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| [公司名稱] |
| TBoxAPI說明 |
| [文件副標題] |

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| David Ho  2018/3/7 |

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| 編輯紀錄 | | | |
| 版本 | 編輯者 | 日期 | 說明 |
| 1.0 | DavidHo | 20180304 | 建立文件 |
| 1.0.1 | DavidHo | 20180305 | 調整啟動註冊說明 |
| 1.0.2 | DavidHo | 20180306 | 挑整首頁查詢API發送訊息回傳格式為多筆 |
| 1.0.3 | DavidHo | 20180307 | 1. 首頁查詢API，新增天氣預報，取消kv3 2. getApps新增pkgName欄位，新增左、右方廣告電文 3. 新增廣告以及app點擊次數附註說明 |
| 1.0.4 | DavidHo | 20180308 | 1. 首頁查詢API，apps的serialNo改為appId 2. 取得商城app資訊，apps的serialNo改為appId 3. app點擊次數，參數名稱由serialNo改為appId 4. 更新啟動註冊API附註說明 5. 新增取得最新版本os version API |

# API解讀方式

API request header

1.呼叫時一律傳送機器序號，網卡序號以及wifi網卡序號

2.action表示要呼叫的服務名稱

API request body

表示要傳送的參數

API response Header部分

"header": {

"code": "表示與server溝通成功與否，可用來判斷主機端API是否健康，當code = 00-000，表示執行正常，若否則是server端發生exception，可把msg直接顯示出來給前端看",

"msg": "執行訊息",

"ext": "額外訊息，作為延伸使用，目前無作用",

"remoteIP": "client呼叫時的IP",

"inTime": "主機收到request的時間",

"outTime": "主機處理完request的時間",

"exeTime": "共執行多少時間",

"sn": "xxx-xxx-xxx",

"mac": "1A-2V-3S-FV-AS-FX",

"wife\_mac": "xx-xx-xx-xx-xx-xx",

"authorizedEnd": "機上盒最後授權時間，long format",

"osVersion": "1"

}

# API說明

1. 啟動註冊

|  |  |
| --- | --- |
| API name | register |
| 說明 | 開通機上盒 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wifi\_mac": "xx-xx-xx-xx-xx-xx",  "action": "register"  },  "body": {  "area\_id": "123"  }  } |
| input 參數說明 | header.action 🡪 啟動機上盒 |
| output範例 | {  "header": {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732",  "osVersion": "1"  },  "body": {  "code": "1",  "msg": "啟動成功",  "lastLoginTime": "",  "isFirstStart": true  }  } |
| output body參數說明 | body.code 🡪 啟動成功與否，1(成功) / 0(失敗) body.msg 🡪 啟動訊息 body.lastLoginTime 🡪上次登入時間  body.isFirstStart🡪是否為第一次啟動 |
| 附註 | 1.lastLoginTime為long值  2.若機器已經開通，則只會紀錄登入時間&IP  3.每次開機時都要呼叫 |

1. 查詢首頁

|  |  |
| --- | --- |
| API name | home.index |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wifi\_mac": "xx-xx-xx-xx-xx-xx",  "action": "home.index"  },  "body": {}  } |
| input 參數說明 | header.action 🡪 取得首頁資訊 |
| Output範例 | {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wifi\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "long time"  …  },  body: {  "weather": {  "location": "台北市",  "desc": "天氣稍涼，多雲到陰，請注意氣溫的變化適時添加衣物。",  "today": "天氣稍涼，多雲到陰，請注意氣溫的變化適時添加衣物。",  "future": "天氣稍涼，多雲到陰，請注意氣溫的變化適時添加衣物。"  },  "msg": [{  "text": "hello world.",  "publishTime": "123232454534"  }],  "kv":  {  "kv1":[  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  },  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  }  ],  "kv2": [  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  },  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  }  ],  "kv3": [  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  },  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  }  ]  }  ],  "marquee": [  {  "link": "http://www.google.com",  "msg": "test"  },  {  "link": "http://www.google.com",  "msg": "test"  }  ],  "controlPanel": [  "app1": {  "appId": "123",  "iconPath": "http://www.xxx.com.tw/123.png",  "clzId": "1",  "clzName": "影視",  "name": "Youtube",  "link": "http://www.xxx.com.tw/xxx.apk",  "version": "1.0.0",  "publishTime": "123324234234"  },  "app2": {  " appId": "123",  "iconPath": "http://www.xxx.com.tw/123.png",  "clzId": "1",  "clzName": "影視",  "name": "Youtube",  "link": "http://www.xxx.com.tw/xxx.apk",  "version": "1.0.0",  "publishTime": "123324234234"  }  ]  }  } |
| Output body參數說明 | body: {  "weather": { //天氣預報  "location": "台北市",  "desc": "天氣說明",  "today": "今日預報",  "future": "明日預報"  },  "msg": [{  "text": "發送的訊息",  "publishTime": "發送時間"  }],  "kv": //廣告訊息  {  "kv1":[ //首頁廣告左  {  "link":"廣告連結",  "imgPath":"廣告圖檔位置",  "msg":"廣告訊息",  "serialNo":"id"  }  ],  "kv2": [ //首頁廣告右  {  "link":"廣告連結",  "imgPath":"廣告圖檔位置",  "msg":"廣告訊息",  "serialNo":"id"  }  ]  }  ],  "marquee": [ //跑馬燈訊息  {  "link": "跑馬燈連結",  "msg": "跑馬燈訊息"  }  ],  "controlPanel": [ //APP快捷鍵  "app1": {  "appId": "123",  "iconPath": "icon 路徑",  "clzId": "類別代碼",  "clzName": "類別名稱",  "name": "app 名稱",  "link": "下載連結",  "version": "版本",  "publishTime": "發佈時間"  }  ]  } |
| desc |  |

1. 取得地區碼

|  |  |
| --- | --- |
| API name | getArea |
| 說明 | 取得地區碼 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wifi\_mac": "xx-xx-xx-xx-xx-xx",  "action": "getArea"  },  "body": {}  } |
| input 參數說明 | header.action 🡪 取得地區碼 |
| Output body 範例 | {  header: {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732",  …  },  body: [  {  "areaId": "1",  "areaName": "台北市",  "parentId": "0",  },  {  "areaId": "2",  "areaName": "基隆市",  "parentId": "0",  },  {  "areaId": "123",  "areaName": "大安市",  "parentId": "1",  }  ]  } |
| output body參數說明 | body.areaId🡪地區碼  body.areaName🡪地區名稱  body.parentId🡪所在城市 |
| 附註 | 當parentId = 0的時候，表示該地區為城市 |

1. 取得商城app資訊

|  |  |
| --- | --- |
| API name | getApps |
| 說明 | 取得商城首頁資訊 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wifi\_mac": "xx-xx-xx-xx-xx-xx",  "action": "getApps"  },  "body": {}  } |
| input 參數說明 | header.action 🡪取得商城首頁app資訊 |
| Output body 範例 | {  header: {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732",  "osVersion": "1"  },  body: {  "kv": {  "kv1": [  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  }  ],  "kv2": [  {  "link":"http://www.google.com",  "imgPath":"http://60.248.131.18/ggd/kv/1234.jpg",  "msg":"test",  "serialNo": "123"  }  ]  },  "kinds": [  {  "id": "1",  "name": "影視",  "iconPath": "http://www.xxx.com.tw/123.png"  },  {  "id": "2",  "name": "工具",  "iconPath": "http://www.xxx.com.tw/123.png"  }  ],  "apps": [  {  "appId": "123",  "clzId": "1",  "clzName": "影視",  "name": "Youtube",  "link": "http://xxx.xxx.com.tw/12313.apk",  "version": "1.0",  "publishTime": "12312431314",  "pkgName": "com.xxx"  }  ]  }  } |
| output body參數說明 | {  header: {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732"  },  body: {  "kv": {  "kv1": [//左方廣告  {  "link":"廣告連結",  "imgPath":"廣告圖檔位置",  "msg":"廣告訊息",  "serialNo": "id"  }  ],  "kv2": [//u.4z; ej;3el4  {  "link":"廣告連結",  "imgPath":"廣告圖檔位置",  "msg":"廣告訊息",  "serialNo": "id"  }  ]  },  "kinds": [//app種類  {  "id": "1",  "name": "影視",  "iconPath": "http://www.xxx.com.tw/123.png"  },  {  "id": "2",  "name": "工具",  "iconPath": "http://www.xxx.com.tw/123.png"  }  ],  "apps": [  {  " appId": "流水號",  "clzId": "app分類代碼",  "clzName": "app分類",  "name": "app名稱",  "link": "下載連結",  "version": "版本",  "publishTime": "發布時間",  "pkgName": "app pkg名稱 "  }  ]  }  } |
| 附註 | publishTime為long值 |

1. 廣告點擊次數

|  |  |
| --- | --- |
| API name | Kv.clickcount |
| 說明 | 取得商城首頁資訊 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "action": "kv.clickcount"  },  body: {  "serialNo": "123",  "clickcount": "10"  }  } |
| input 參數說明 | header.action 🡪記錄被點擊的廣告 |
| Output body 範例 | {  header: {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732",  "osVersion": "1"  },  body: [  {  "code": "00-000",  "msg": "執行成功"  }  ]  } |
| output body參數說明 | body: [  {  "code": "執行代碼",  "msg": "訊息"  }  ] |
| 附註 | 以每10分鐘為單位回傳，每點擊一次先在機器上記錄一筆，之後再box後面跑一條thread呼叫server紀錄 |

1. app點擊次數

|  |  |
| --- | --- |
| API name | app.clickcount |
| 說明 | 取得商城首頁資訊 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "action": "app.clickcount"  },  body: {  "appId": "123",  "clickcount": "10"  }  } |
| input 參數說明 | header.action 🡪記錄被點擊的廣告 |
| Output body 範例 | {  header: {  "code": "00-000",  "msg": "程式執行成功.",  "ext": "",  "remoteIP": "",  "inTime": "1520130942657",  "outTime": "1520130942735",  "exeTime": "78",  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "authorizedEnd": "1520130942732",  "osVersion": "1"  },  body: [  {  "code": "00-000",  "msg": "執行成功"  }  ]  } |
| output body參數說明 | body: [  {  "code": "執行代碼",  "msg": "訊息"  }  ] |
| 附註 | 以每10分鐘為單位回傳，每點擊一次先在機器上記錄一筆，之後再box後面跑一條thread呼叫server紀錄 |

1. 取得最新版本OS資訊

|  |  |
| --- | --- |
| API name | app.os.version |
| 說明 | 取得商城首頁資訊 |
| URL | http://60.248.131.18/ggd/action/service/Functional |
| parameter | arg = {  "header": {  "sn": "xxx-xxx-xxx",  "mac": "1A-2V-3S-FV-AS-FX",  "wife\_mac": "xx-xx-xx-xx-xx-xx",  "action": " app.os.version "  },  "body": {}  } |
| input 參數說明 | header.action 🡪取得os版本資訊 |
| Output body 範例 | {  header: {  ...  },  body: [  {  "osVersion": "1",  "desc": "xxx",  "link": "....."  }  ]  } |
| output body參數說明 | body.osVersion🡪主機上最新版本的os  body.desc🡪更新內容  body.link🡪更新連結 |
| 附註 | 先由每個API的電文的header裡面確認最新版本的os為何，再決定是否需要呼叫此API |