Xindom – 微信支付方案1

# Background

As we do not currently control the xinclient, xindom needs a way to enable wepay outside the xinclient. This document describes some analysis of the change we can make in the xindom system through wepay integration with xindom data server.

# Change of process

The comparison of the processes is displayed in the following flow chats. The difference is that when payment occurs, the process jumps to a web page (internally it could be a php page rather than html page) to complete the payment steps, and then it jumps back to xinclient thread.

**Current Implementation**

Xindom Server: creates order

Xindom Server: return next pay details to Xinclient

Xinclient: calls WePay server to make payment

Xinclient: call Xindom Server to confirm that the order is complete

Xindom Server: compete order, grant access rights to the user

Xinclient: thread reaches payment page

Xinclient: calls Xindom server to generate order payment

Xinclient: calls Xindom Server to get payment details

Xinclient: user confirms payment (click OK)

Xinclient: displays payment page

**Proposed Implementation**

Payment Page: user confirms payment (click OK)

Payment Page: jump to Xinclient next page position by click OK

Xinclient: thread reaches payment page position。Payment page is now a html page (a url in Xindom Server).

Payment Page: calls Xindom Server to complete payment

Xindom Server: create order, calls WePay to complete the payment and grant access rights to the user

Payment Page: fill in payment page details (JavaScript) and display

Payment Page: calls Xindom Server to get payment details

Xindom Server: returns payment details

# Tasks

Here is a list of tasks we need to do:

1. Split a current thread into two threads. The first is before the payment. The last position points to an external page URL. The second thread start with the page that originally is the next page after the payment page (**afterPaymentThread**). (Eva)
2. The external page should be hosted by Xindom Server. The new URL shall be xinclient2.xindom.com. The WePay API shall be installed under Xindom Server (Xiaofeng Li).
3. The payment package shall find how to get user UUID(Xiaofeng Li).
4. The Xindom Server shall expose an API (for example, HTTP POST <http://xinclient2.xindom.com/payment>) for the payment to call for WePay payment. The same API should complete payment, order and permission for the user(Xiaofeng Li).
5. Write payment pages based on the requirement of next section (.

# Payment pages

The payment pages shall contain the following contents:

1. Display a payment page. Note the components in the page shall be get from a call to the server. For example:
   1. ~~HTTP GET~~ [~~http://139.196.200.125/src/web/assessment/getThreadHeadPositionContent/3da1befff5b5c75e2e99948ffb230642c19fac6a/90000144/zh~~](http://139.196.200.125/src/web/assessment/getThreadHeadPositionContent/3da1befff5b5c75e2e99948ffb230642c19fac6a/90000144/zh)
   2. HTTP POST

<http://139.196.200.125/src/web/assessment/saveThreadPositionAndGetNextContent/3da1befff5b5c75e2e99948ffb230642c19fac6a/90000144/zh>

REQUEST BODY

{

"metricId":11,

"answers": []

}

RESPONSE BODY:

{

    "\_id": {

        "$id": "6046d6e935d91d1cb1f009eb"

    },

    "pageId": 90000186,

    "pageName": "高速递-定额支付页",

    "pageTypeId": 3,

    "pageTypeName": "payment",

    "pageDescr": "Fixed payment page.",

    "productId": 90000,

    "productName": "付费",

    "title": "请点按确认",

    "subTitle": "高考专业淘 专业速递报告",

    "lang": "zh",

    "metricId": -1,

    "payment": [

        {

            "vType": "vFixedAmount",

            "skuCode": "Fixed\_90000186",

            "values": [

                {

                    "order": 0,

                    "dataType": "titleRow",

                    "vDataName": "付费项目",

                    "value": "支付测试"

                },

                {

                    "order": 1,

                    "dataType": "dataRow",

                    "vDataName": "付费信息",

                    "value": "支付测试"

                },

                {

                    "order": 2,

                    "dataType": "priceRow",

                    "vDataName": "金额",

                    "amount": 1,

                    "currency": "CNY"

                }

            ]

        }

    ],

    "calculate": 0,

    "caluclateMetricId": -1,

    "nextButtonText": "去看专业速递",

    "threadId": 90000144,

    "canMoveBackward": **false**

}

The parameters in the response body should be used to fill in the payment page.

1. The payment page shall contain a pay button. When pressed, it should call

HTTP POST <http://139.196.200.125/payment>/? (to be decide)

REQUEST BODY:

(to be decide)

Return a http page that shows confirmation that the payment is completed. The page has a next button that point to the start of the **afterPaymentThread**.

1. User press the next button shall go to the first pay of **afterPaymentThread**.

(For the test purpose, hard code UUID and thread for the moment)