**AutoRun 操作手冊**

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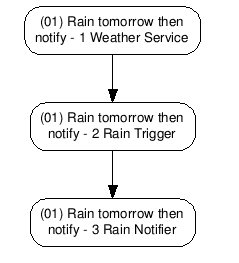
# USER MANUAL

**AutoRun操作人員依照以下步驟可完成AutoRun建置**

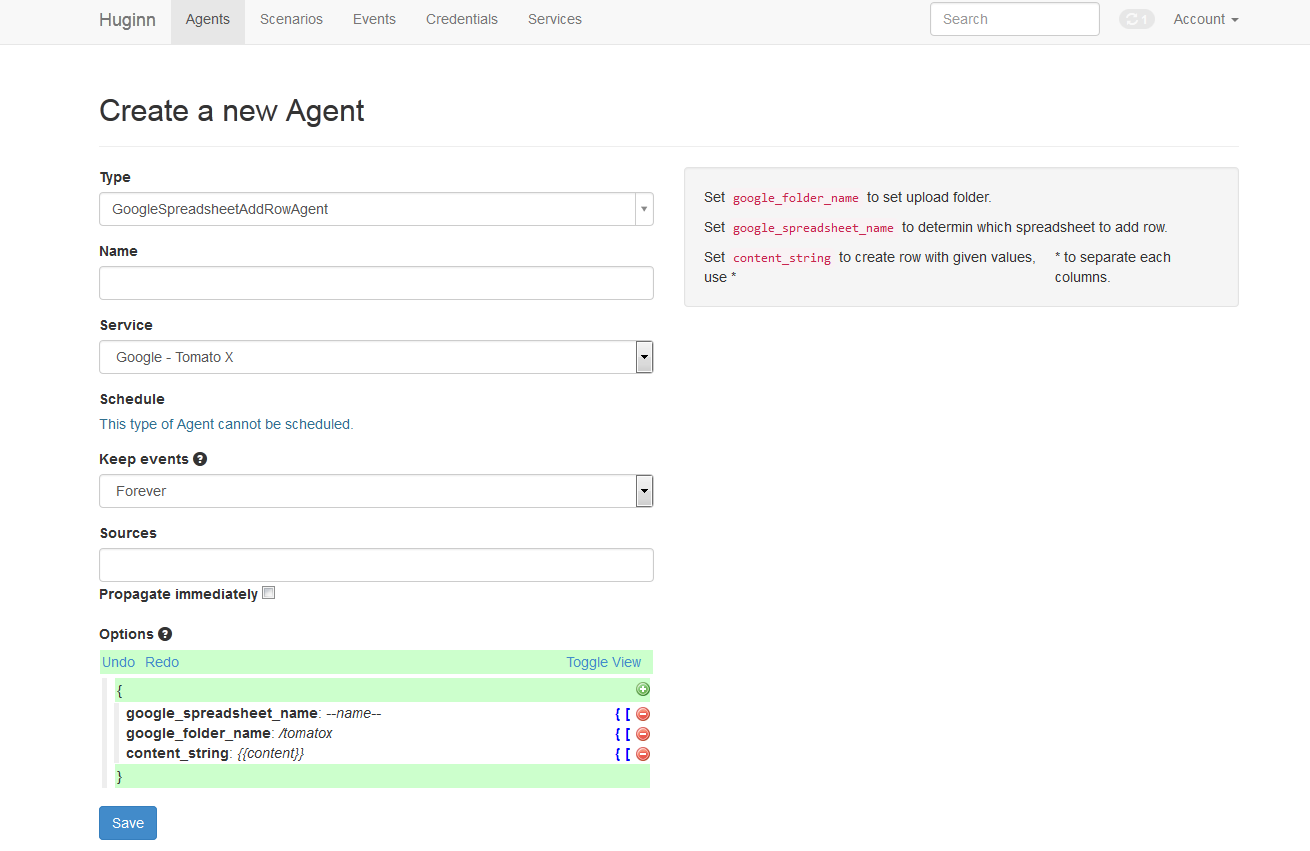
1. 第一步 : 根據I. BUILD AUTORUN/AGENTS SPEC章節的資訊畫出`AutoRun Diagram`，並進入Huginn母片將`AutoRun Diagram`實際拉成`AutoRun`。
2. 第二步 : 根據II. EDIT AUTORUN章節的指示編輯資料庫欄位
3. 第三步 : 根據III. COPY AUTORUN章節的指示複製母片AutoRun到手機板Huginn資料庫

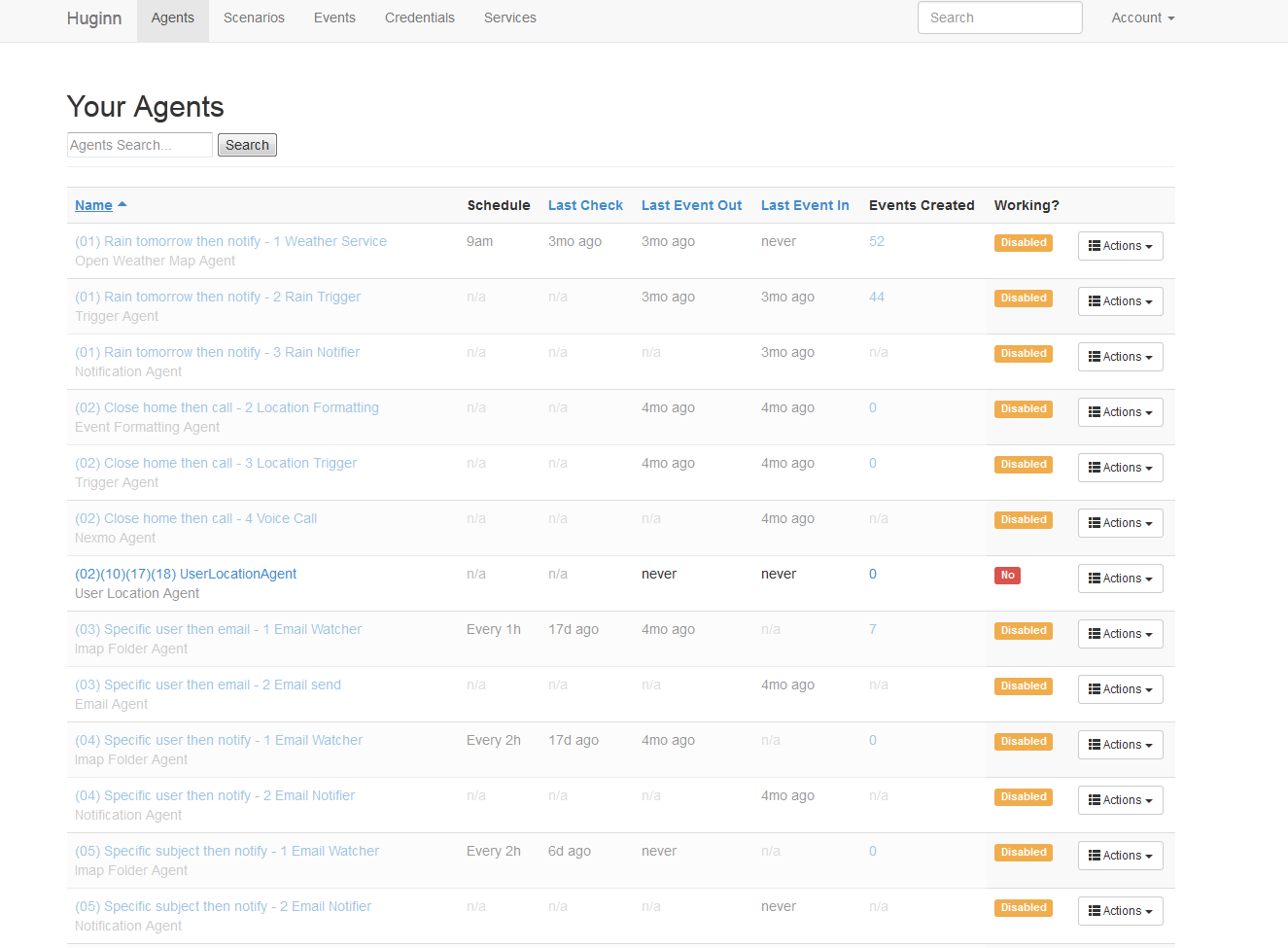
**按照以上步驟最後完成AutoRun建置**

# I. BUILD AUTORUN/AGENTS SPEC

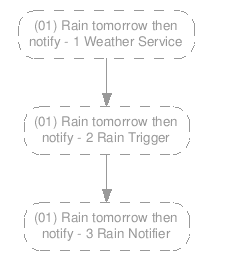


圖一、 首先藉由Agents Spec章節的資訊畫出`AutoRun Diagram`





圖二、 再實際拉成`AutoRun`



圖三、 最後比對`AutoRun Diagram`與之前規劃的是否一致

**完成第一步**

# TRIGGER AGENTS

Active Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| DropboxWatch | Trigger | 活動監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 當有新活動新增時 | |
| * **Agents Option** | |
| category : 音樂 | 監控的活動類型 |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Bus Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| DropboxWatch | Trigger | 公車監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 當有公車到站時間紀錄時 | |
| * **Agents Option** | |
| bus\_number : 310 | 公車號碼 |
| stop\_name : 貓纜指南宮站 | 站牌名稱 |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Dropbox Watch

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| DropboxWatch | Trigger | Dropbox資料夾監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 當監控的Dropbox資料夾有變動(新增、修改、移除)時 | |
| * **Agents Option** | |
| dir\_to\_watch : /photos | 監控的資料夾路徑 |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Evernote Watch Note

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EvernoteWatchNote | Trigger | 監控Evernote筆記狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Evernote有新筆記產生 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| watch\_value : first notebook | 監控的筆記名稱或tag名稱 |
| watch\_type : notebook或tag | 指定是監控筆記本或tag |
| * **Event Output** | |
|  | |

Evernote Watch Reminder

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EvernoteWatchReminder | Trigger | 監控Reminder狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Evernote新增Reminder | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Exchange Calendar Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| ExchangeCalendarCheckNew | Trigger |  |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
|  | |
| * **Agents Option** | |
|  |  |
| * **Event Output** | |
|  | |

Exchange Calendar Watch

Exchange Mail Check New

Facebook Photo Tag

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| FacebookPhotoTag | Trigger | 臉書Tag監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 臉書有Tag自己的照片產生 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

|  |
| --- |
| **備註** |
| 1. 定時偵測Facebook有沒有被tag的照片，當Facebook有被tag的照片時，將所有的照片url以array的形式送出Event |

Facebook User

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| FacebookUser | Trigger | 臉書個人資料監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 使用者大頭照改變 or 使用者居住地改變 or 使用者名稱改變 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

|  |
| --- |
| **備註** |
| 1. 不同Trigger狀況會送出不同的Event |

Facebook Watch Post

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| FacebookWatchPost | Trigger | 臉書動態貼文監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 臉書有新動態貼文(當選項with\_location : true時貼文必須標地點才會驅動) | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| mode : one或all | one或all 決定產生最新的events或全部events |
| hash : tag | 追蹤文章的tag |
| with\_location : true或false | 當設定為true時貼文必須標記地點才會驅動 |
| * **Event Output** | |
|  | |

Gmail Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GmailCheckNew | Trigger | 監控Gmail狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Gmail有新信件 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| check\_type : any或attachment或from或subject或label |  |
| check\_value | 當check\_type是from或subject或label時須設定 |
| query\_string |  |
| * **Event Output** | |
|  | |

Gmail Check Starred

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GmailCheckStarred | Trigger | 標記星號的郵件監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 一個月內新標記星號的郵件 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Google Calendar Check Current

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleCalendarCheckCurrent | Trigger | 監控是否正在會議中 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 正在google calendar會議中 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Google Calendar Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleCalendarCheckNew | Trigger | 監控是否有加新會議 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 有加新會議 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

|  |
| --- |
| **備註** |
| 1. 不能新增整天的會議來驅動，會出錯 |

Google Calendar Watch

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleCalendarWatch | Trigger | 監控幾分鐘後是否有會議 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 幾分鐘(依設定)後有會議進行 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| minutes : 15 | 監控幾分鐘後 |
| * **Event Output** | |
|  | |

Google Drive Watch

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleDriveWatch | Trigger | GoogleDrive監控 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| GoogleDrive資料夾有變動時 | |
| * **Agents Option** | |
| watch\_path : /test | 監控的資料夾路徑 |
| expected\_update\_period\_in\_days : 1 | 填1 |
| * **Event Output** | |
|  | |

Imap Folder

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| ImapFolder | Trigger | 特定信箱的狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 監控的信箱更新 | |
| * **Agents Option** | |
| username：[tomatoxlink@gmail.com](mailto:tomatoxlink@gmail.com) | 要監控的信箱email 必須為xxx@gmail.com格式 |
| password：12345 | 要監控的信箱密碼 |
| folder：INBOX | 監控的信箱資料夾 (這個我沒有改過) |
| conditions | 可以在這裡寫監控的條件，詳情請閱Agent旁的description |
| * **Event Output** | |
|  | |

Insnergy Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InsnergyCheckNew | Trigger | 監控Insnergy狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Insnergy API 回傳資料時 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| device\_id : RS06000D6F0003BBA08C |  |
| * **Event Output** | |
|  | |

Instagram Check Liked

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InstagramCheckLiked | Trigger | 監控Instagram按讚狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Instagram照片或影片有被按讚 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| media\_type : image/video |  |
| * **Event Output** | |
|  | |

Instagram Check Location

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InstagramCheckLocation | Trigger | 監控在標註地點附近的貼文 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Instagram有在符合選項地點範圍標註的新貼文 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| lat : 35 | 經度 |
| lng : 135 | 緯度 |
| distance : 1000 | 距離多少範圍內，最大5000 |
| anyone : false | 填使用者id或是填false代表自己 |
| * **Event Output** | |
|  | |

Instagram Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InstagramCheckNew | Trigger | 監控Instagram狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 當Instagram新增照片或影片 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| media\_type : image/video | 監控照片或影片 |
| username: self | 填id，當是自己帳號時填self |
| * **Event Output** | |
|  | |

Instagram Check Tag

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InstagramCheckTag | Trigger | 監控Instagram指定tag的照片 |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 有被tag的照片出現 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days: 1 |  |
| media\_type: image |  |
| tag\_name: xx |  |
| anyone: false |  |
| * **Event Output** | |
|  | |

Itri Exchange Calendar Check New

Itri Exchange Calendar Watch

Itri Exchange Mail Check New

Oil Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| OilCheckNew | Trigger | 今日的天氣狀態 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
|  | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days: 1 | 填1 |
| oil\_type | 92無鉛汽油、98無鉛汽油、98無鉛汽油、超級柴油 |
| * **Event Output** | |
|  | |

Open Weather Map

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| OpenWeatherMap | Trigger | 今日的天氣狀態 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| event trigger #當上個source送來的events裡有經緯度欄位資料時則驅動  schedule trigger #定時驅動 | |
| * **Agents Option** | |
| mode : schedule或event | 填schedule或event |
| latitude : 135 | 取得天氣的經度，當模式為schedule時須填 |
| longitude : 29 | 取得天氣的緯度，當模式為schedule時須填 |
| * **Event Output** | |
|  | |
| 00 | 明日00點的天氣狀況 |
| all | 本日所有時刻天氣串在一起的字串 |

|  |
| --- |
| **備註** |
| 1. 當 mode為event時上個source agent需送經緯度資料，模式為schedule時需填經緯度資料 |

Open Weather Map Current

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| OpenWeatherMapCurrent | Trigger | 今日的天氣狀態 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| event trigger : 當events裡有經緯度欄位資料時  scheduling : 定時驅動 | |
| * **Agents Option** | |
| mode : schedule 或 event |  |
| latitude : 35 | 取得天氣的經度 |
| longitude : 139 | 取得天氣的緯度 |
| * **Event Output** | |
|  | |

|  |
| --- |
| 備註 |
| 1. event payload分三個group，分別為current, previous, difference。每一組裡有weather, temp, pm2\_5, pm2\_5\_level, uvi, uvi\_level。pm2\_5及uvi為實際偵測數值，pm2\_5\_level及uvi\_level為將偵測數值轉為分類等級0~3及0~4。 0:low, 1:medium, 2:high, 3:very high, 4:ganger 2. 當 mode為event時需送經緯度資料，模式為schedule時需填經緯度資料 |

Pocket Retrieve

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| PocketRetrieve | Trigger | 監控Pocket狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Pocket在監控項目內有新增網頁 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| retrieve\_type : new或favorite或archive或tag |  |
| * **Event Output** | |
|  | |

Rss

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Rss | Trigger | 接收Rss |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| Rss有新的訊息 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| clean : false |  |
| url: <https://github.com/cantino/hug>... | 接收RSS的URL |
| headers : ?? |  |
| basic\_auth : ?? |  |
| disable\_ssl\_verification : ?? |  |
| user\_agent : ?? |  |
| max\_events\_per\_run : ?? |  |
| * **Event Output** | |
|  | |

Scheduler

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Scheduler | Trigger | 定時驅動下個Agent |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 依據schedule定時trigger | |
| * **Agents Option** | |
| action: run或disable或enable | 定時驅動下個agent的行為 |
| schedule: 37-40 9 \* \* \* | 37-40分 9點 每天 |
| * **Event Output** | |
| 驅動下個Agent | |

Trello Check Assigned

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| TrelloCheckAssigned | Trigger | 監控Trello狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 有被指定給自己的新卡片時 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| board\_name : test... | 監控的board名稱 |
| * **Event Output** | |
|  | |

|  |
| --- |
| 備註 |
| 1. 自己指定給自己不行，要別人指定給自己 |

Trello Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| TrelloCheckNew | Trigger | 監控Trello狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 有新卡片時 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days: 1 |  |
| check\_type : board/list | 選擇監控board或list |
| board\_name : Test | 如果監控board則監控哪個board |
| list\_name : Test | 如果監控list則監控哪個list |
| * **Event Output** | |
|  | |

|  |
| --- |
| 備註 |
| 1. 當check\_type設為list時才須list\_name欄位 2. 如果多個觸發則以多個events形式發出 |

Webhook

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Webhook | Trigger | 取得POST資訊 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 發送POST | |
| * **Agents Option** | |
| secret : teco | 隨意填 |
| expected\_receive\_period\_in\_day : 1 |  |
| payload\_path : $ | 可根據POST來的資料填寫key,$為全部接收的意思 |
| * **Event Output** | |
| 視接到的POST資料 | |

|  |
| --- |
| **備註** |
| 1. 設定好Webhook後會得到POST網址，當對此網址發送POST資料時，Webhook會產生event 2. 有Webhook的AutoRun一定要在 agent\_editable\_parameters 表格開放secret選填欄位 |

Youtube Check New

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| YoutubeCheckNew | Trigger | 監控Youtube播放清單 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 監控的播放清單有新影片 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| type : uploads或likes或watch\_later或uploads | 清單選項包括likes, watch\_later, uploads |
| * **Event Output** | |
|  | |

Youtube Watch Channel

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| YoutubeWatchChannel | Trigger | 取得Youtube頻道更新狀況 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 當Youtube頻道有新影片時 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| channel\_id : UC6tFD4uxajqHoYkXLazB2Cw | 頻道ID |
| * **Event Output** | |
|  | |

# SYSTEM AGENTS

Collect Event Count

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| CollectEventCount | System | 計算Events數量/累加由source來的特定變數 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Event In** | |
| Events In可為任何形式來驅動 |  |
| * **Agents Option** | |
| path：累加source特定變數的名稱 increment：每收到一個event要累加的數字 |  |
| * **Event Output** | |
|  | |

|  |
| --- |
| **備註** |
| 1. 此Agent有兩種發出event的方式，一種是收到event後會立刻發出event，另一種是定時Schedule的時候會發出event。當options為空的時候，採用increment=1的方式累加，path和increment同時設定時，採用path。累加數字會在定時發出的時候清空 2. path與increment皆非必填 |

Collect Event Simple

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| CollectEventSimple | System | 計算Events數量/累加由source來的特定變數 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 任何events |
| * **Agents Option** |
| path：message #累加source特定變數的名稱 increment：5 #每收到一個event要累加的數字 |
| * **Event Output** |
|  |

|  |
| --- |
| **備註** |
| 1. 此Agent只會在定時Schedule的時間上發出event並清空累加數字 2. path與increment皆非必填 |

Dropbox File Url

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| DropboxFileUrl | System | 將Dropbox的檔案路徑轉成url發送出去 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
|  |
| * **Agents Option** |
| 無 |
| * **Event Output** |
|  |

|  |
| --- |
| **備註** |
| 1. 此Agent會將path中多筆的路徑，自動拆成多筆event發出去 2. Event In通常從DropboxWatchAgent來的 3. Event In 一定要真的Dropbox裡有此檔案路徑的，否則會報錯 |

Event Formatting

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EventFormatting | System | 轉換Event格式 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 任何events |
| * **Agents Option** |
| Liquid語法(詢問小曹) |
| * **Event Output** |
| 任何events |

Google Drive File Url

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleDriveFileUrl | System | 將GoogleDrive的檔案路徑轉成url發送出去 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
|  |
| * **Agents Option** |
| 無 |
| * **Event Output** |
|  |

|  |
| --- |
| **備註** |
| 1. 此Agent與DropboxFileUrl類似 |

Trigger

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| TriggerAgent | System | 進行邏輯判斷 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 任何events |
| * **Agents Option** |
|  |
| * **Event Output** |
| 若邏輯判斷成立則輸出Message欄位 |

|  |
| --- |
| **備註** |
| 1. 邏輯判斷條件有AND與OR兩種模式(詳閱附件及詢問小曹) |

|  |  |
| --- | --- |
| "keep\_event": "false" | 只傳參數Ｍessage |
| "keep\_event": "Ｔrue” | 會傳整個 |

Value 要加{{}}

Path不能加{{}}

# ACTION AGENTS

Dropbox File Upload

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| DropboxFileUpload | Action | 檔案上傳 |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |  |
| --- | --- |
| * **Event In** | |
| "url": "some url" | |
| * **Agents Option** | |
| path : url |  |
| google\_folder\_name : /tomatox |  |
| * **Action** | |
| 檔案上傳 | |

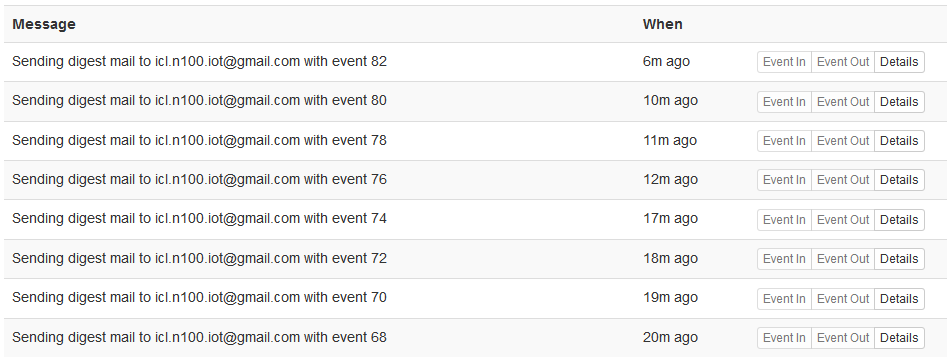
|  |
| --- |
| **備註** |
| 1. 現在還不能真正上傳檔案 |

Email

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Email | Action | 發送Email通知 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Event In** | |
| { "message": "Your message" } | |
| * **Agents Option** | |
| subject : You have a notification! |  |
| headline: Your notification |  |
| expected\_receive\_period\_in\_day... : 2 |  |
| body : 55555 |  |
| recipients : [  kaogaau@gmail.com  tomatoxlink@gmail.com] |  |
| * **Action** | |
| 發送Message欄位裡的訊息 | |

|  |
| --- |
| **備註** |
| 1. 將收到的event立刻以Email方式傳送出去 2. recipients：可多個收件者 (ex: recipients：[xxx@ooo.com, aaa.bbb.com] 3. 以上options都可以寫死或是用linquid語法動態產生，詳情可閱Agent旁的descriptions 4. 收到event馬上送 5. events模式 |



Email Digest

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EmailDigest | Action | 發送電子信件 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| { "message": "Your message" } |
| * **Agents Option** |
| subject: You have a notification!  headline: Your notification:  expected\_receive\_period\_in\_day...: 2  body: 55555  recipients:[  kaogaau@gmail.com  tomatoxlink@gmail.com] |
| * **Action** |
| 發送信件 |

|  |
| --- |
| **備註** |
| 1. 此Agent會將收到的event payload中，key為message的資料特別拿出來當作body內容寄出去。如果event payload中沒有key為message的資料，寄發的Email會將所有的資訊都寄發，包括寄件者收件者等等諸多資訊，通通塞在body中，看起來會很亂 2. 收到event先存在memory之後執行時送 3. Schedule模式 |

****

Evernote Append Note

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EvernoteAppendNote | Action | 附加內容 |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |  |
| --- | --- |
| * **Event In** | |
| 任何 | |
| * **Agents Option** | |
| type : normal |  |
| note\_title : test |  |
| note\_body : test |  |
| notebook : first notebook |  |
| tags : [test,test1] |  |
| * **Action** | |
| 附加新內容 | |

Evernote Create Note

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| EvernoteCreateNote | Action | 產生新筆記 |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |  |
| --- | --- |
| * **Event In** | |
| 任何 | |
| * **Agents Option** | |
| type : normal |  |
| note\_title : test |  |
| note\_body : test |  |
| notebook : first notebook |  |
| tags : [test,test1] |  |
| * **Action** | |
| 增加新筆記 | |

Exchange Calendar Create Event

Exchange Mail Send Message

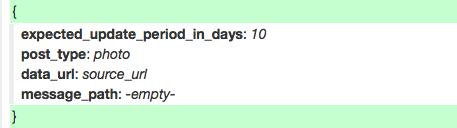
Facebook Publish

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| FacebookPublish | Action | 臉書Po文 |
| **本機測試** | 測試通過 | |
| **雲端測試** | 測試通過 | |

|  |  |
| --- | --- |
| * **Event In** | |
| text:{777 } #Po文內容 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 |  |
| message\_path : text |  |
| data\_url : $ | 可不加 |
| * **Action** | |
| 上傳臉書文章 | |

|  |
| --- |
| **備註** |
| 1. 不支援Liquid語法( 不能加{{}} ) 2. 目前只能上傳到動態牆 不能放到相簿裡   三 一定要有message\_path 欄位 |

Example



Gmail Send Message

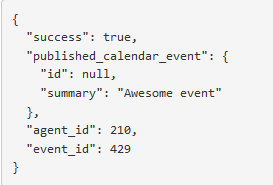
|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GmailSendMessage | Action | 送出信件 |
| **本機測試** | 測試通過 | |
| **雲端測試** | 測試通過 | |

|  |  |
| --- | --- |
| * **Event In** | |
| 任何 | |
| * **Agents Option** | |
| message\_to\_address : [kaogaau@gmail.com](mailto:kaogaau@gmail.com) |  |
| message\_subject : Hi |  |
| message\_body : play together |  |
| message\_attachment\_url : file url |  |
| * **Action** | |
| 送出Mail | |

Google Calendar Create Event

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleCalendarCreateEvent | Action | 寫入會議 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Event In** | |
|  | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| Path : message | Event In的path |
| * **Action** | |
| 寫入會議 | |



Google Drive Upload File

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleDriveUploadFile | Action | 上傳檔案 |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |
| --- |
| * **Event In** |
|  |
| * **Agents Option** |
|  |
| * **Action** |
|  |

|  |
| --- |
| **備註** |
| 1. 與DropboxFileUploadu一樣 |

Google Spreadsheet Add Row

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| GoogleSpreadsheetAddRow | Action | Spreadsheet增加新的Row Data |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |  |
| --- | --- |
| * **Event In** | |
| 任何 | |
| * **Agents Option** | |
| google\_spreadsheet\_name: --name-- |  |
| google\_folder\_name: /tomatox |  |
| content\_string: {{content}} |  |
| * **Action** | |
| 增加新的Row Data | |

備註：google\_spreadsheet\_name 檔名一定要先建好，才能存資料進去

Itri Exchange Calendar Create Event

Itri Exchange Mail Send Message

Insnergy Controller

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| InsnergyCheckNew | Action | 控制Insnergy開關 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |  |
| --- | --- |
| * **Trigger Condition** | |
| 上面有event送下來時 | |
| * **Agents Option** | |
| expected\_update\_period\_in\_days : 1 | 填1 |
| device\_id : RS06000D6F0003BBA08C |  |
| Status : on | 填 on 或 off |
| * **Action** | |
| 把開插座或關閉插座 | |

Lifx

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Lifx | Action |  |
| 本機測試 |  | |
| 雲端測試 |  | |

|  |
| --- |
| * **Trigger Condition** |
|  |
| * **Agents Option** |
| Mode : breath  Color : kelvin:2500~9000 //顏色值 |
| * **Action** |
|  |

|  |
| --- |
| **備註** |
| **Token :** c00f627c52a90794c48ce4523a9b6bbf1e4a3f516c6ffe00e3631992f247eb28   1. label選項一定要有 label: XXX的格式 |

Nexmo

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Nexmo | Action | 透過Nexmo發送訊息或打電話 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| { "message": "Your message" } |
| * **Agents Option** |
| mode: SMS  message: Hi, I'm tomato.  voice: female  callNumber: 886987654321 |
| * **Action** |
| 根據mode模式發送訊息或打電話 |

|  |
| --- |
| **備註** |
| 1. message可中文，callNumber只能有一組號碼 2. 需由PHP API呼叫service，URL設定於.env中NOTIFICATION\_SERVER |

Notification

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Notification | Action | 發送GCM通知 |
| **本機測試** | 🗸 | |
| **雲端測試** |  | |

|  |
| --- |
| * **Event In** |
| { "message": "Your message" } |
| * **Agents Option** |
| Message: {{message}} |
| * **Action** |
| 發送Message欄位裡的訊息 |

|  |
| --- |
| **備註** |
| 1. 跟User綁定的,User用哪支手機GCM就發到哪個手機 2. 要連上手機才能確定有無收到GCM huginn本身看不到(不會發event) |

CMD-NORMAL 鈴聲開啟

CMD-SILENT 鈴聲靜音

Pocket Add

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| PocketAdd | Action | 將網頁加入Pocket裡 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 任何 |
| * **Agents Option** |
| add\_url: http://goessner.net/articles/J... #要加入的網頁  tags: [test1,test2] #網頁tag |
| * **Action** |
| 將網頁加入Pocket裡 |

Trello Create Card

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| TrelloCreateCard | Action | 在Trello加入新東西 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 任何 |
| * **Agents Option** |
| board\_name: Test  list\_name: bbb  position: top  card\_title: play  card\_description: play..  card\_assigin\_members: -empty-  card\_apply\_labels: ??  card\_attachment\_url: ?? |
| * **Action** |
| Trello加入新東西 |

# OTHER AGENTS

Fetch Weather Data

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| FetchWeatherData | System | 定時抓紫外線與PM2.5資料 |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Event In** |
| 定時驅動 |
| * **Agents Option** |
| 無 |
| * **Event Output** |
| 將紫外線與PM2.5資料寫進資料庫 |

|  |
| --- |
| **備註** |
| 1. 此Agent是由於天氣裡的紫外線與PM2.5不常更動於是固定改起一個此Agents每天某個時間抓取資料存進資料庫 2. 存入weather\_observations資料表中 |

Manul event

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| ManulEvent | System | 發測試event |
| **本機測試** | 🗸 | |
| **雲端測試** | 🗸 | |

|  |
| --- |
| * **Trigger Condition** |
| 用show來trigger |
| * **Agents Option** |
| 無 |
| * **Event Output** |
| 看show怎麼填 |

|  |
| --- |
| **備註** |
| 1. 此agent是用來發測試用的events用 |

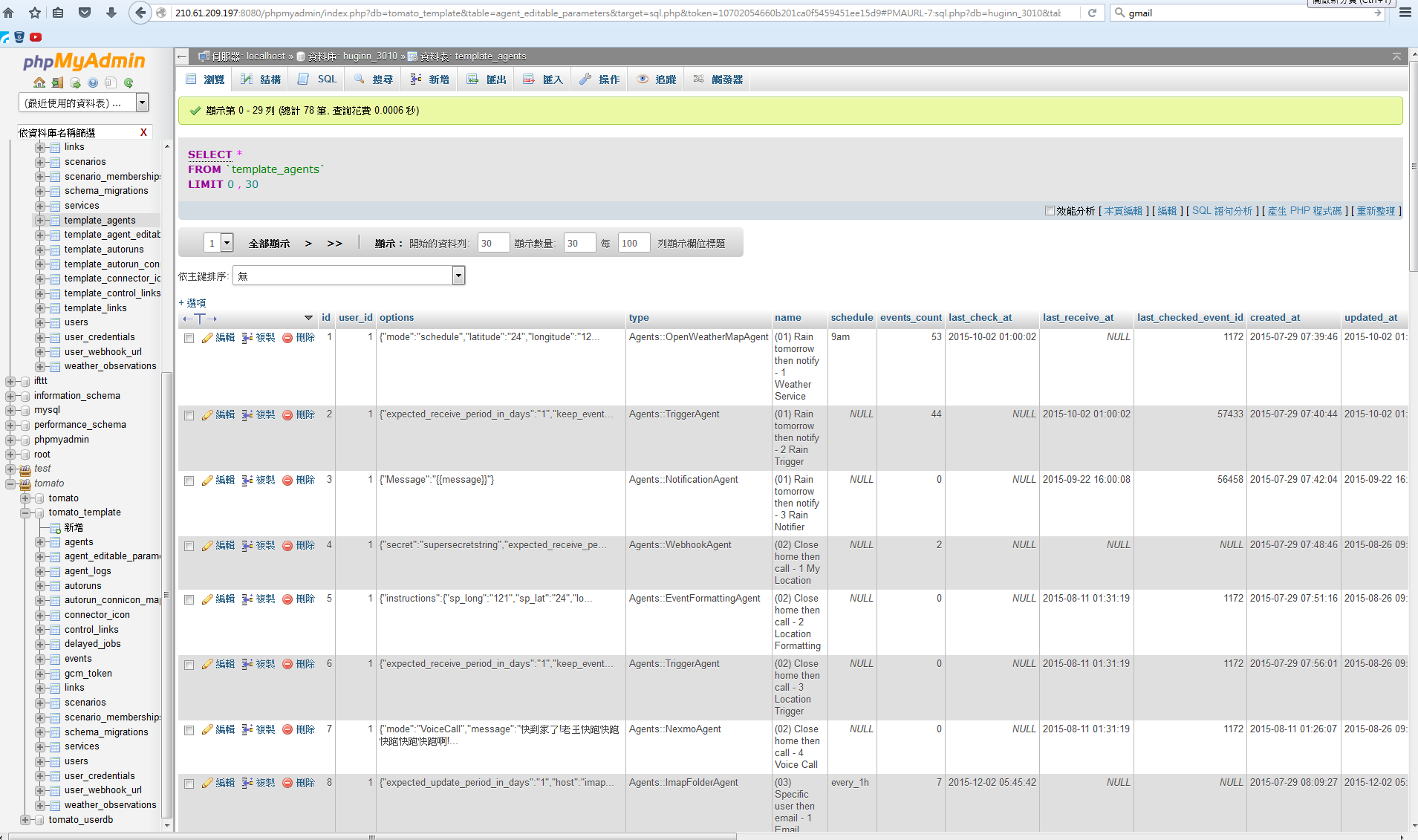
Post

|  |  |  |
| --- | --- | --- |
| **Agent Name** | **Agent Type** | **主要功能** |
| Post | System | 發送Post |
| **本機測試** |  | |
| **雲端測試** |  | |

|  |
| --- |
| * **Trigger Condition** |
| 任何events |
| * **Agents Option** |
| post\_url: http://www.example.com  expected\_receive\_period\_in\_day...: 1  content\_type: form  method: post  payload:{  key: value  something: the event contained}  headers:{} |
| * **Event Output** |
| 發送POST |

|  |
| --- |
| **備註** |
| 1. 此Agents用來發送POST測試 |

# II. EDIT AUTORUN



1. 進入<http://54.251.44.21/phpmyadmin> 裡
2. 找到huginn\_3008資料庫
3. 進入agents表格找到前一章建置AutoRun所使用的agents id
4. 進入autoruns表格將autorun資料建置起來，填寫資料如下

|  |  |
| --- | --- |
| **欄位** | **填寫項目** |
| start\_id | Autorun起始的第一個agent id |
| description | Autorun描述 |
| sequence | 去掉第一個agent，依序填入autorun的agent id ex: 47\_48\_49 |
| source\_id | 與start\_id一樣 |
| enable | 1 |

1. 找到agent\_editable\_parameters表格，對要開放給使用者的參數進行編輯
2. 進入autorun\_connicon\_map表格，進行APP圖案配置編輯，此部分要與APP負責人協調溝通

PS : 不能兩條AUTORUN尾巴接同一個AGENT

**手動更改資料庫以下三張表格**

1. 先更改autoruns

|  |  |
| --- | --- |
| 欄位 | 說明 |
| id | 依序填 |
| user\_id | 都填1 |
| start\_id | Autorun開始Agent的id |
| description | Autorun的描述 |
| sequence | Autorun從第二個Agent的id依序填到最後一個Agent的id |
| source\_start | Autorun開始Agent的id |
| end\_id | Autorun最後的Agent的id |
| enable | 填1（是否要在手機上顯示） |

1. 再更改agent\_editable\_parameters（想讓使用者設定的參數）

|  |  |
| --- | --- |
| 欄位 | 說明 |
| autoruns\_id | autoruns表的id |
| agent\_id | 要讓使用者自定選項Agent的id |
| display\_order | 依據你想顯示的畫面做排序編號 |
| editable\_column | 此欄位必須對應Agent的option key  ../../../../../../../Desktop/螢幕快照%202016-03-25%20 |
| display\_name | 手機端顯示title名稱 |
| conditions\_type | 選項形式 (參考備註) |
| conditions | 依據選項不同填入不同的參數(參考備註) |
| is\_system | 是否屬於系統參數（手機需要知道的值，但不能給使用者修改！！如（webhookAgent）conditions\_type ： key）  0:不是，使用者看得到1:是，使用者看不到 |
| connector\_type | 屬於When參數還是Do的參數  0:When 1:Do |
| agent\_parament | schedule:屬於時間頻率就填schedule  options:其他都是填options |
| default\_value | 是否有預設值0:沒有1:有 |
| provider\_id | 只要在conditions\_type為querymappingtext填寫相對應的provider\_id（看他是需要取的什麼哪個provider device list）備註3 |

備註1：

|  |  |
| --- | --- |
| conditions\_type | conditions |
| key(目前專屬webhook使用) | 請填”key“（is\_system必定唯”1“!!!） |
| map(地圖，給經緯度，但一次只能給一個數值，所以要一次要用兩個喲！！「一個經度，一個緯度」) | 121,24(填經緯度數值，請讓他們固定他們顯示的順序「display\_order」1:經度 2:緯度 感恩！！) |
| radio單一選單 | 以”｜“為區隔  (Ex：Clear｜Clouds｜Drizzle｜Rain｜Thunderstorm｜Snow) 備註2 參數內容：必須符合agent可用參數！！ |
| richcheckbox 多選（目前for 天氣使用 有圖片＋文字） | 以”｜“為區隔  (Ex：Clear｜Clouds｜Drizzle｜Rain｜Thunderstorm｜Snow) 備註2 參數內容：必須符合agent可用參數！！ |
| checkbox多選（純文字顯示） | 以”｜“為區隔  (Ex：Clear｜Clouds｜Drizzle｜Rain｜Thunderstorm｜Snow) 備註2 參數內容：必須符合agent可用參數！！ |
| text 文字填寫 | 輸入要顯示文字內容即可！！！！  Note:  當default\_value=0,所輸入文字會以hint方式顯示（灰色字體）  當default\_value=1,所輸入文字會以一般方式顯示（黑色字體） |
| arraytext文字填寫（可輸入多筆資料） | 輸入樣式與規範與text相同  其中多了以”，“區格  (Ex：xxx@ooo.com,aaa@bbb.com) |
| richtext文字填寫 需要跟使用者另外說明或是提醒(為了美觀 考慮以html方式顯示) | 輸入的文字內容是為了提醒使用者此欄位應該輸入怎樣的形式資料  (Ex：1.完全符合標題 =>直接輸入Title 2.部分符合標題 =>(?i)Title (ex: (?i)test =>則test,Test,TEST...皆屬於符合)) |
| mappingtext單一選單 | 以”｜“為區隔 以”：“分別key value  (Ex：imap.gmail.com:gmail |  imap-mail.outlook.com:hotmail)  使用者只為看到value的值 ，但server只認得key 參數內容：必須符合agent可用參數！！ |
| email文字填寫 | 輸入樣式與規範與text相同  只輸入email格式 （手機端要檢驗格式） |
| password文字填寫 | 輸入樣式與規範與text相同  (手機端要以＊＊＊顯示) |
| phone文字填寫 | 輸入樣式與規範與text相同  （手機端要去檢查是否為國碼886） |
| querymappingtext單一選單 | 只要輸入”裝置列表“就好  （手機端遇到此類別 需要呼叫GetDeviceList API 是取得列表 以單選的方式顯示！！！！！！） |

備註2：

天氣(Clear｜Clouds｜Drizzle｜Rain｜Thunderstorm｜Snow)

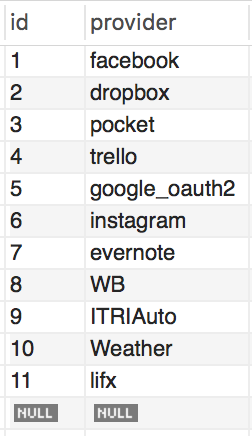
時間頻率（every\_1m｜every\_2m｜every\_5m｜every\_10m｜every\_30m｜every\_1h｜every\_2h｜every\_5h｜every\_12h｜every\_1d｜every\_2d｜every\_7d｜midnight｜1am｜2am｜3am｜4am｜5am｜6am｜7am｜8am｜9am｜10am｜11am｜noon｜1pm｜2pm｜3pm｜4pm｜5pm｜6pm｜7pm｜8pm｜9pm｜10pm｜11pm｜never）

UVI指數（0:low|1:medium|2:high|3:very high|4:danger）

之後會有還有許多參數加入（依據agent的新增開發），所以有需要的話問agnet的開發者！！！

備註3:

proider\_id請參考service\_list的id(之後會一直持續更新這張table 所以近ＤＢ看吧！！)



1. 再更改autorun\_connicon\_map

|  |  |
| --- | --- |
| 欄位 | 說明 |
| autoruns\_id | autoruns表的id |
| connector\_icon\_id | 要顯示的圖示！！！！ |
| connector\_type | 屬於When圖示還是Do的圖示  0:When圖示 1:Do圖示 |

# III. COPY AUTORUN

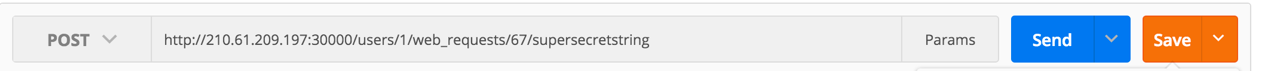
找小曹拿script

# IV. Appendix

PostMan使用:



輸入webhook的網址



選擇“Body” 在選 “raw” 格式要改成“JSON(application/json)”

填寫傳輸內容“{"location":{"longitude":121.0437915,"latitude":24.7773078}}“



{

"location":

{

"longitude": "121",

"latitude": "24"

}

}

{

"trigger\_device": "79-69-69-2D-30-31-0",

"trigger\_type": "1",

"trigger\_status": "1"

}