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| Subject | QPlay APP Log - PIS | | Doc.: | S2-PIS | | Rev. | V1.0 |
|  | | | Release Date: | 2017/11/20 | | Revision Status: | |
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| Approved By: | | Reviewed By: | | | Prepared By: | | |
| PM / | | QA / | | | SD / | | |
|  | | SE / | | | SE / | | |
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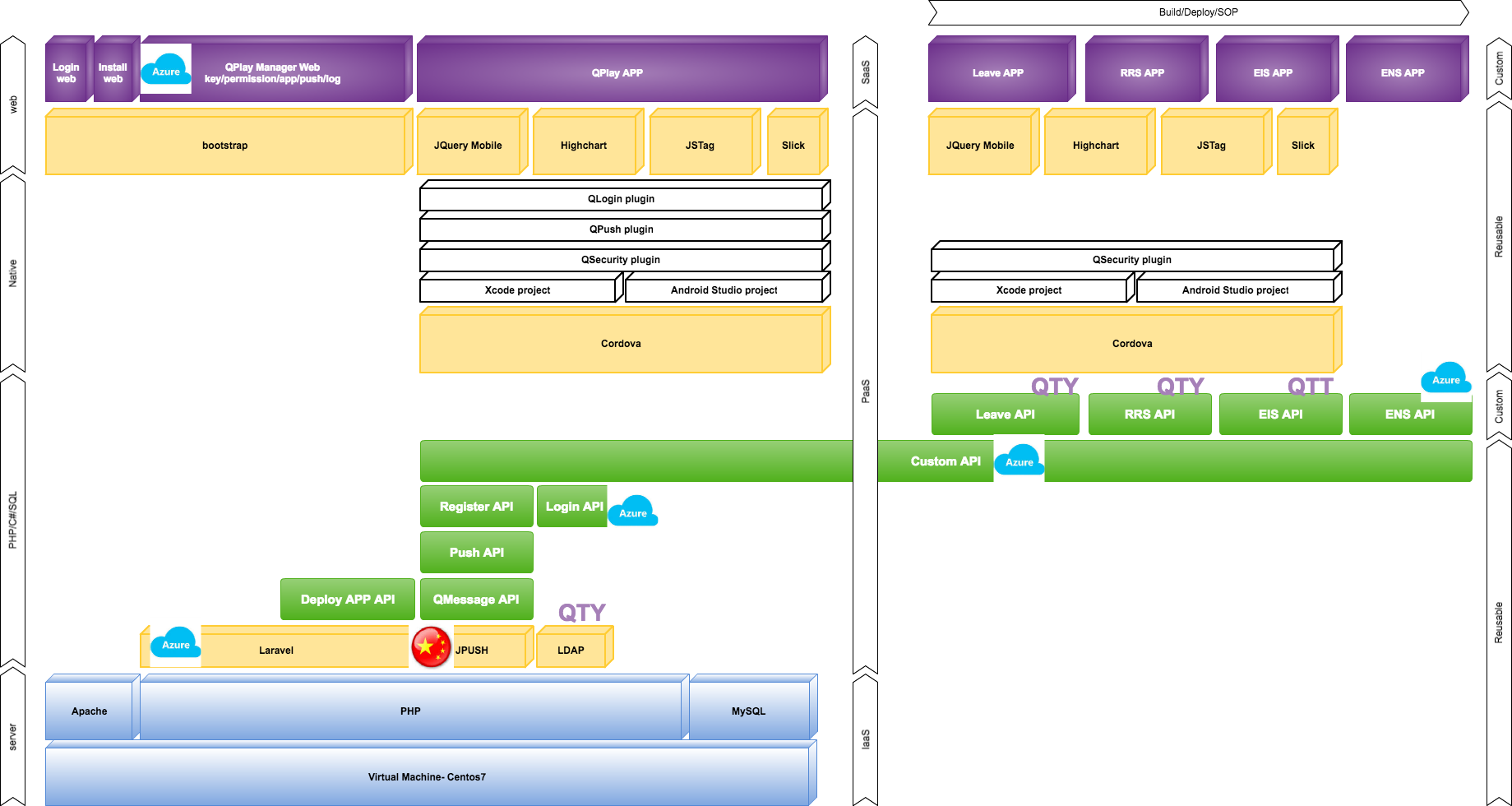
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# 系統設計 (System Design)

## 系統架構圖 (System Framework Diagram)



## 系統流程圖 (System Flow)

data

Local

(APP)

Server  
（API）

response

## 

## 類別圖 (Package/Class Diagram)

* [Comment] 程序类图， 建议使用Rose的Class Diagram或Visio的UML图

N/A

## 資料庫物件清單 (Database Object List)

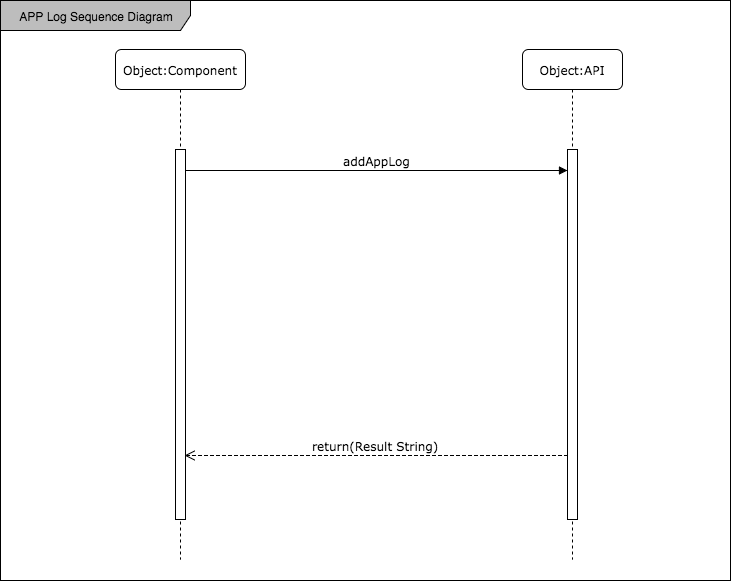
* [Comment] Database Object List, such as: table, view , stored procedure

N/A

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **DB Type** | **Type** | **Object Name** | **Description** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

* + DB Type: 如Oracle, MS-SQL
  + Type: 如 Table, View, Stored Procedure…

## 循序圖 (Sequence Diagram)



# Implementation

* component.js
  + pageshow Event Listener
  + change Event Listener
  + addAppLog Function

## 公用元件 (Public Component)

N/A

## 共用界面 (Public Interface)

* component.js

## 用戶使用QPlay記錄APP LOG種類(Module Name1)

\*必要參數名稱：login\_id, package\_name, log\_list(註1)

\*註1: 參數名稱參考: Qplay\_API: ch5.19 addAppLog

\*註2: 參數名稱page\_action = enterPage : APP一開始被載入的動作;

### APP被使用時段

1. APP Log開發細節

|  |  |
| --- | --- |
| Log Detail | Content |
| Add Code List | APP/component/component.js |
| Storage Method | localStorage(不得超過2.5MB) |
| Send Method | 固定N 分鐘, 最多處理M 筆  setTimeout(func, N分鐘\*60\*1000), data.length=M筆 |
| Queue | FIFO: 1. send data[0]-data[M] to addAppLog() API  2.delete data[0]-data[M] (.shift():刪除陣列頭部的資料) |

1. 資料(傳入addAppLog參數)

|  |  |
| --- | --- |
| 參數名稱(註1) | Content |
| page\_name | pageList (App’s view name) |
| page\_action | enterPage(註2) |
| start\_time | 被載入的時間點（unix/sec） |
| period | N/A |
| \*device\_type | ios/android |

### 用戶使用APP時間

1. APP Log 開發細節

|  |  |
| --- | --- |
| Log Detail | Content |
| Add Code List | APP/component/component.js |
| Storage Method | localStorage(不得超過2.5MB) |
| Send Method | 固定N 分鐘, 最多處理M 筆  setTimeout(func, N分鐘\*60\*1000), data.length=M筆 |
| Queue | FIFO: 1. send data[0]-data[M] to addAppLog() API  2.delete data[0]-data[M] (.shift():刪除陣列頭部的資料) |

(2.) 資料(傳入addAppLog參數)

|  |  |
| --- | --- |
| 參數名稱(註1) | Content |
| page\_name | pageList (App’s view name) |
| page\_action | enterPage (註2) |
| start\_time | 被載入的時間點（unix/sec） |
| period | 同一個package\_name條件下, 計算間隔時間 |
| \*device\_type | ios/android |

Problem1: 計算頁籤停留時間(period)

假如有人早上10:00開啟某隻APP mainpage後, 用了２分鐘就把APP收到背景, 過了１小時(11:00)才打開APP切到另一個page, 這樣period計算會是１１：００－１０：００, period = 1 hr

Problem2: 確認tab切換不算入?

要算的話page\_name會都是Mainpage

### APP各頁籤訪問數

(1.) APP Log 開發細節

|  |  |
| --- | --- |
| Log Detail | Content |
| Add Code List | APP/component/component.js |
| Storage Method | localStorage(不得超過2.5MB) |
| Send Method | 固定N 分鐘, 最多處理M 筆  setTimeout(func, N分鐘\*60\*1000), data.length=M筆 |
| Queue | FIFO: 1. send data[0]-data[M] to addAppLog() API  2.delete data[0]-data[M] (.shift():刪除陣列頭部的資料) |

(2.) 資料(傳入addAppLog參數)

|  |  |
| --- | --- |
| 參數名稱(註1) | Content |
| page\_name | pageList (App’s view name) |
| page\_action | enterPage (註2) |
| start\_time | N/A |
| period | N/A |
| \*device\_type | ios/android |