# Sample:利用 Telegram Bot 在智慧型手機上作警報通知

# 一、建立 Telegram Bot

可參考 <u>https://core.telegram.org/bots#6-botfather</u>

- 1. 新增聯絡人 BotFather · <u>https://t.me/botfather</u>
- 2. 輸入/newbot
- 3. 輸入 Bot 名稱
- 4. 輸入 Bot 使用者名稱,必須為 bot 結尾
- 5. 成功建立後取得 Telegram API token

<b>BotFather</b> 機器人			Q		:
	2月13日	/newbot	下午(	02:50	11
Alright, a new bot. How are we g name for your bot.	oing to call it? Plea	ase choose 下午	a 02:50		
	IDEAS	chain_Bot	下午(	02:51	<i>41</i>
Good. Now let's choose a usern `bot`. Like this, for example: Tet	ame for your bot. trisBot or tetris_bo	lt must end ot. 下午	<b>in</b> 02:51		
	ideas	chain_bot	下午(	02:53	<i>41</i>
Done! Congratulations on your new bot. You will find it at t.me/ideaschain_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 HT Keep your token <b>secure</b> and <b>sto</b> anyone to control your bot.	TP API: Em re it safely, it can t	Sw4c be used by			~

6. 在聯絡人功能中輸入 Bot 使用者名稱



7. 新增 Bot 為聯絡人



### 1. 傳送訊息給 Bot

Option1. 私人訊息



Option 2. 群組訊息,請先將 Bot 加入群組

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IDEAS Chain dashboard Telegram 2 位成員	۹ 🖬 :	群組資訊	×
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	in filmforder Transf	<u> 2</u> 位成員	+2
	A MARKET I AN AREA	TC Tofu Chao 線上	*
	a Martanan Kanada	IDEAS Cha 可以存取訊	in Bot ★ 息
8月19日			
Hello g	group! 下午 09:12 ✔		
	7 ☺ \$		

2. 透過 https://api.telegram.org/bot"YOUR\_BOT\_TOKEN"/getUpdates 取得 Chat ID, 請將紅字部分替

#### 换成機器人的 token · ex:

https://api.telegram.org/bot110201543:AAHdqTcvCH1vGWJxfSeofSAs0K5PALDsaw/getUpdates

Option 1. 私人訊息(type=private), 取 id 值

"message":{"message\_id":16,"from":{"id":1018682139,"is\_bot":false."first\_name":"Tofu","last\_name":"Chao","language\_code":"zh-hant"),"chat": "id":10186821339 "first\_name":"Tofu","last\_name":"Chao" |"tyce":"private"],"date":1597842521,"text":"Hello"}},{"update\_id":136218128,

#### Option 2. 群組訊息(type=group), 取 id 值

"message":("message\_id":17,"from":("id":1018682139,"is\_bot":false,"first\_name":"Tofu","last\_name":"Chao","language\_code":"zh-hant"),"chat": ("id":-350177666]"title":"IDEAS Chain dashboard Telegram", "type":"group" "all\_memberg\_are\_administrators":true),"date":1597842760,"text":"Hello group!")])

# 三、設定 Rule chain



1. 新增 Transform Script node

將 chat id 置換為欲選擇的 chat id, 可將 text 置換為想收到的訊息

var newMsg ={}; newMsg.text = '"' + msg.name + '"' + " alarm was created for device: " + '"' + metadata.deviceName + '"'; newMsg.chat\_id = 337878729; //has to be replaced by the actual chat id return {msg: newMsg, metadata: metadata, msgType: msgType};

添加規則節點

~	r		
/	×.		
	~		

ction	Transform(msg, metadata, msgType) { 整家 []
1	<pre>var newMsg ={};</pre>
2	<pre>newMsg.text = ''' + msg.name + '"' + " alarm was created</pre>
_	for device: " + '" + metadata.deviceName + '";
3	<pre>newMsg.chat_1d = 33/8/8/29; //has to be replaced by the actual chat id</pre>
4	<pre>return {msg: newMsg, metadata: metadata, msgType: msgType};</pre>
EST	TRANSFORMER FUNCTION

取消



## 2. 新增 REST API Call node

Field	Input Data		
Name	REST API telegram Call		
URL	https://api.telegram.org/bot"	YOUR_BOT_TOKEN"	/sendMessage
Request method	POST		
Header	Content-Type		
Value	application/json		
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名稱* REST A Endpoint U https://s HTTP URL Request m POST	PI Telegram Call IRL pattem * api.telegram.org/bot address pattern, use & {metaKeyName} to a ethod	substitute variables from metadata	偵錯模式 Sa₩
□ Use Headers Use \$ {met Header Conter	simple client HTTP factory aKeyName} in header/value fields to substi Value nt-Type app	tute variables from metadata lication/json	×
		添加	取消

## 四、通知範例

Option 1. 私人訊息



## Option 2. 群組訊息

