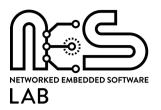
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Node-RED Lab 2/2

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(version 0.1)

Building Bots (1/4)

- The exercises coming next use the nodered-contrib-chatbot extension, which provides a rich set of nodes to build bots for Telegram, Facebook Messenger, ...
- We use Telegram
 - For configuration, you need to ask t.me/BotFather
 to create an API key for your new bot
 - You use the username and API key to configure the nodes

Building Bots (2/4)



Luca Mottola /start



BotFather

I can help you create and manage Telegram bots. If you're new to the Bot API, please see the manual.

You can control me by sending these commands:

/newbot - create a new bot
/mybots - edit your bots [beta]

Edit Bots

/setname - change a bot's name /setdescription - change bot description /setabouttext - change bot about info /setuserpic - change bot profile photo /setcommands - change the list of commands /deletebot - delete a bot

Bot Settings

/token - generate authorization token /revoke - revoke bot access token /setinline - toggle inline mode /setinlinegeo - toggle inline location requests /setinlinefeedback - change inline feedback settings /setjoingroups - can your bot be added to groups? /setprivacy - toggle privacy mode in groups

Games

/mygames - edit your games [beta] /newgame - create a new game /listgames - get a list of your games /editgame - edit a game /deletegame - delete an existing game

Building Bots (3/4)



Luca Mottola /newbot



BotFather

Alright, a new bot. How are we going to call it? Please choose a name for your bot.



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BotFather

Good. Now let's choose a username for your bot. It must end in `bot`. Like this, for example: TetrisBot or tetris_bot.



Luca Mottola nodered_lab_bot



BotFather

Done! Congratulations on your new bot. You will find it at t.me/nodered_lab_bot. You can now add a description, about section and profile picture for your bot, see /help for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.

Use this token to access the HTTP API:

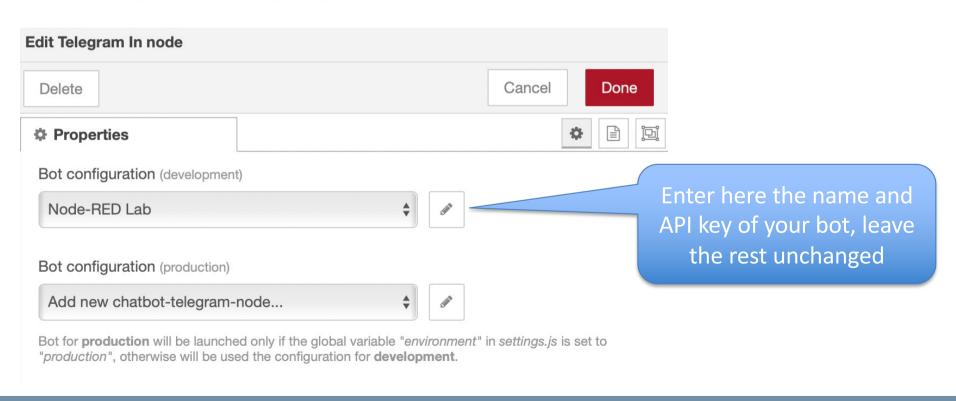
5686644067:AAHgqS-PiJY-0t0bhAaNwuqPv-8c-jOpiiQ

Keep your token **secure** and **store it safely**, it can be used by anyone to control your bot.

For a description of the Bot API, see this page: https://core.telegram.org/bots/api

Building Bots (4/4)

- Dowload the example at bit.ly/3ViBg6p
- Check the configuration of the Telegram Receiver node



Exercise 8-1

- Modify the example bot with two more commands that people can use to ask what is the current temperature in Milan or Rome
- Example:
 - User: "What is the temperature in Milan?"
 - Bot: "The current temperature in Milan is 7C"
- Hint: check the documentation of the Text node in the extension



Exercise 8-2

- Now extend the previous solution to
 - Add the ability for the bot to greet back the user
 - Keep a persistent log of all the usernames seen so far
- Example:
 - User: "My name is Luca!"
 - Bot: "Hello Luca!"
 - (while "Luca" is made persistent)

