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|  | wvrap_logo.jpg  **Privileges – Payment Service**  **Technical Specification Document**  Version 0.2  *23/01/2015*  *Author: Andrew Crawford*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  "LEGAL NOTICE: This document(s) and the information disclosed herein are the proprietary and confidential data of Wyndham Vacations and Resorts Asia Pacific Pty Ltd.  Neither this document(s) nor the information contained within shall be distributed or reproduced without the express written authorization of Wyndham Vacations and Resorts Asia Pacific Pty Ltd." |

**Document Revisions**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change** |
| 0.1 | 11/11/2014 | Andrew Crawford | Initial Documentation Creation |
| 0.2 | 23/01/2015 | Andrew Crawford | Updates based off the working service.  Realized there needs to be a different transaction URL depending on if they are purchasing a membership or purchasing shop items.  Added the test harness information |

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# Document Overview

This document provides the technical details necessary to call the Payments service for Privileges.

## Related Documents

|  |  |  |
| --- | --- | --- |
| **Document Title** | **Location** | **Comments** |
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# Introduction

A generic payments page was created to be available for external applications. This is currently running at https://payments.wyndhamap.com /. This site was created to give a generic interface / data capture for a payment type and handles the interaction with the NAB Payment gateway.

As part of the Privileges project, this site will be customised to support a direct post from the external Privileges site and will respond with a corresponding request once the payment is successful.

# Membership Purchase - Transaction Page

This page can have its values passed as part of a POST redirect from the Privileges External page. It will send the results back as a POST redirect from the payment transaction page.

**Testing URL:** http://10.56.190.143:8081/pbw/member

**Production URL:** https://payments.wyndhamap.com/pbw/member

The following information needs to be sent as a POST request to the transaction gateway.

## Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Value Type** | **Mandatory** | **Description** |
| sessionID | CHAR | Y | The Members Session ID |
| successURL | CHAR | Y | The URL to call if the payment is successful.  This will send back the success data as a POST request. |
| errorURL | CHAR | Y | The URL to call if the payment was unsuccessful.  This will send back the success data as a POST request. |

## Success Response Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Value Type** | **Description** |
| sessionID | CHAR | The Members Session ID |

## Error Response Parameters

**Note:** This will only be called if there is either an unrecoverable error with the payment gateway, mandatory fields are missing from the initial values.

For recoverable errors (such as users not filling in their credit card details) the payments page will handle those displaying the appropriate warnings.

If you call this URL without passing a sessionID, this will also return a 404 error. If the SessionID is invalid / expired, then it will return a custom message.

|  |  |  |
| --- | --- | --- |
| **Name** | **Value Type** | **Description** |
| sessionID | CHAR | The Members Session ID  **(Note:** If this is missing, it will not be returned) |
| Error | CHAR | Error message |

# Shop Purchase - Transaction Page

This page can have its values passed as part of a POST redirect from the Privileges External page. It will send the results back as a POST redirect from the payment transaction page.

**Testing URL:** http://10.56.190.143:8081/pbw/index

**Production URL:** https://payments.wyndhamap.com/pbw/index

The following information needs to be sent as a POST request to the transaction gateway.

## Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Value Type** | **Mandatory** | **Description** |
| orderSummaryNo | CHAR | Y | The order Summary Number returned from the ‘Initial Checkout Service’ |
| sessionID | CHAR | Y | The Members Session ID |
| successURL | CHAR | Y | The URL to call if the payment is successful.  This will send back the success data as a POST request. |
| errorURL | CHAR | Y | The URL to call if the payment was unsuccessful.  This will send back the success data as a POST request. |

## Success Response Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Value Type** | **Description** |
| orderSummaryNo | CHAR | The order Summary Number returned from the ‘Initial Checkout Service’ |
| sessionID | CHAR | The Members Session ID |

## Error Response Parameters

**Note:** This will only be called if there is either an unrecoverable error with the payment gateway, mandatory fields are missing from the initial request or the orderSummaryID and Member Session ID cannot be found.

For recoverable errors (such as users not filling in their credit card details) the payments page will handle those displaying the appropriate warnings.

If you call this URL without passing a sessionID, this will also return a 404 error. If the SessionID is invalid / expired, then it will return a custom message.

|  |  |  |
| --- | --- | --- |
| **Name** | **Value Type** | **Description** |
| orderSummaryNo | CHAR | The order Summary ID returned from the ‘Initial Checkout Service’  **(Note:** If this is missing, it will not be returned) |
| sessionID | CHAR | The Members Session ID  **(Note:** If this is missing, it will not be returned) |
| Error | CHAR | Error message |

## Payment Processing

This is intended as a guideline to how the system will work processing the payments. It is included here for information purposes for ValueTec and to provide some guidance for developing the functionality for Wyndham.

* The system receives the orderSummaryID and Internal Member Session ID as well as the URL’s to redirect back to depending on a success or failure action.
* At this point, we can either create a payment gateway table for Privileges, have the Initial checkout server write the order, session ID, amount and reference to a row in this table or we can build a service to retrieve this directly from Privileges and not build a table. This will be revisited when it comes to implementing the design.
* The Transaction page displays the cc-form page is displayed to capture the credit card information (as per the framework)
* When the cc-form page is submitted, the payment gateway handles the response.
* If the response was successful, this calls the Final Checkout Service to finalise the payment in Privileges. It then redirects the request (as a POST) back to the Privileges SuccessURL.
* If the response was not successful, the payment gateway redirects back to the ErrorURL returning any relevant error codes and messages received.

# Test Harness

There is a test harness running at:

<http://10.56.190.143:8081/pbwSubmitTest.php>

This will allow you to simulate a member login (and generate a session ID) and then allow you to call.

Currently in the test environment, the following values should allow you to do either calls through this test harness.

**Owner Number:** 02014014261

**Order Summary Number:** 10

The harness also comes with a page that will print out any POST requests received.

This is at:

<http://10.56.190.143:8081/postHandler.php>

This can be used more for testing the success / error results from the payment gateway.