone</code> or not.</li> <li>• <b>schedule</b> to schedule a session (in this case, it is mandatory to have previously declared an <code>input_phone</code> and <code>input_datetime</code> fields).</li> <li>• <b>end</b> to end the chatbot conversation and create a lead with the data collected through the chatbot conversation. It's mandatory to define a <b>resultCode</b> in the same node.</li> </ul> <p>In this type of node the action starts automatically after a few seconds.</p> <p><i>added in V1.0. updated in v3.3</i></p>	Optional
<b>resultCode</b> number	Code of the segment that will be stored as a result of the lead, in case the <b>end</b> action has been set in this node. One of the following: <ul style="list-style-type: none"> <li>• <b>5</b> for Sale</li> <li>• <b>4</b> for Valid</li> <li>• <b>3</b> for Invalid</li> </ul> <p><i>added in V3.3</i></p>	Optional

## message\_link

A message with text and a set of clickable links.

Name	Description	Required
<b>type</b> string	<b>Value:</b> message_link  <i>added in V1.1</i>	Mandatory
<b>text</b> string	Text of the message. Use this property to provide a description about the subsequent links.  <i>added in V1.1</i>	Mandatory
<b>action</b> string	One of the following: <ul style="list-style-type: none"><li>• Id of a configured <a href="#">nodes</a> to make a new chatbot interaction appear.</li><li>• <b>end</b> to end the chatbot conversation and create a lead with the data collected through the chatbot conversation. It's mandatory to define a <b>resultCode</b> in the same node.</li></ul> In this type of node the action starts automatically after a few seconds.  <i>added in V1.1. updated in v3.3</i>	Optional
<b>resultCode</b> number	Code of the segment that will be stored as a result of the lead, in case the <b>end</b> action has been set in this node.  One of the following: <ul style="list-style-type: none"><li>• <b>5</b> for Sale</li><li>• <b>4</b> for Valid</li><li>• <b>3</b> for Invalid</li></ul> <i>added in V3.3</i>	Optional
<b>links</b> <a href="#">link</a> [ ]	List of links to show.  <i>added in V1.1</i>	Mandatory

## message\_link - link

Name	Description	Required
<b>linkText</b> string	Visible text of the link.  <i>added in V1.1</i>	Mandatory
<b>linkUrl</b> string	Target URL of the link.  <i>added in V1.1</i>	Mandatory

## message\_inbound

A message to show the inbound information and a set of alternate options.

Name	Description	Required
<b>type</b> string	<b>Value:</b> message_inbound  <i>added in V3.1</i>	Mandatory
<b>alternateOptions</b> <a href="#">alternateOptions</a> [ ]	Set of all the alternate options for this message  <i>added in V3.1</i>	Mandatory

## MESSAGE\_SESSION\_DATA - ALTERNATE OPTIONS

Name	Description	Required
------	-------------	----------

<b>buttonText</b> string	Text of the button. We recommend not to exceed 35 characters. <i>added in V3.1</i>	Mandatory
<b>action</b> string	Id of a configured <a href="#">node</a> that will replace the current one. <i>modified in V3.1</i>	Mandatory

## File examples

The next example shows how to set a chatbot meant for sales, that begins with a filter to distinguish between clients and everyone else.

The customers that are clients will be suggested to contact to the customer care service (with a link to the contact details) or enter to their private area (with a link to the private area login).

The customers that are not clients will be asked their current provider, and plan, for analytical purposes. Then, they will be asked how they prefer to talk, via phone or chat. If they want to talk via phone, they will have to provide their phone number and accept the privacy policy before starting the session with an agent.

All the sessions will be redirected to the default seed, as no other seed has ben set during the chatbot conversation.

### chatbot.json

```
{
  "version": "3.5",
  "client": "6b4ae9d1-3f71-43de-9981-683aaa128748",
  "chatbotId": "salesService",
  "launchNode": "welcomeMessage",
  "nodes": {
    "welcomeMessage": {
      "type": "message_simple",
      "text": "A few more details will help get you to the right
person",
      "action": "clientFilter"
    },
    "clientFilter": {
      "type": "message_button",
      "text": "Are you already a client?",
      "options": [
        {
          "buttonText": "Yes, I'm a client",
          "action": "customerCare"
        },
        {
          "buttonText": "No, I'm not a client yet",
          "action": "currentProviderMessage"
        }
      ]
    },
    "customerCare": {
      "type": "message_link",
      "text": "Please, get in touch with our Customer Care service, or
enter on your private area to report your issue.",
      "action": "end",

```

```
"resultCode": 3,
"links": [
  {
    "linkText": "Customer Care contact",
    "linkUrl": "https://www.website.com/customer-care/"
  },
  {
    "linkText": "Private Area",
    "linkUrl": "https://www.website.com/private-area/"
  }
]
},
"currentProviderMessage": {
  "type": "message_simple",
  "text": "Which is your current provider and plan?",
  "action": "currentProviderForm"
},
"currentProviderForm": {
  "type": "message_session_data",
  "fields": [
    {
      "type": "select",
      "id": "currentProvider",
      "mandatory": true,
      "placeholder": "Your current provider",
      "options": [
        {
          "label": "Starphone",
          "value": "starphone"
        },
        {
          "label": "Silverphone",
          "value": "silverphone"
        },
        {
          "label": "Goldnet",
          "value": "goldnet"
        },
        {
          "label": "I don't have any provider",
          "value": "none"
        }
      ]
    }
  ],
  {
    "type": "input_text",
    "id": "currentPlan",
    "mandatory": false,
    "placeholder": "Your current plan",
    "validation": {
```

```
    "pattern": "[A-Za-z]{15}",
    "error": "Please enter less than 15 characters without numbers
or symbols"
  }
}
],
"submit": {
  "buttonText": "Next",
  "action": "setSessionType"
}
},
"setSessionType": {
  "type": "message_button",
  "text": "How do you want to talk?",
  "options": [
    {
      "buttonText": "Chat",
      "action": "chatConfirmation"
    },
    {
      "buttonText": "Phone",
      "action": "phoneMessage"
    }
  ]
},
"chatConfirmation": {
  "type": "message_simple",
  "text": "Great! You will be attended in a moment",
  "action": "start"
},
"phoneMessage": {
  "type": "message_simple",
  "text": "Provide your phone number so that one of our experts can
call you",
  "action": "callMeNowForm"
},
"callMeNowForm": {
  "type": "message_session_data",
  "fields": [
    {
      "type": "input_phone",
      "mandatory": true
    },
    {
      "type": "checkbox_privacy_policy"
    }
  ]
},
"submit": {
  "buttonText": "Connect now",
  "displayLegal": true,
```

```
"action": "start"  
}
```

```
}
}
}
```

The next example shows how to set a chatbot that redirects the customer to one seed or another depending on their responses, to find the expert that better fits their needs. To do so, the different Seeds must be previously configured and identified in the json file.

#### chatbot.json

```
{
  "version": "3.5",
  "client": "6b4ae9d1-3f71-43de-9981-683aaa128748",
  "chatbotId": "telcoShop",
  "seeds": {
    "mobileTeam": {
      "seed": "58107f8c-c930-453b-a253-d63b165c3a62"
    },
    "internetTeam": {
      "seed": "d4ff7a14-fdf2-45c2-9e87-074c7d841c77"
    },
    "televisionTeam": {
      "seed": "45c2a987-2588-482b-a437-bf04f25b4a1f"
    }
  },
  "launchNode": "qualifierQuestion",
  "nodes": {
    "qualifierQuestion": {
      "type": "message_button",
      "text": "What do you want to talk about?",
      "options": [
        {
          "buttonText": "Mobile plans",
          "seed": "mobileTeam",
          "action": "phoneMessage"
        },
        {
          "buttonText": "Internet plans",
          "seed": "internetTeam",
          "action": "phoneMessage"
        },
        {
          "buttonText": "Television",
          "seed": "televisionTeam",
          "action": "phoneMessage"
        }
      ]
    }
  }
},
```

```
"phoneMessage": {
  "type": "message_simple",
  "text": "Provide your phone number so that one of our experts can
call you",
  "action": "callMeNowForm"
},
"callMeNowForm": {
  "type": "message_session_data",
  "fields": [
    {
      "type": "input_phone",
      "mandatory": true
    }
  ],
  "submit": {
    "buttonText": "Connect now",
    "displayLegal": true,
    "action": "start"
  }
}
```

```
}  
}  
}
```

The next example shows how to set a chatbot that pushes the customer to provide their phone number to be called, but as alternate options they can also choose the inbound (which will show a phone number for the customer to call) or the agenda (which will let them choose the date and time when they want to be called). If they choose one of these alternative options, the content displayed to the customer will change.

This example also shows how to set the GDPR legal agreements, to be shown before starting or scheduling a session

### chatbot.json

```
{  
  "version": "3.5",  
  "client": "6b4ae9d1-3f71-43de-9981-683aaa128748",  
  "chatbotId": "telcoShop",  
  "launchNode": "formMessage",  
  "nodes": {  
    "formMessage": {  
      "type": "message_simple",  
      "text": "Provide your phone number so that one of our experts can  
call you",  
      "action": "callMeNowForm"  
    },  
    "callMeNowForm": {  
      "type": "message_session_data",  
      "fields": [  
        {  
          "type": "input_phone",  
          "mandatory": true  
        }  
      ],  
      "submit": {  
        "buttonText": "Connect now",  
        "displayLegal": true,  
        "action": "start"  
      },  
      "alternateOptions": [  
        {  
          "buttonText": "I'll call myself",  
          "action": "inboundNode",  
          "displayLegal": true  
        },  
        {  
          "buttonText": "Call me later",  
          "action": "agendaForm"  
        }  
      ]  
    }  
  }  
}
```

```
]
},
"agendaForm": {
  "type": "message_session_data",
  "fields": [
    {
      "type": "input_phone",
      "mandatory": true
    },
    {
      "type": "input_datetime"
    }
  ],
  "submit": {
    "buttonText": "Book an appointment",
    "action": "schedule"
  },
  "alternateOptions": [
    {
      "buttonText": "I'll call myself",
      "displayLegal": true,
      "action": "inboundNode"
    },
    {
      "buttonText": "Call me now",
      "action": "callMeNowForm"
    }
  ]
},
"inboundNode": {
  "type": "message_inbound",
  "alternateOptions": [
    {
      "buttonText": "Call me now",
      "action": "callMeNowForm"
    },
    {
      "buttonText": "Call me later",
      "action": "agendaForm"
    }
  ]
}
```

```
}  
  }  
}
```