

Telegram Bot API

The Bot API is an HTTP-based interface created for developers keen on building bots for Telegram.

To learn how to create and set up a bot, please consult our [Introduction to Bots](#) and [Bot FAQ](#).

Recent changes

[Authorization](#)[Making requests](#)[Getting updates](#)[Available types](#)[Available methods](#)[Inline mode](#)

Recent changes

January 20, 2016

- By the way, you can use both HTML-style and markdown-style formatting in your bot's messages to send bold, italic or fixed-width text and inline links. All official Telegram clients support this. See [Formatting options](#) for details.

January 14, 2016

- You can now [collect feedback](#) on which results provided by your inline bot get chosen by the users. Added the `/setinlinefeedback` command for [@Botfather](#), new type [ChosenInlineResult](#), new field `chosen_inline_result` to the [Update](#) object.

January 4, 2016

- Added support for [Inline Mode](#), a new way for people to contact your bot by typing its username and a query in the text input field in any chat. Enable by sending `/setinline` to [@BotFather](#).
- New optional field `inline_query` added to the [Update](#) object.
- Added new method [answerInlineQuery](#) and new objects [InlineQuery](#), [InlineQueryResultArticle](#), [InlineQueryResultPhoto](#), [InlineQueryResultGif](#), [InlineQueryResultMpeg4Gif](#) and [InlineQueryResultVideo](#).

[Go to full changelog »](#)

Authorizing your bot

Each bot is given a unique authentication token [when it is created](#). The token looks something like `123456:ABC-DEF1234ghIk1-zyx57W2v1u123ew11`, but we'll use simply `<token>` in this document instead. You can learn about obtaining tokens and generating new ones in [this document](#).

Making requests

All queries to the Telegram Bot API must be served over HTTPS and need to be presented in this form:

`https://api.telegram.org/bot<token>/METHOD_NAME`. Like this for example:

```
https://api.telegram.org/bot123456:ABC-DEF1234ghIkl-zyx57W2v1u123ew11/getMe
```

We support **GET** and **POST** HTTP methods. We support four ways of passing parameters in Bot API requests:

- [URL query string](#)
- `application/x-www-form-urlencoded`
- `application/json` (except for uploading files)
- `multipart/form-data` (use to upload files)

The response contains a JSON object, which always has a Boolean field `'ok'` and may have an optional String field `'description'` with a human-readable description of the result. If `'ok'` equals `true`, the request was successful and the result of the query can be found in the `'result'` field. In case of an unsuccessful request, `'ok'` equals `false` and the error is explained in the `'description'`. An Integer `'error_code'` field is also returned, but its contents are subject to change in the future.

- All methods in the Bot API are case-insensitive.
- All queries must be made using UTF-8.

Making requests when getting updates

If you're using [webhooks](#), you can perform a request to the Bot API while sending an answer to the webhook. Use either `application/json` or `application/x-www-form-urlencoded` or `multipart/form-data` response content type for passing parameters. Specify the method to be invoked in the `method` parameter of the request. It's not possible to know that such a request was successful or get its result.

Please see our [FAQ](#) for examples.

Getting updates

There are two mutually exclusive ways of receiving updates for your bot — the [getUpdates](#) method on one hand and [Webhooks](#) on the other. Incoming updates are stored on the server until the bot receives them either way, but they will not be kept longer than 24 hours.

Regardless of which option you choose, you will receive JSON-serialized [Update](#) objects as a result.

Update

This [object](#) represents an incoming update.

Only **one** of the optional parameters can be present in any given update.

Field	Type	Description
<code>update_id</code>	Integer	The update's unique identifier. Update identifiers start from a certain positive number and increase sequentially. This ID becomes especially handy if you're using Webhooks , since it allows you to ignore repeated updates or to restore the correct update sequence, should they get out of order.
<code>message</code>	Message	<i>Optional.</i> New incoming message of any kind — text, photo, sticker, etc.
<code>inline_query</code>	InlineQuery	<i>Optional.</i> New incoming inline query
<code>chosen_inline_result</code>	ChosenInlineResult	<i>Optional.</i> The result of an inline query that was chosen by a user and sent to their chat partner.

getUpdates

Use this method to receive incoming updates using long polling ([wiki](#)). An Array of [Update](#) objects is returned.

Parameters	Type	Required	Description
offset	Integer	Optional	Identifier of the first update to be returned. Must be greater by one than the highest among the identifiers of previously received updates. By default, updates starting with the earliest unconfirmed update are returned. An update is considered confirmed as soon as getUpdates is called with an <i>offset</i> higher than its <i>update_id</i> .
limit	Integer	Optional	Limits the number of updates to be retrieved. Values between 1—100 are accepted. Defaults to 100
timeout	Integer	Optional	Timeout in seconds for long polling. Defaults to 0, i.e. usual short polling

Notes

1. This method will not work if an outgoing webhook is set up.
2. In order to avoid getting duplicate updates, recalculate *offset* after each server response.

setWebhook

Use this method to specify a url and receive incoming updates via an outgoing webhook. Whenever there is an update for the bot, we will send an HTTPS POST request to the specified url, containing a JSON-serialized [Update](#). In case of an unsuccessful request, we will give up after a reasonable amount of attempts.

If you'd like to make sure that the Webhook request comes from Telegram, we recommend using a secret path in the URL, e.g. <https://www.example.com/<token>>. Since nobody else knows your bot's token, you can be pretty sure it's us.

Parameters	Type	Required	Description
url	String	Optional	HTTPS url to send updates to. Use an empty string to remove webhook integration
certificate	InputFile	Optional	Upload your public key certificate so that the root certificate in use can be checked. See our self-signed guide for details.

Notes

1. You will not be able to receive updates using [getUpdates](#) for as long as an outgoing webhook is set up.
2. To use a self-signed certificate, you need to upload your [public key certificate](#) using *certificate* parameter. Please upload as [InputFile](#), sending a String will not work.
3. Ports currently supported *for Webhooks*: **443, 80, 88, 8443**.

Available types

All types used in the Bot API responses are represented as JSON-objects.

- [User](#)
- [Chat](#)
- [Message](#)
- [PhotoSize](#)
- [Audio](#)
- [Document](#)
- [Sticker](#)
- [Video](#)
- [Voice](#)

- [Contact](#)
- [Location](#)
- [Update](#)
- [InputFile](#)
- [UserProfilePhotos](#)
- [ReplyKeyboardMarkup](#)
- [ReplyKeyboardHide](#)
- [ForceReply](#)
- [File](#) (used for downloading)

Inline bots

- [InlineQueryResultArticle](#)
- [InlineQueryResultPhoto](#)
- [InlineQueryResultGif](#)
- [InlineQueryResultMpeg4Gif](#)
- [InlineQueryResultVideo](#)
- [ChosenInlineResult](#)

It is safe to use 32-bit signed integers for storing all **Integer** fields unless otherwise noted.

Optional fields may be not returned when irrelevant.

User

This object represents a Telegram user or bot.

Field	Type	Description
id	Integer	Unique identifier for this user or bot
first_name	String	User's or bot's first name
last_name	String	<i>Optional.</i> User's or bot's last name
username	String	<i>Optional.</i> User's or bot's username

Chat

This object represents a chat.

Field	Type	Description
id	Integer	Unique identifier for this chat, not exceeding 1 e13 by absolute value
type	String	Type of chat, can be either "private", "group", "supergroup" or "channel"
title	String	<i>Optional.</i> Title, for channels and group chats
username	String	<i>Optional.</i> Username, for private chats and channels if available
first_name	String	<i>Optional.</i> First name of the other party in a private chat
last_name	String	<i>Optional.</i> Last name of the other party in a private chat

Message

This object represents a message.

Field	Type	Description
message_id	Integer	Unique message identifier
from	User	<i>Optional.</i> Sender, can be empty for messages sent to channels
date	Integer	Date the message was sent in Unix time
chat	Chat	Conversation the message belongs to
forward_from	User	<i>Optional.</i> For forwarded messages, sender of the original message
forward_date	Integer	<i>Optional.</i> For forwarded messages, date the original message was sent in Unix time
reply_to_message	Message	<i>Optional.</i> For replies, the original message. Note that the Message object in this field will not contain further <i>reply_to_message</i> fields even if it itself is a reply.
text	String	<i>Optional.</i> For text messages, the actual UTF-8 text of the message, 0–4096 characters.
audio	Audio	<i>Optional.</i> Message is an audio file, information about the file
document	Document	<i>Optional.</i> Message is a general file, information about the file
photo	Array of PhotoSize	<i>Optional.</i> Message is a photo, available sizes of the photo
sticker	Sticker	<i>Optional.</i> Message is a sticker, information about the sticker
video	Video	<i>Optional.</i> Message is a video, information about the video
voice	Voice	<i>Optional.</i> Message is a voice message, information about the file
caption	String	<i>Optional.</i> Caption for the photo or video, 0–200 characters
contact	Contact	<i>Optional.</i> Message is a shared contact, information about the contact
location	Location	<i>Optional.</i> Message is a shared location, information about the location
new_chat_participant	User	<i>Optional.</i> A new member was added to the group, information about them (this member may be the bot itself)
left_chat_participant	User	<i>Optional.</i> A member was removed from the group, information about them (this member may be the bot itself)
new_chat_title	String	<i>Optional.</i> A chat title was changed to this value
new_chat_photo	Array of PhotoSize	<i>Optional.</i> A chat photo was change to this value
delete_chat_photo	True	<i>Optional.</i> Service message: the chat photo was deleted

group_chat_created	True	<i>Optional.</i> Service message: the group has been created
supergroup_chat_created	True	<i>Optional.</i> Service message: the supergroup has been created
channel_chat_created	True	<i>Optional.</i> Service message: the channel has been created
migrate_to_chat_id	Integer	<i>Optional.</i> The group has been migrated to a supergroup with the specified identifier, not exceeding 1e13 by absolute value
migrate_from_chat_id	Integer	<i>Optional.</i> The supergroup has been migrated from a group with the specified identifier, not exceeding 1e13 by absolute value

PhotoSize

This object represents one size of a photo or a [file](#) / [sticker](#) thumbnail.

Field	Type	Description
file_id	String	Unique identifier for this file
width	Integer	Photo width
height	Integer	Photo height
file_size	Integer	<i>Optional.</i> File size

Audio

This object represents an audio file to be treated as music by the Telegram clients.

Field	Type	Description
file_id	String	Unique identifier for this file
duration	Integer	Duration of the audio in seconds as defined by sender
performer	String	<i>Optional.</i> Performer of the audio as defined by sender or by audio tags
title	String	<i>Optional.</i> Title of the audio as defined by sender or by audio tags
mime_type	String	<i>Optional.</i> MIME type of the file as defined by sender
file_size	Integer	<i>Optional.</i> File size

Document

This object represents a general file (as opposed to [photos](#), [voice messages](#) and [audio files](#)).

Field	Type	Description
file_id	String	Unique file identifier
thumb	PhotoSize	<i>Optional.</i> Document thumbnail as defined by sender
file_name	String	<i>Optional.</i> Original filename as defined by sender

mime_type	String	<i>Optional.</i> MIME type of the file as defined by sender
file_size	Integer	<i>Optional.</i> File size

Sticker

This object represents a sticker.

Field	Type	Description
file_id	String	Unique identifier for this file
width	Integer	Sticker width
height	Integer	Sticker height
thumb	PhotoSize	<i>Optional.</i> Sticker thumbnail in .webp or .jpg format
file_size	Integer	<i>Optional.</i> File size

Video

This object represents a video file.

Field	Type	Description
file_id	String	Unique identifier for this file
width	Integer	Video width as defined by sender
height	Integer	Video height as defined by sender
duration	Integer	Duration of the video in seconds as defined by sender
thumb	PhotoSize	<i>Optional.</i> Video thumbnail
mime_type	String	<i>Optional.</i> Mime type of a file as defined by sender
file_size	Integer	<i>Optional.</i> File size

Voice

This object represents a voice note.

Field	Type	Description
file_id	String	Unique identifier for this file
duration	Integer	Duration of the audio in seconds as defined by sender
mime_type	String	<i>Optional.</i> MIME type of the file as defined by sender
file_size	Integer	<i>Optional.</i> File size

Contact

This object represents a phone contact.

Field	Type	Description
phone_number	String	Contact's phone number
first_name	String	Contact's first name
last_name	String	<i>Optional.</i> Contact's last name
user_id	Integer	<i>Optional.</i> Contact's user identifier in Telegram

Location

This object represents a point on the map.

Field	Type	Description
longitude	Float	Longitude as defined by sender
latitude	Float	Latitude as defined by sender

UserProfilePhotos

This object represent a user's profile pictures.

Field	Type	Description
total_count	Integer	Total number of profile pictures the target user has
photos	Array of Array of PhotoSize	Requested profile pictures (in up to 4 sizes each)

File

This object represents a file ready to be downloaded. The file can be downloaded via the link https://api.telegram.org/file/bot<token>/<file_path> . It is guaranteed that the link will be valid for at least 1 hour. When the link expires, a new one can be requested by calling [getFile](#).

Maximum file size to download is 20 MB

Field	Type	Description
file_id	String	Unique identifier for this file
file_size	Integer	<i>Optional.</i> File size, if known
file_path	String	<i>Optional.</i> File path. Use <a href="https://api.telegram.org/file/bot<token>/<file_path>">https://api.telegram.org/file/bot<token>/<file_path> to get the file.

ReplyKeyboardMarkup

This object represents a [custom keyboard](#) with reply options (see [Introduction to bots](#) for details and examples).

Field	Type	Description
-------	------	-------------

keyboard	Array of Array of String	Array of button rows, each represented by an Array of Strings
resize_keyboard	Boolean	<i>Optional.</i> Requests clients to resize the keyboard vertically for optimal fit (e.g., make the keyboard smaller if there are just two rows of buttons). Defaults to <i>false</i> , in which case the custom keyboard is always of the same height as the app's standard keyboard.
one_time_keyboard	Boolean	<i>Optional.</i> Requests clients to hide the keyboard as soon as it's been used. Defaults to <i>false</i> .
selective	Boolean	<p><i>Optional.</i> Use this parameter if you want to show the keyboard to specific users only. Targets: 1) users that are @mentioned in the <i>text</i> of the Message object; 2) if the bot's message is a reply (has <i>reply_to_message_id</i>), sender of the original message.</p> <p><i>Example:</i> A user requests to change the bot's language, bot replies to the request with a keyboard to select the new language. Other users in the group don't see the keyboard.</p>

ReplyKeyboardHide

Upon receiving a message with this object, Telegram clients will hide the current custom keyboard and display the default letter-keyboard. By default, custom keyboards are displayed until a new keyboard is sent by a bot. An exception is made for one-time keyboards that are hidden immediately after the user presses a button (see [ReplyKeyboardMarkup](#)).

Field	Type	Description
hide_keyboard	True	Requests clients to hide the custom keyboard
selective	Boolean	<p><i>Optional.</i> Use this parameter if you want to hide keyboard for specific users only. Targets: 1) users that are @mentioned in the <i>text</i> of the Message object; 2) if the bot's message is a reply (has <i>reply_to_message_id</i>), sender of the original message.</p> <p><i>Example:</i> A user votes in a poll, bot returns confirmation message in reply to the vote and hides keyboard for that user, while still showing the keyboard with poll options to users who haven't voted yet.</p>

ForceReply

Upon receiving a message with this object, Telegram clients will display a reply interface to the user (act as if the user has selected the bot's message and tapped 'Reply'). This can be extremely useful if you want to create user-friendly step-by-step interfaces without having to sacrifice [privacy mode](#).

Field	Type	Description
force_reply	True	Shows reply interface to the user, as if they manually selected the bot's message and tapped 'Reply'
selective	Boolean	<p><i>Optional.</i> Use this parameter if you want to force reply from specific users only. Targets: 1) users that are @mentioned in the <i>text</i> of the Message object; 2) if the bot's message is a reply (has <i>reply_to_message_id</i>), sender of the original message.</p>

Example: A [poll bot](#) for groups runs in privacy mode (only receives commands, replies to its messages and mentions). There could be two ways to create a new poll:

- Explain the user how to send a command with parameters (e.g. `/newpoll question answer1 answer2`). May be appealing for hardcore users but lacks modern day polish.
- Guide the user through a step-by-step process. 'Please send me your question', 'Cool, now let's add the first answer option', 'Great. Keep adding answer options, then send `/done` when you're ready'.

The last option is definitely more attractive. And if you use [ForceReply](#) in your bot's questions, it will receive the user's answers even if it only receives replies, commands and mentions — without any extra work for the user.

InputFile

This object represents the contents of a file to be uploaded. Must be posted using multipart/form-data in the usual way that files are uploaded via the browser.

Resending files without reuploading

There are **two ways** of sending a file (photo, sticker, audio etc.). If it's a new file, you can upload it using multipart/form-data. If the file is already on our servers, you don't need to reupload it: each file object has a **file_id** field, you can simply pass this **file_id** as a parameter instead.

- It is not possible to change the file type when resending by **file_id**. I.e. a [video](#) can't be [sent as a photo](#), a [photo](#) can't be [sent as a document](#), etc.
- It is not possible to resend thumbnails.
- Resending a photo by **file_id** will send all of its [sizes](#).

Available methods

- [getMe](#)
- [sendMessage](#)
- [forwardMessage](#)
- [sendPhoto](#)
- [sendAudio](#)
- [sendDocument](#)
- [sendSticker](#)
- [sendVideo](#)
- [sendVoice](#)
- [sendLocation](#)
- [sendChatAction](#)
- [getUserProfilePhotos](#)
- [getUpdates](#)
- [setWebhook](#)
- [getFile](#)
- [answerInlineQuery](#) **inline bots**

All methods in the Bot API are case-insensitive. We support **GET** and **POST** HTTP methods. Use either [URL query string](#) or *application/json* or *application/x-www-form-urlencoded* or *multipart/form-data* for passing parameters in Bot API requests. On successful call, a JSON-object containing the result will be returned.

getMe

A simple method for testing your bot's auth token. Requires no parameters. Returns basic information about the bot in form of a [User](#) object.

sendMessage

Use this method to send text messages. On success, the sent [Message](#) is returned.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code>)
text	String	Yes	Text of the message to be sent
parse_mode	String	Optional	Send Markdown or HTML , if you want Telegram apps to show bold , italic , fixed-width text or inline URLs in your bot's message.
disable_web_page_preview	Boolean	Optional	Disables link previews for links in this message
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	ReplyKeyboardMarkup or ReplyKeyboardHide or ForceReply	Optional	Additional interface options. A JSON-serialized object for a custom reply keyboard , instructions to hide keyboard or to force a reply from the user.

Formatting options

The Bot API supports basic formatting for messages. You can use bold and italic text, as well as inline links and pre-formatted code in your bots' messages. Telegram clients will render them accordingly. You can use either markdown-style or HTML-style formatting.

Note that Telegram clients will display an **alert** to the user before opening an inline link ('Open this link?' together with the full URL).

Markdown style

To use this mode, pass *Markdown* in the *parse_mode* field when using [sendMessage](#). Use the following syntax in your message:

```
*bold text*
_italic text_
[text](URL)
`inline fixed-width code`
```pre-formatted fixed-width code block```
```

### HTML style

To use this mode, pass *HTML* in the *parse\_mode* field when using [sendMessage](#). The following tags are currently supported:

```
bold, bold
<i>italic</i>, italic
inline URL
<code>inline fixed-width code</code>
<pre>pre-formatted fixed-width code block</pre>
```

Please note:

- Only the tags mentioned above are currently supported.

- Tags must not be nested.
- All `<`, `>` and `&` symbols that are not a part of a tag or an HTML entity must be replaced with the corresponding HTML entities ( `<` with `&lt;`; `>` with `&gt;`; and `&` with `&amp;` ).
- All numerical HTML entities are supported.
- The API currently supports only the following named HTML entities: `&lt;`; `&gt;`; `&amp;` and `&quot;` .

## forwardMessage

Use this method to forward messages of any kind. On success, the sent [Message](#) is returned.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code> )
from_chat_id	Integer or String	Yes	Unique identifier for the chat where the original message was sent (or channel username in the format <code>@channelusername</code> )
message_id	Integer	Yes	Unique message identifier

## sendPhoto

Use this method to send photos. On success, the sent [Message](#) is returned.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code> )
photo	<a href="#">InputFile</a> or String	Yes	Photo to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> a photo that is already on the Telegram servers, or upload a new photo using multipart/form-data.
caption	String	Optional	Photo caption (may also be used when resending photos by <i>file_id</i> ), 0–200 characters.
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendAudio

Use this method to send audio files, if you want Telegram clients to display them in the music player. Your audio must be in the .mp3 format. On success, the sent [Message](#) is returned. Bots can currently send audio files of up to 50 MB in size, this limit may be changed in the future.

For backward compatibility, when the fields **title** and **performer** are both empty and the mime-type of the file to be sent is not *audio/mpeg*, the file will be sent as a playable voice message. For this to work, the audio must be in an .ogg file encoded with OPUS. This behavior will be phased out in the future. For sending voice messages, use the [sendVoice](#) method instead.

Parameters	Type	Required	Description
------------	------	----------	-------------

chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code> )
audio	<a href="#">InputFile</a> or String	Yes	Audio file to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> an audio that is already on the Telegram servers, or upload a new audio file using <b>multipart/form-data</b> .
duration	Integer	Optional	Duration of the audio in seconds
performer	String	Optional	Performer
title	String	Optional	Track name
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendDocument

Use this method to send general files. On success, the sent [Message](#) is returned. Bots can currently send files of any type of up to 50 MB in size, this limit may be changed in the future.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code> )
document	<a href="#">InputFile</a> or String	Yes	File to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> a file that is already on the Telegram servers, or upload a new file using <b>multipart/form-data</b> .
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendSticker

Use this method to send .webp stickers. On success, the sent [Message](#) is returned.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <code>@channelusername</code> )
sticker	<a href="#">InputFile</a> or String	Yes	Sticker to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> a sticker that is already on the Telegram servers, or upload a new sticker using <b>multipart/form-data</b> .

reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendVideo

Use this method to send video files, Telegram clients support mp4 videos (other formats may be sent as [Document](#)). On success, the sent [Message](#) is returned. Bots can currently send video files of up to 50 MB in size, this limit may be changed in the future.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <a href="#">@channelusername</a> )
video	<a href="#">InputFile</a> or String	Yes	Video to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> a video that is already on the Telegram servers, or upload a new video file using <b>multipart/form-data</b> .
duration	Integer	Optional	Duration of sent video in seconds
caption	String	Optional	Video caption (may also be used when resending videos by <i>file_id</i> ), 0–200 characters.
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendVoice

Use this method to send audio files, if you want Telegram clients to display the file as a playable voice message. For this to work, your audio must be in an .ogg file encoded with OPUS (other formats may be sent as [Audio](#) or [Document](#)). On success, the sent [Message](#) is returned. Bots can currently send voice messages of up to 50 MB in size, this limit may be changed in the future.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <a href="#">@channelusername</a> )
voice	<a href="#">InputFile</a> or String	Yes	Audio file to send. You can either pass a <i>file_id</i> as String to <a href="#">resend</a> an audio that is already on the Telegram servers, or upload a new audio file using <b>multipart/form-data</b> .
duration	Integer	Optional	Duration of sent audio in seconds
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message

reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.
--------------	--------------------------------------------------------------------------------------------------------	----------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------

## sendLocation

Use this method to send point on the map. On success, the sent [Message](#) is returned.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <a href="#">@channelusername</a> )
latitude	Float number	Yes	Latitude of location
longitude	Float number	Yes	Longitude of location
reply_to_message_id	Integer	Optional	If the message is a reply, ID of the original message
reply_markup	<a href="#">ReplyKeyboardMarkup</a> or <a href="#">ReplyKeyboardHide</a> or <a href="#">ForceReply</a>	Optional	Additional interface options. A JSON-serialized object for a <a href="#">custom reply keyboard</a> , instructions to hide keyboard or to force a reply from the user.

## sendChatAction

Use this method when you need to tell the user that something is happening on the bot's side. The status is set for 5 seconds or less (when a message arrives from your bot, Telegram clients clear its typing status).

Example: The [ImageBot](#) needs some time to process a request and upload the image. Instead of sending a text message along the lines of “Retrieving image, please wait...”, the bot may use [sendChatAction](#) with *action* = *upload\_photo*. The user will see a “sending photo” status for the bot.

We only recommend using this method when a response from the bot will take a **noticeable** amount of time to arrive.

Parameters	Type	Required	Description
chat_id	Integer or String	Yes	Unique identifier for the target chat or username of the target channel (in the format <a href="#">@channelusername</a> )
action	String	Yes	Type of action to broadcast. Choose one, depending on what the user is about to receive: <i>typing</i> for <a href="#">text messages</a> , <i>upload_photo</i> for <a href="#">photos</a> , <i>record_video</i> or <i>upload_video</i> for <a href="#">videos</a> , <i>record_audio</i> or <i>upload_audio</i> for <a href="#">audio files</a> , <i>upload_document</i> for <a href="#">general files</a> , <i>find_location</i> for <a href="#">location data</a> .

## getUserProfilePhotos

Use this method to get a list of profile pictures for a user. Returns a [UserProfilePhotos](#) object.

Parameters	Type	Required	Description
------------	------	----------	-------------

user_id	Integer	Yes	Unique identifier of the target user
offset	Integer	Optional	Sequential number of the first photo to be returned. By default, all photos are returned.
limit	Integer	Optional	Limits the number of photos to be retrieved. Values between 1—100 are accepted. Defaults to 100.

## getFile

Use this method to get basic info about a file and prepare it for downloading. For the moment, bots can download files of up to 20MB in size. On success, a [File](#) object is returned. The file can then be downloaded via the link [https://api.telegram.org/file/bot<token>/<file\\_path>](https://api.telegram.org/file/bot<token>/<file_path>), where `<file_path>` is taken from the response. It is guaranteed that the link will be valid for at least 1 hour. When the link expires, a new one can be requested by calling [getFile](#) again.

Parameters	Type	Required	Description
file_id	String	Yes	File identifier to get info about

## Inline mode

The following methods and objects allow your bot to work in [inline mode](#). Please see our [Introduction to Inline bots](#) for more details.

To enable this option, send the `/setinline` command to [@BotFather](#) and provide the placeholder text that the user will see in the input field after typing your bot's name.

## InlineQuery

This object represents an incoming inline query. When the user sends an empty query, your bot could return some default or trending results.

Field	Type	Description
id	String	Unique identifier for this query
from	<a href="#">User</a>	Sender
query	String	Text of the query
offset	String	Offset of the results to be returned, can be controlled by the bot

## answerInlineQuery

Use this method to send answers to an inline query. On success, `True` is returned. No more than **50** results per query are allowed.

Parameters	Type	Required	Description
inline_query_id	String	Yes	Unique identifier for the answered query
results	Array of <a href="#">InlineQueryResult</a>	Yes	A JSON-serialized array of results for the inline query
cache_time	Integer	Optional	The maximum amount of time in seconds that the result of the inline query may be cached on the server. Defaults to 300.



is_personal	Boolean	Optional	Pass <i>True</i> , if results may be cached on the server side only for the user that sent the query. By default, results may be returned to any user who sends the same query
next_offset	String	Optional	Pass the offset that a client should send in the next query with the same text to receive more results. Pass an empty string if there are no more results or if you don't support pagination. Offset length can't exceed 64 bytes.

## InlineQueryResult

This object represents one result of an inline query. Telegram clients currently support results of the following 5 types:

- [InlineQueryResultArticle](#)
- [InlineQueryResultPhoto](#)
- [InlineQueryResultGif](#)
- [InlineQueryResultMpeg4Gif](#)
- [InlineQueryResultVideo](#)

## InlineQueryResultArticle

Represents a link to an article or web page.

Field	Type	Description
type	String	Type of the result, must be <i>article</i>
id	String	Unique identifier for this result, 1–64 Bytes
title	String	Title of the result
message_text	String	Text of the message to be sent, 1–4096 characters
parse_mode	String	<i>Optional.</i> Send <i>Markdown</i> or <i>HTML</i> , if you want Telegram apps to show <a href="#">bold</a> , <a href="#">italic</a> , <a href="#">fixed-width text</a> or <a href="#">inline URLs</a> in your bot's message.
disable_web_page_preview	Boolean	<i>Optional.</i> Disables link previews for links in the sent message
url	String	<i>Optional.</i> URL of the result
hide_url	Boolean	<i>Optional.</i> Pass <i>True</i> , if you don't want the URL to be shown in the message
description	String	<i>Optional.</i> Short description of the result
thumb_url	String	<i>Optional.</i> Url of the thumbnail for the result
thumb_width	Integer	<i>Optional.</i> Thumbnail width
thumb_height	Integer	<i>Optional.</i> Thumbnail height

## InlineQueryResultPhoto

Represents a link to a photo. By default, this photo will be sent by the user with optional caption. Alternatively, you can provide *message\_text* to send it instead of photo.

Field	Type	Description
-------	------	-------------

type	String	Type of the result, must be <i>photo</i>
id	String	Unique identifier for this result, 1–64 bytes
photo_url	String	A valid URL of the photo. Photo must be in <b>jpeg</b> format. Photo size must not exceed 5MB
photo_width	Integer	<i>Optional</i> . Width of the photo
photo_height	Integer	<i>Optional</i> . Height of the photo
thumb_url	String	URL of the thumbnail for the photo
title	String	<i>Optional</i> . Title for the result
description	String	<i>Optional</i> . Short description of the result
caption	String	<i>Optional</i> . Caption of the photo to be sent, 0–200 characters
message_text	String	<i>Optional</i> . Text of a message to be sent instead of the photo, 1–4096 characters
parse_mode	String	<i>Optional</i> . Send <i>Markdown</i> or <i>HTML</i> , if you want Telegram apps to show <b>bold</b> , <i>italic</i> , <b>fixed-width text</b> or <b>inline URLs</b> in your bot's message.
disable_web_page_preview	Boolean	<i>Optional</i> . Disables link previews for links in the sent message

## InlineQueryResultGif

Represents a link to an animated GIF file. By default, this animated GIF file will be sent by the user with optional caption. Alternatively, you can provide *message\_text* to send it instead of the animation.

Field	Type	Description
type	String	Type of the result, must be <i>gif</i>
id	String	Unique identifier for this result, 1–64 bytes
gif_url	String	A valid URL for the GIF file. File size must not exceed 1MB
gif_width	Integer	<i>Optional</i> . Width of the GIF
gif_height	Integer	<i>Optional</i> . Height of the GIF
thumb_url	String	URL of the static thumbnail for the result (jpeg or gif)
title	String	<i>Optional</i> . Title for the result
caption	String	<i>Optional</i> . Caption of the GIF file to be sent, 0–200 characters
message_text	String	<i>Optional</i> . Text of a message to be sent instead of the animation, 1–4096 characters
parse_mode	String	<i>Optional</i> . Send <i>Markdown</i> or <i>HTML</i> , if you want Telegram apps to show <b>bold</b> , <i>italic</i> , <b>fixed-width text</b> or <b>inline URLs</b> in your bot's message.

`disable_web_page_preview` Boolean *Optional*. Disables link previews for links in the sent message

## InlineQueryResultMpeg4Gif

Represents a link to a video animation (H.264/MPEG-4 AVC video without sound). By default, this animated MPEG-4 file will be sent by the user with optional caption. Alternatively, you can provide *message\_text* to send it instead of the animation.

Field	Type	Description
<code>type</code>	String	Type of the result, must be <i>mpeg4_gif</i>
<code>id</code>	String	Unique identifier for this result, 1–64 bytes
<code>mpeg4_url</code>	String	A valid URL for the MP4 file. File size must not exceed 1MB
<code>mpeg4_width</code>	Integer	<i>Optional</i> . Video width
<code>mpeg4_height</code>	Integer	<i>Optional</i> . Video height
<code>thumb_url</code>	String	URL of the static thumbnail (jpeg or gif) for the result
<code>title</code>	String	<i>Optional</i> . Title for the result
<code>caption</code>	String	<i>Optional</i> . Caption of the MPEG-4 file to be sent, 0–200 characters
<code>message_text</code>	String	<i>Optional</i> . Text of a message to be sent instead of the animation, 1–4096 characters
<code>parse_mode</code>	String	<i>Optional</i> . Send <i>Markdown</i> or <i>HTML</i> , if you want Telegram apps to show <b>bold</b> , <i>italic</i> , <i>fixed-width text</i> or <i>inline URLs</i> in your bot's message.
<code>disable_web_page_preview</code>	Boolean	<i>Optional</i> . Disables link previews for links in the sent message

## InlineQueryResultVideo

Represents link to a page containing an embedded video player or a video file.

Field	Type	Description
<code>type</code>	String	Type of the result, must be <i>video</i>
<code>id</code>	String	Unique identifier for this result, 1–64 bytes
<code>video_url</code>	String	A valid URL for the embedded video player or video file
<code>mime_type</code>	String	Mime type of the content of video url, “text/html” or “video/mp4”
<code>message_text</code>	String	Text of the message to be sent with the video, 1–4096 characters
<code>parse_mode</code>	String	<i>Optional</i> . Send <i>Markdown</i> or <i>HTML</i> , if you want Telegram apps to show <b>bold</b> , <i>italic</i> , <i>fixed-width text</i> or <i>inline URLs</i> in your bot's message.
<code>disable_web_page_preview</code>	Boolean	<i>Optional</i> . Disables link previews for links in the sent message

video_width	Integer	<i>Optional.</i> Video width
video_height	Integer	<i>Optional.</i> Video height
video_duration	Integer	<i>Optional.</i> Video duration in seconds
thumb_url	String	URL of the thumbnail (jpeg only) for the video
title	String	Title for the result
description	String	<i>Optional.</i> Short description of the result

## ChosenInlineResult

This [object](#) represents a [result](#) of an inline query that was chosen by the user and sent to their chat partner.

Field	Type	Description
result_id	String	The unique identifier for the result that was chosen.
from	<a href="#">User</a>	The user that chose the result.
query	String	The query that was used to obtain the result.

And that's about all we've got for now.

If you've got any questions, please check out our [Bot FAQ »](#)

## Telegram

Telegram is a cloud-based mobile and desktop messaging app with a focus on security and speed.

### About

- [FAQ](#)
- [Blog](#)
- [Press](#)

### Mobile Apps

- [iPhone/iPad](#)
- [Android](#)
- [Windows Phone](#)

### Desktop Apps

- [PC/Mac/Linux](#)
- [Mac OS](#)
- [Web-browser](#)

### Platform

- [API](#)
- [Protocol](#)
- [Schema](#)

### About

### Blog

### Apps

### Platform

[Twitter](#)

[Go up](#)