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FaceX Telegram Bot

Versión 1.0.1
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Content

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Introduction

FaceX Telegram Bot module works with a public Telegram Bot previously created to perform facial recognition through Telegram app, with FaceX SecurOS API using a photo file.

Installation

Pre requisites

This module requires:
SecurOS REST API

- SecurOS FaceX REST API
- SecurOS Node.js
- Telegram Bot TOKEN (follow this official reference)

Steps

To setup, follow the instructions:

1. Install following npm dependencies:
   - axios
   - form-data
   - telegraf@4.11.2
   - express
   - cors
2. Copy the file `telegram-facex-bot.js` content to a new SecurOS Node.js Script.
3. Configure the script variables with the appropriate info:
   - **BOT_TOKEN**: Telegram Bot Token
   - **REST_API_URL_BASE**: Rest API URL
   - **URL_BASE**: FaceX Rest API URL
   - **PORT**: Web Interface Server Port
4. Paste `main.html` file to `C:\Program Files (x86)\ISS\SecurOS\node.js\public` folder (*if public folder doesn't exist create it*).
5. Create a `HTML5 FrontEnd` SecurOS Object with URL set to `http://SERVER_IP:PORT/main.html` (**OPTIONAL**)

Security

Once the module is installed, it has a security layer based on SecurOS Users, in order to be able to use the bot it's required to create a SecurOS user based on the end users' Telegram account.

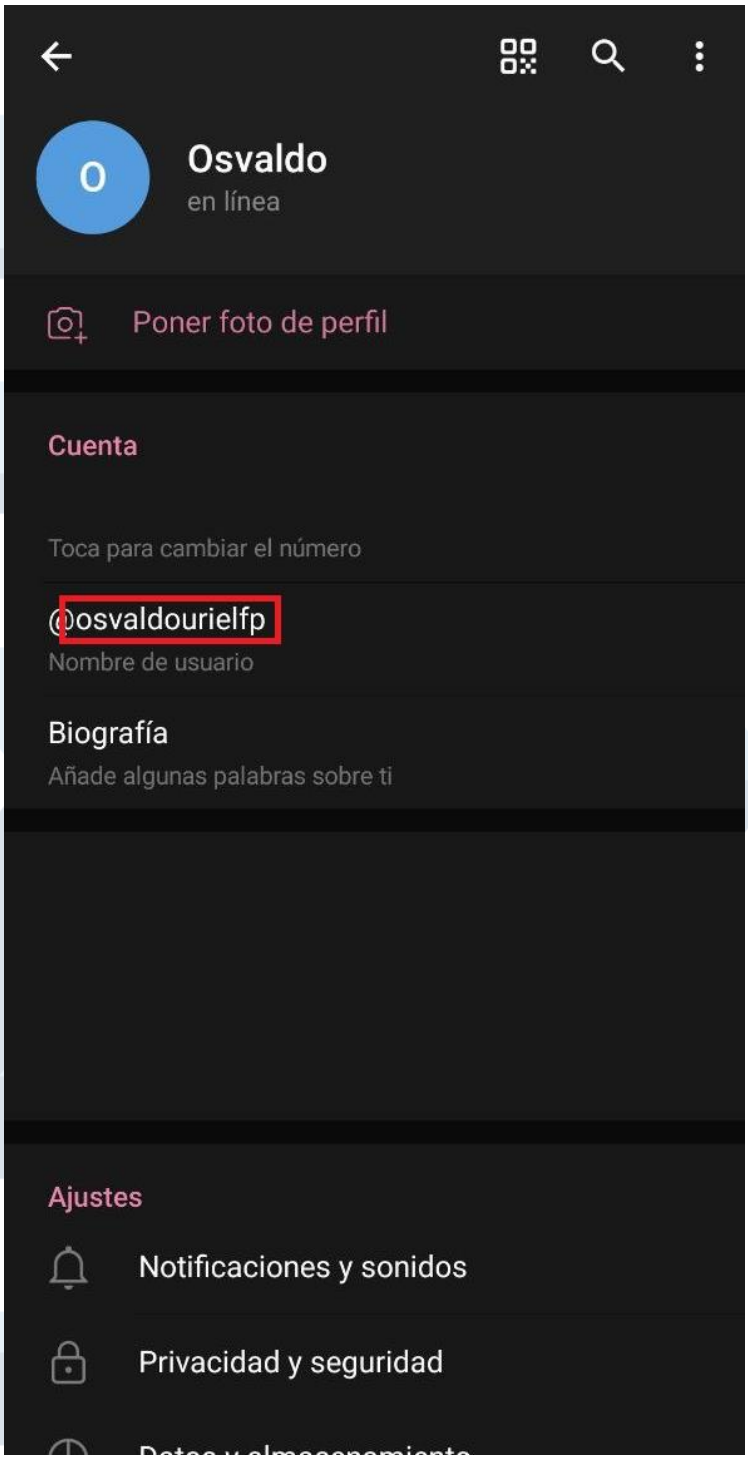

Figure 1. Telegram username on Telegram's profile info section

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In SecurOS the created user has to be assigned on Additional Info the value `TELEGRAM_BOT_MESSAGES=true` to allow this user to have access to the bot face recognition functionality.

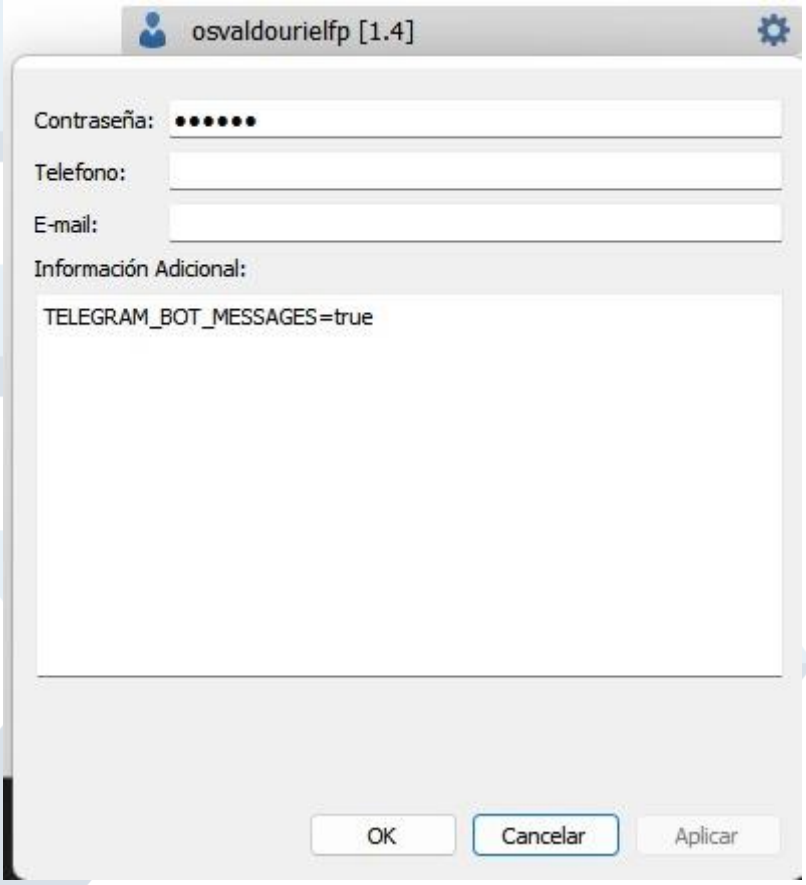

Figure 2. SecurOS user with needed configuration.

It's also possible to explicitly deny a user to have access to the bot by specifying in user Additional Info the value `TELEGRAM_BOT_MESSAGES=false`.

Usage

If the module is fully configured, the bot will be prepared for receiving face photos and retrieve the FaceX REST API results in a human readable way.

The web interface will display the results as an ordered list.