

Crime-Watch-America

Installation & Configuration Guide

Authors

Kim Hall – Solution Architect

Tim Hall – Solution Architect

Crime-Watch-America Overview

Table of Contents

1.	Introduction	3
2.	Requirements.....	3
2.1	Hardware	3
2.2	Software	3
3.	Installation	4
4.	Configuration	4
4.1	Facebook.....	4
4.1.1	Create Unique Cross Platform User Account(s)	4
4.1.1	Create Facebook Account	4
4.1.2	Create Facebook Page.....	5
4.1.3	Configure Page Access	6
4.1.4	Configure Business Integrations	6
4.2	IFTTT	8
4.3	Twitter.....	8
4.4	Instagram	8
5.	Use Case(s)	8
5.1	xxxx.....	8
6.	Summary	8
6.1	yyyy	9

1. Introduction

This document outlines the process and procedure for creating scripts to report about crime occurring in a specific city within the United States of America. The ultimate goal of the script is to provide awareness to the local community about crime, unsolved homicides and missing persons and pets. The information is disseminated to the local community via social media platforms such as Facebook, Twitter and Instagram.

2. Requirements

The following outlines the process to be followed to setup and install the environment for posting information to the community. The Crime-Watch-America application is supported on the Windows platform.

2.1 Hardware

- Dell Desktop computer
- Memory - 16 Gb (min)
- Disk Storage - 500 Gb (min)
- CPU -
- Windows 10+ Operating System
- Monitor Display(s) – Dual (2)

2.2 Software

- Windows 10+ O/S
- Python v3.10.8
 - Newspaper v3K
 - YT-DLP v 2022.10.04
- ImageMagick v7
- Unix\bin for Windows
- Unix \wbin for Windows
- YT-DLP v 2022.10.04
- Notepad ++
- Wget
- Curl

3. Installation

- Python v3 – download and install version 3.10.8 for Windows 10
-
- newspaper 3k – install using command “*pip install newspaper3K*”
-
- yt-dlp - install using command “*python -m pip install -U yt-dlp*”
-
- imagemagick v7 – download and install version 7 for Windows 10
-
- notepad ++ - download and install latest version & configure the compare plugin
-
- wget – if not already installed by default on the Windows O/S platform ... download and install it
-
- curl – if not already installed by default on the Windows O/S platform ... download and install it
-
- unix\bin – download and install the open source version of the Windows 10 version of these binaries ... modify system PATH variable to point to the location of these binaries

4. Configuration

4.1 Facebook

4.1.1 Create Unique Cross Platform User Account(s)

Create a user account that will be used to support a particular US city such as St Louis

e.g. username = **crimewatchstlouis** pw= xyz1

This username should be the same for all platforms that require a username in order to support a particular US city. For this example it is recommended that username **crimewatchstlouis** be used to create accounts for Facebook, IFTTT, Twitter and Instagram

4.1.1 Create Facebook Account

Create a Facebook account using username **crimewatchstlouis@metrocrimedaily.com**

Crime-Watch-America Overview

4.1.2 Create Facebook Page

Create a Facebook page to associate with the US City such as **Crime-Watch-StLouis**

The screenshot shows the Facebook interface for a newly created page named 'Crime-Watch-StLouis'. The URL in the address bar is <https://www.facebook.com/profile.php?id=100087465144713>. The left sidebar contains the 'Manage Page' section with a 'Promote' button and a list of professional tools including 'Professional dashboard', 'Insights', 'Ad Center', 'Create ads', 'Create Automated Ads', 'Boost Post', 'Boost Instagram Post', 'Link WhatsApp', and 'Meta Business Suite'. At the bottom of the sidebar is a 'Switch' button to 'Switch into Crime-Watch-StLouis's Page to take more actions'. The main content area displays the page's cover photo, which features the text 'Crime Watch St Louis' and 'POLICE LINE DO NOT CROSS' over a background of police lights. The profile picture is a circular logo with 'St Louis' and 'CRIME SCENE' text. Below the profile picture, the page name 'Crime-Watch-StLouis' is shown with '0 likes • 0 followers'. There are buttons for 'Message', 'Like', and 'Search'. A navigation bar includes links for 'Posts', 'About', 'Mentions', 'Reviews', 'Followers', 'Photos', and 'More'. A prompt at the bottom of the main area says 'Switch into Crime-Watch-StLouis's Page to start managing it.' with a 'Switch Now' button.

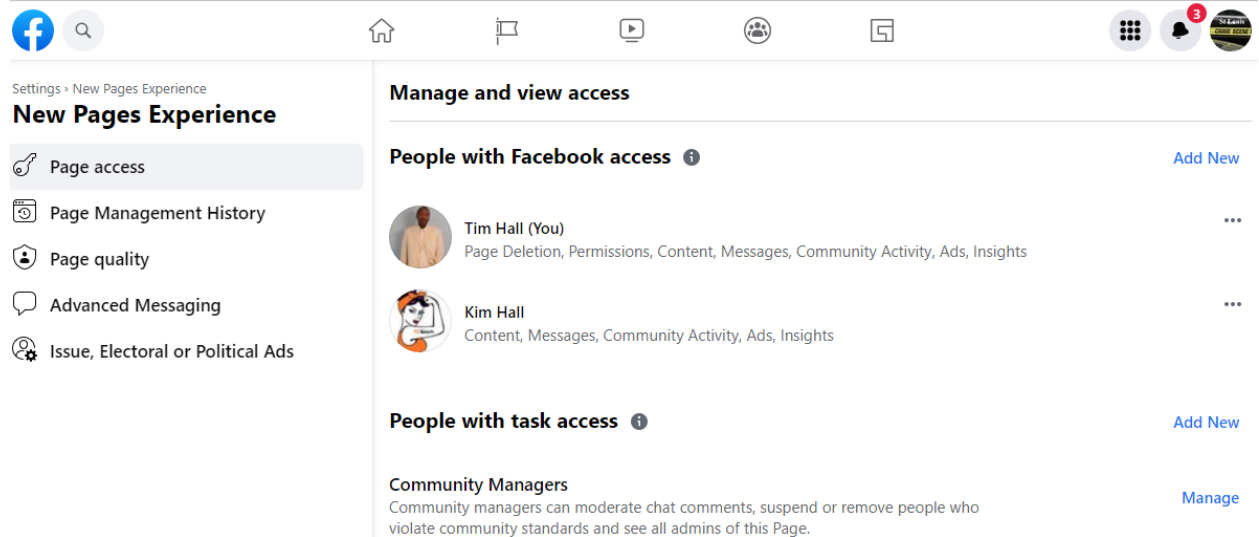
Edit the username and to match the username used to create the account.

The screenshot shows the 'Settings' page for the 'Crime-Watch-StLouis' page. The left sidebar lists settings categories: 'Crime-Watch-StLouis' (selected), 'Privacy', 'New Pages Experience', 'Notifications', 'Linked Accounts', 'Support Inbox', and 'Videos'. The main content area is titled 'General Page settings' and contains two fields: 'Name' with the value 'Crime-Watch-StLouis' and an 'Edit' link, and 'Username' with the value 'https://www.facebook.com/crimewatchstlouis' and an 'Edit' link.

Crime-Watch-America Overview

4.1.3 Configure Page Access

Modify page access to allow a trusted cohort to help manage the Facebook page.

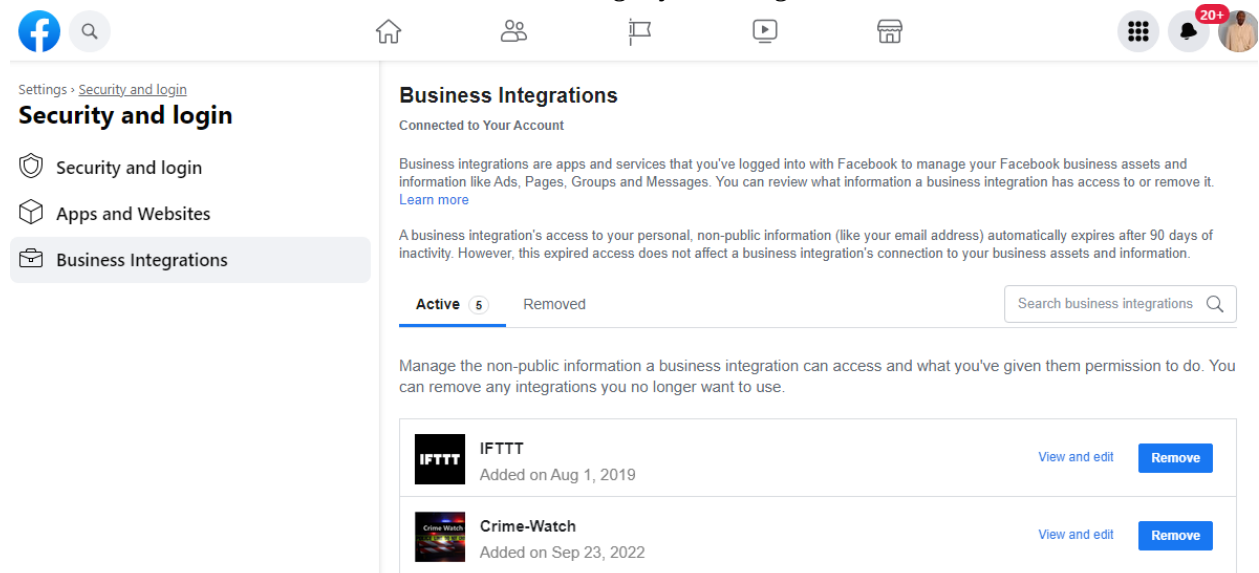


4.1.4 Configure Business Integrations

From the master user account profile go to Settings -> Security and login -> Business Integrations and select and then save the newly created page e.g. Crime-Watch-StLouis for the Crime-Watch integration and the IFTTT integration.

Crime-Watch & IFTTT

Create and manage content on your Page
Read content posted on the Page
Show a list of the Pages you manage



Crime-Watch-America Overview

Note: At some point in the process you will need to create a Facebook developer account to develop customizations required to support an integration with IFTTT and Instagram. You must submit a request and be approved to become a Facebook developer. As a result of becoming a Facebook developer you will be provided with an app secret key that will be used to further develop your customizations using the Facebook API's.

The following shows an example of what the developers page looks like once your request has been approved.

Application: **CrimeWatch** App ID: **477626176399600** App Secret: **xxxsecretxyzzzz**

The screenshot shows the Facebook Developers 'Basic' settings page for the 'Crime-Watch' app. The page is titled 'Meta for Developers' and includes a navigation bar with 'Docs', 'Tools', 'Support', and 'My Apps'. The app's name 'Crime-Watch' is displayed in the top left, along with the App ID '477626176399600' and the App Mode 'Development' (with a toggle for 'Live'). The main content area is divided into two columns. The left column contains a sidebar with navigation links: 'Dashboard', 'Settings' (selected), 'Basic' (selected), 'Advanced', 'App Roles', 'Alerts', 'App Review', 'Products', 'Facebook Login', 'Webhooks', 'App Events', and 'Instagram Graph API'. The right column contains the 'Basic' settings form, which includes fields for 'App ID' (477626176399600), 'App secret' (masked with dots and a 'Show' button), 'Display name' (Crime-Watch), 'Namespace', 'App domains', 'Contact email' (edgar_hall@yahoo.com), 'Privacy Policy URL' (http://metrocrimedaily.com/cw-privacy-p...), 'Terms of Service URL' (Terms of Service for Login dialog and App...), 'App icon (1024 x 1024)' (a 'Crime Watch' logo with 'POLICE LINE DO NOT CROSS' text), and 'Category' (News). At the bottom of the form are 'Discard' and 'Save changes' buttons. The URL in the address bar is 'https://developers.facebook.com/apps/477626176399600/settings/basic/'.

Field	Value
App ID	477626176399600
App secret	xxxsecretxyzzzz
Display name	Crime-Watch
Namespace	
App domains	
Contact email	edgar_hall@yahoo.com
Privacy Policy URL	http://metrocrimedaily.com/cw-privacy-p...
Terms of Service URL	Terms of Service for Login dialog and App...
App icon (1024 x 1024)	Crime Watch
Category	News

4.2 IFTTT

- User Accounts
- Create Applets – WebServices – trigger & action

4.3 Twitter

- User Accounts
- Twurl
 - twurl-to-twitter command
 - create secret key to link twitter account to twurl api

4.4 Instagram

- User Accounts
- Instagram-graph
 - media_publish
 - media_creation
 - quota-usage

Scripts & Utilities

- find-and-post-crimewatch-city-stories.bat
- find-quota-usage.bat
- sendmail.ps (powershell) send a text message

5. Use Case(s)

5.1 xxxx

6. Summary

Crime-Watch-America
Overview

6.1 yyy