

KIWIRE 2.0 PMS API

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 - a) Project description and related use cases, e.g. what is the intended usage of this project.
 - b) Technology description, e.g. what programming languages and other technologies will be used in this project. This also includes hardware and computers involved in the operations and specifications of the network connections used by any implemented API clients.
 - c) List of API functions that are planned to be used in the project, together with frequency estimation, e.g. how frequent are the functions expected to be called.
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- 9) If training is requested, Synchronweb will include such request in the quotation for quality assurance project.

Version History

All changes of this document are recorded here.

Version	Changes / Additions
1.0	Create document.

General Preface

The KIWIWIRE API allows 3rd party software to access data gathered by KIWIWIRE 2.0 platform.

Note:

- In this document, we will be using following URL as API URL :
http://cloud.synchroweb.com/agent/edx_pms_api
- Token is the API key set in the KIWIWIRE > Integration > PMS > Cloud > KEY
- All requests must be sent via POST request. Calls made via GET, DELETE, PUT will fail.
You must provide token for each request for authentication purpose.
- All input & output are in JSON format.

Response Codes

Errors are returned using standard HTTP code syntax. Response with errors might indicate more error details.

Examples of Standard API return codes:

Code	Text	Description
106	Forbidden	Requested method is not allowed.
500	Internal Server Error	Something is broken.
400	Bad Request	Request is invalid and cannot be served.
401	Unauthorized	Authentication credentials are missing or invalid.
404	Not Found	Requested data does not exist.
406	Not Acceptable	Request has wrong format or missing info.
200	Success	Request is successfully processed.

Function

There are 3 built in functions for the API:

- Guest check in & check out function
- Posting of charges
- Acknowledgement posting of charges

Check in & check out function

The guest check in & check out function is use for PMS software to send guest check in, check out, room info change or room move. The following are JSON parameters for check in function:

Parameter	Sample	Description
tokenkey	Abc123	Kiwire Token key
function	checkin	API function type
room	roomno	Room number
folio_no	12345678	Folio number of the guest
fname	John	First name of the guest
lname	Smith	Last name of the guest, if last name is empty please use first name for full name.
occupancy	1	No of occupancy for the check in room
vip_code	1	VIP code for the guest
mode	checkin	Type of check in function <ul style="list-style-type: none">• checkin (guest check in)• checkout (guest check out)• update (guest info update)• roommove (room move for guest)

Parameter	Sample	Description
cidate	2017-01-20	Check in date of the guest
codate	2017-01-23	Check out date of the guest
cloud_id	hotelA	Cloud ID of the organisation for Kiwire. For standalone edition this will be default.
new_room	1102	New room no for room change for guest

Examples

JSON posting of data

Guest Check In

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"checkin","room":"1101","folio_no":"12345678","fname":"john","lname":"smith","occupancy":"1","vip_code":"0","mode":"checkin","cdate":"2017-07-03"}
```

Guest Check Out

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"checkin","room":"1101","mode":"checkout","cdate":"2017-07-03"}
```

Guest Information Change

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"checkin","room":"1101","folio_no":"12345678","fname":"john","lname":"smith","occupancy":"1","vip_code":"0","mode":"update","cdate":"2017-07-03"}
```

Guest Room Move

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"checkin","room":"1101","new_room":"1102","folio_no":"12345678","fname":"john","lname":"smith","occupancy":"1","vip_code":"0","mode":"roommove","cdate":"2017-07-03"}
```

Example Result in text:

Output	Values
OK	Update successful
Fail	Update fail

Posting of Charges

This function requires your application to query the API to check for any new pending transaction from Kiwire platform. It is recommended to run the check every 10 minutes for high frequency site or 1 hour for low transaction sites. Use acknowledgement of posting charges function to acknowledge the posting.

Required Arguments:

Parameter	Sample	Description
Tokenkey	Abc123	Kiwire Token key
Function	post_get	Retrieve pending posting transaction
cloud_id	hotelA	Cloud ID of the organisation for Kiwire. For standalone edition this will be default.

Example Posting:

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"post_get"}
```

The output of the successful posting transaction listing request will return the current unacknowledged posting of transaction. The format will be JSON output and it may contain multiple rows of data, the format will be as follows:

Output	Values	Description	Data type
post_id	1	Transaction id of posting	Numeric
roomno	1101	Room no	Numeric
datetime	2017-01-21 11:30	Charge date	Date time
charges	10	Charge amount	Numeric
remark	Remark	Remark for the charges if any	text

Example output of successful request:

```
[{"post_id":"23","roomno":"1102","datetime":"2017-07-04 07:19:47","charges":"50.00","remark":"test"}, {"post_id":"24","roomno":"1101","datetime":"2017-07-04 07:26:29","charges":"15.00","remark":"internet bill"}]
```

Acknowledgement Posting Charges

This function is used to acknowledge the posting of charges completed by your PMS platform. Only one transaction acknowledgement per call is accepted by the function.

Required Arguments:

Parameter	Sample	Description
tokenkey	Abc123	Kiwire Token key
function	post_ack	Retrieve pending posting transaction
post_id	1	Transaction ID

Example:

```
{"tokenkey":"abc123","cloud_id":"Hotel1","function":"post_ack","post_id":"23"}
```

Example Result in text:

Output	Values
OK	Update successful
Fail	Update fail