**FaceX Telegram Bot**

**Versión 1.0.1**

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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](https://core.telegram.org/bots#6-botfather))

## Steps

To setup, follow the instructions:

1. Install following npm dependencies:

* axios
* form-data
* telegraf@4.11.2
* express
* cors

1. Copy the file telegram-facex-bot.js content to a new SecurOS Node.js Script.
2. 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

1. Paste main.html file to C:\Program Files (x86)\ISS\SecurOS\node.js\public folder (*if public folder doesn't exist create it*).
2. 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.

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

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

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.

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

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.