

## Lab 13. Notifications from Zabbix to the Telegram

This guide describes how to send notifications from Zabbix to the Telegram messenger using Telegram Bot API and Zabbix webhook feature.

Supported features:

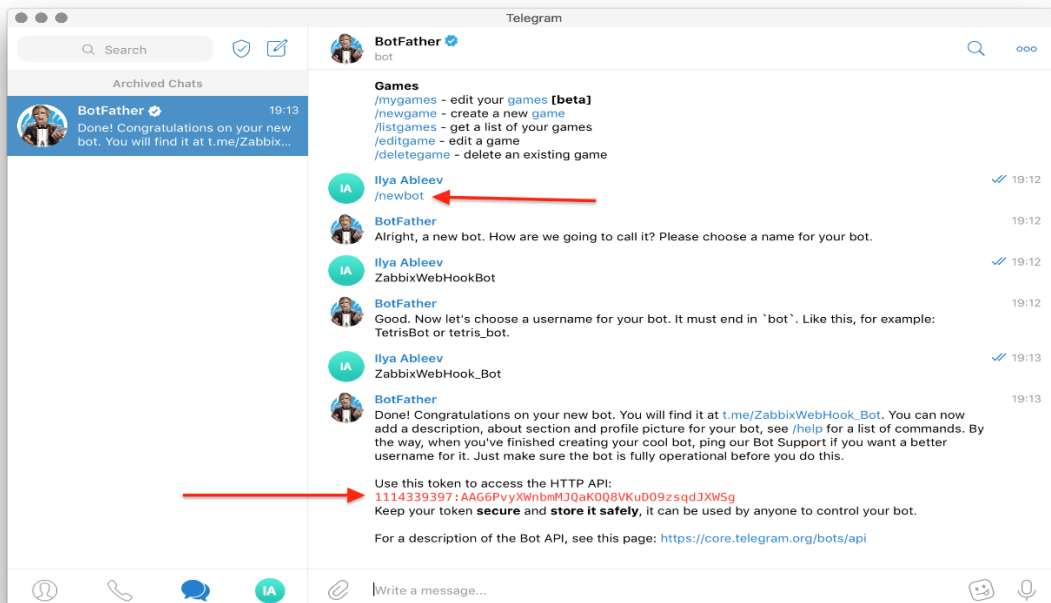
- Personal and group notifications
- Markdown/HTML support

Not implemented:

- Graphs sending - waiting for [ZBXNEXT-5611](#)
- Emoji support

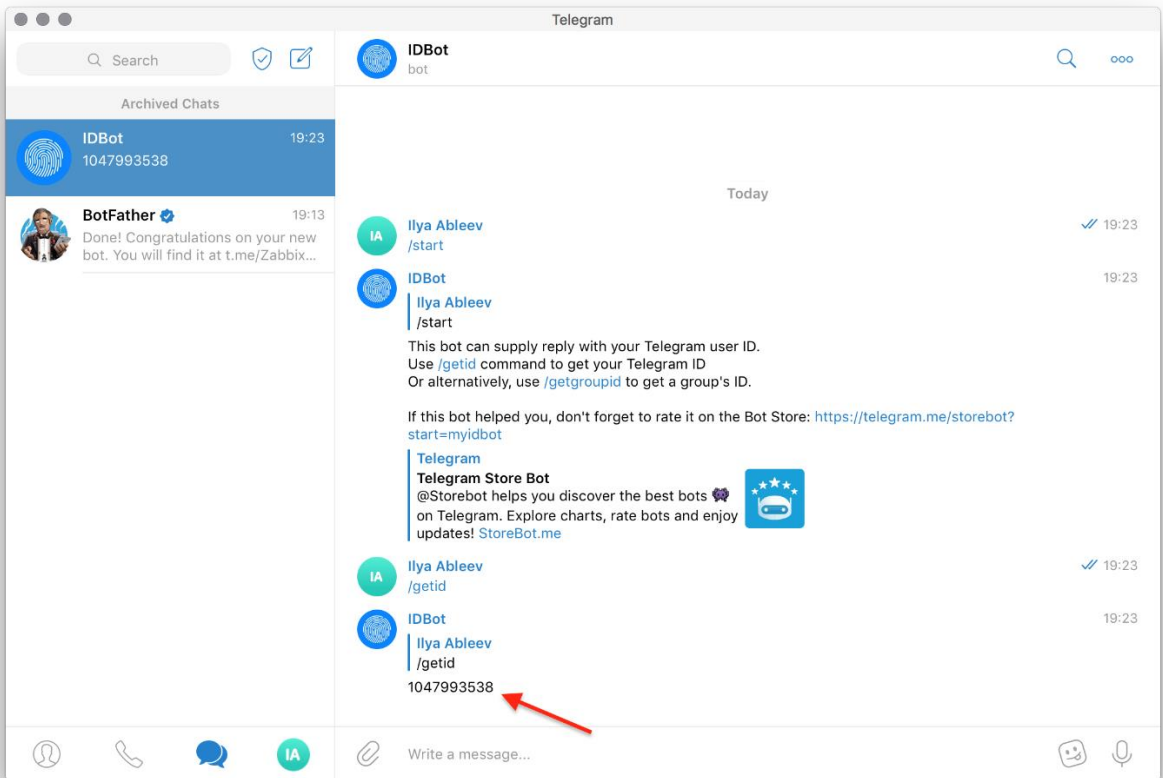
Telegram setup

1. Register a new Telegram Bot: send `"/newbot"` to `@BotFather` and follow the instructions. The token provided by `@BotFather` in the final step will be needed for configuring Zabbix webhook.

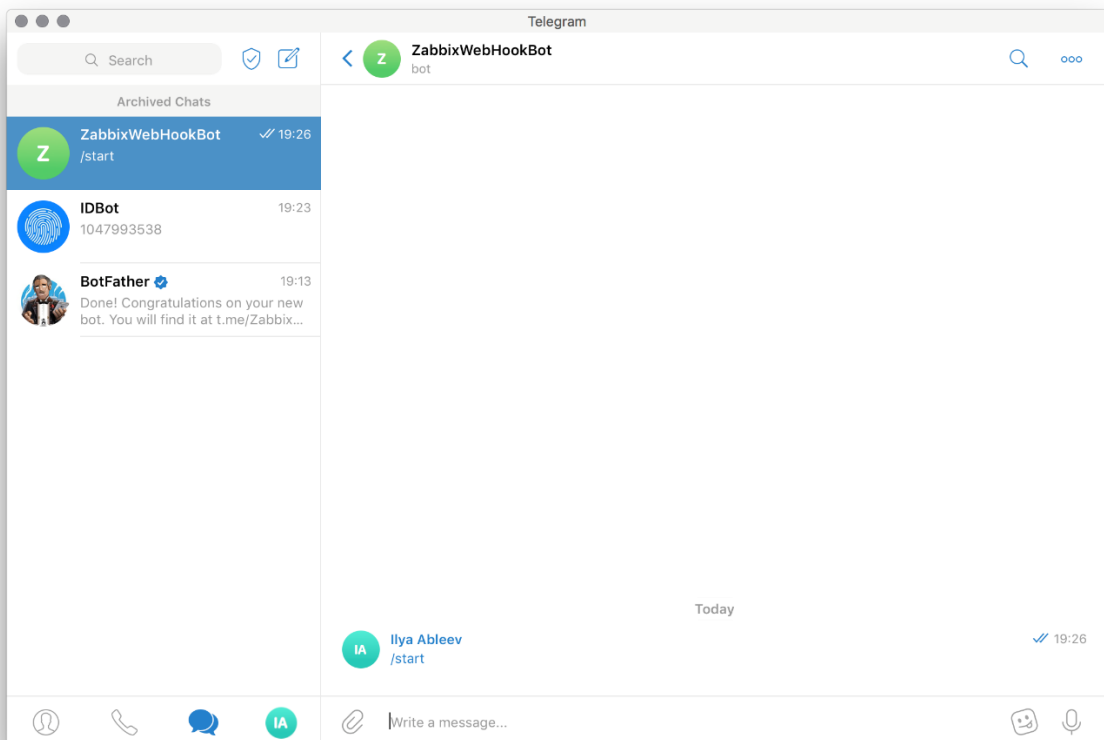


2. If you want to send personal notifications, you need to obtain chat ID of the user the bot should send messages to.

Send `"/getid"` to `"@myidbot"` in Telegram messenger.

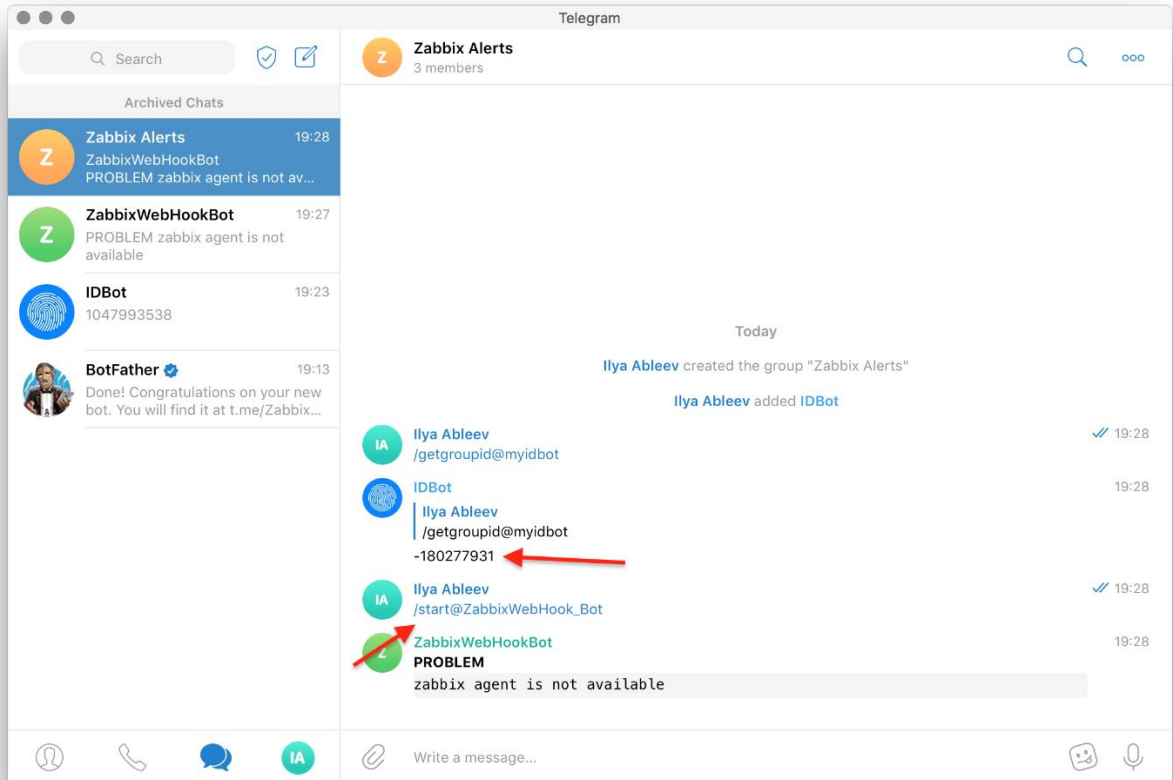


Ask the user to send "/start" to the bot, created in step 1. If you skip this step, Telegram bot won't be able to send messages to the user.



3.If you want to send group notifications, you need to obtain group ID of the group the bot should send messages to. To do so:

Add "@myidbot" and "@your\_bot\_name\_here" to your group. Send "/getgroupid@myidbot" message in the group. In the group chat send "/start@your\_bot\_name\_here". If you skip this step, Telegram bot won't be able to send messages to the group.



## Zabbix setup

1. In the "Administration > Media types" section, import the media\_telegram.xml. 2. Configure the added media type: Copy and paste your Telegram bot token into the "telegramToken" field.

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### Media types

Media type Options

\* Name: Telegram Webhook

Type: Webhook

Parameters	Name	Value	Action
	To	{ALERT.TO}	Remove
	Subject	{ALERT.SUBJECT}	Remove
	Message	{ALERT.MESSAGE}	Remove
	telegramToken	1114339397:AAG6PvyXWnbmMJI	Remove
	telegramParseMode	Markdown	Remove

Add

\* Script: `var Telegram = {`

Timeout: 10s

Process tags:

Include event menu entry:

\* Menu entry name:

\* Menu entry URL:

Description:
 

1. Register bot: send "newbot" to @BotFather
2. Copy and paste obtained token in the "telegram\_token" field above
3. If you want to send personal notifications, you need to get chat id of the user you want to send messages to:
  - 3.1. Send "getid" to "@myidbot" in Telegram messenger
  - 3.2. Copy returned chat id and save it in the "Telegram Webhook" media for the user

Enabled:

Update Clone Delete Cancel

In the `ParseMode` parameter set required option according to the Telegram's documentation. Read the Telegram Bot API documentation to learn how to format action notification messages: [Markdown](#) / [HTML](#) / [MarkdownV2](#). Note: in this case, your Telegram-related actions should be separated from other notification actions (for example, SMS), otherwise you may get plain text alert with raw Markdown/HTML tags.

Test the media type using chat ID or group ID you've got.

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### Media types

Create media type Import

Filter

Name  Status Any Enabled Disabled

Apply Reset

Name	Type	Status	Used in actions	Details	Action
<input type="checkbox"/> Email	Email				Test
<input type="checkbox"/> SMS	SMS				Test
<input type="checkbox"/> Telegram Webhook	Webhook				Test

0 selected Enable Disable Export

**Test media type**

Media type test successful.

To:

Subject:

Message:

telegramToken:

telegramParseMode:

Test Cancel

Telegram

Search

Archived Chats

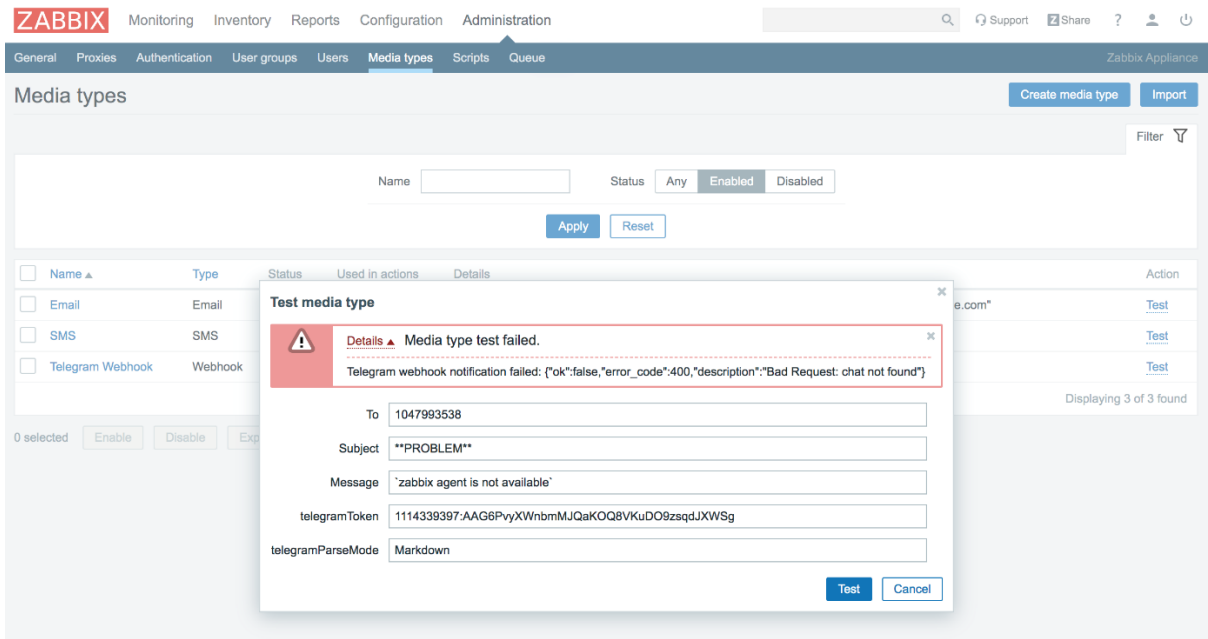
- ZabbixWebHookBot 19:26  
PROBLEM zabbix agent is not available
- IDBot 19:23  
1047993538
- BotFather 19:13  
Done! Congratulations on your new bot. You will find it at t.me/Zabbix...

Today

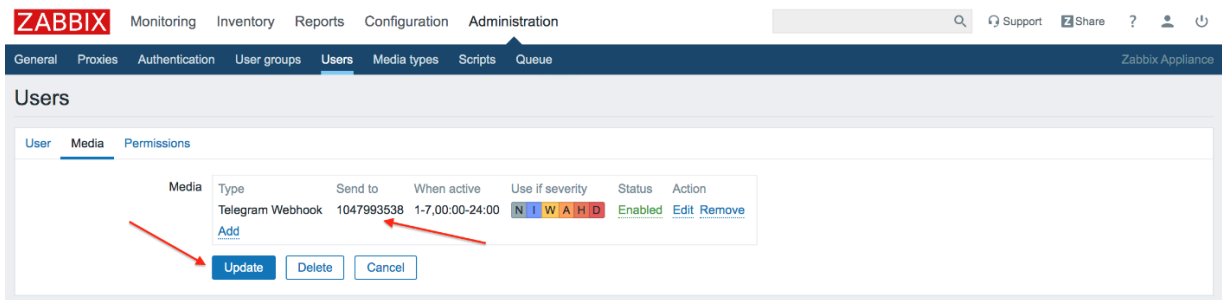
- Ilya Ableev 19:26  
/start
- ZabbixWebHookBot 19:26  
PROBLEM zabbix agent is not available

Write a message...

If you have forgotten to send '/start' to the bot from Telegram, you will get the following error:



3.To receive notifications in Telegram, you need to create a Zabbix user and add Media with the Telegram type. In the "Send to" field enter Telegram user chat ID or group ID obtained during Telegram setup.



Make sure the user has access to all hosts for which you would like to receive Telegram notifications.

Great, you can now start receiving Zabbix notifications in Telegram!