EDI Bookings

Refresh Swagger Document Definition



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1.0 Token Refresh Endpoint

## Overview

The ability to automatically refresh a soon to expire JWT will be offered (please keep note on when your token will expire, this is so you can refresh it before it expires, else EDI bookings will fail to process – token not valid). Customers will be issued with both an access JWT and a refresh JWT when they are onboarded. The refresh JWT is single use and must be stored securely. When posted to the refresh endpoint the response will contain newly generated access and refresh JWTs. A sample refresh JWT header and body is:

{

 "typ": "JWT",

 "alg": "ES256"

}

.

{

 "sub": "Fonterra",

 "type": "refresh",

 "iss": "KiwiRail",

 "label": "ctms",

 "nbf": 1517396400,

 "exp": 1517482800,

 "iat": 1517396400,

 "jti": "328ea5d5-df30-4622-b248-7ed4ede75b4a",

 "roles": [

 "create-booking", "update-booking", "cancel-booking"

 ]

}

If the refresh JWT is no longer valid then a 401 error will be returned.

## Token Refresh Endpoint Details

|  |  |  |
| --- | --- | --- |
| PROD URI | Method | Description |
| https://api.kiwirail.co.nz/V1/tokens/refresh | POST | Refresh tokens endpoint |

|  |  |  |
| --- | --- | --- |
| TEST URI | Method | Description |
| https://api-uat.kiwirail.co.nz:444/V1/tokens/refresh | POST | Refresh tokens endpoint |

## Request HTTP Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header** | **Value** | **Data Type** | **Comment** |
| **version** | 1 | integer | API version |
| **transactionID** | FONTERRA\_20171107131313\_3dc7ffca-fd28-49ba-9636-1ff66bfe5341 | string | Identifies a group of messages |
| **messageID** |  | string | Unique identifier for this message. This is similar to the Mule ESB MessageID who would use this id internally. The message ID should only exist for the message between two systems, so a stream over three components will use two messageIDs one for component A to B and one from B to C. This value cannot be set by the caller. |
| **currentSystem** | Fonterra Bookings | string | System that generated the message |
| **userInitiatingRequest** | email |  | User requesting/submitting information Login ID |
| sequenceID |  | string | Unique identifier for a sequence of messages. When null the message is not part of a sequence, if not null, the sequence number should be non 0 |
| **sequenceNumber** |  | integer | 0,> for messages that are split up but need to be processed in order. When 0 this message is not part of a sequence. When not 0 the SequenceID is mandatory |
| **creationTimestamp** | 2017-11-07 13:13:13:123 NZDT | string | Date of creation of the message in YYYY-MM-DD hh:mm:ss:ms in NZDT |
| auditCategory |  | string | Holds a string that can be used to collect log information over all services |
| payloadEncrypted |  | boolean | If true the payload is encrypted, when false it is not. This is set for the content encryption(like GPG), not the connection (like SSL) |
| payloadEncoding |  | string | When the payload is text, it should contain the text encoding (Like ‘UTF-8’), if binary , the encoding is binary When the payload is encrypted, the encoding should be the encoding of the unencrypted payload. If the payload type is not known, or not disclosed, the value is passthrough |
| **debug** | 0 |  | If 0 then do not log in debug mode, if 1 then log. |
| **retryNumber** | 0 |  | How many retries have been made |
| **Cache-Control** | no-cache |  | See https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Cache-Control |
| **x-forwarded-for** | application/json |  | This holds client IP address send by netscaler |

## Refresh Sample Request Body

A request body with this structure is posted:

{

“refreshJwt: “”string”,

}

## Refresh Token Request Data Definition

|  |  |
| --- | --- |
| Name  | Data Type |
| refreshJwt | string |

## Refresh Sample Success Response Body

A sample response body:

{

 "accessJwt": "string",

 "accessExpiry": 0,

 "refreshJwt": "string",

 "refreshExpiry": 0,

}

## Refresh Token Success Response Data Definition

|  |  |  |
| --- | --- | --- |
| Name  | Data Type | Definition |
| accessJwt | string | (access JWT Token) |
| accessExpiry | integer | (expiry date – epoch time) |
| refreshJwt | string | (refresh JWT Token) |
| refreshExpiry | integer | (expiry date – epoch time) |

## Success Response Header

|  |  |  |  |
| --- | --- | --- | --- |
| **Header** | **Value** | **Data Type** | **Comment** |
| **version** | 1 | integer | The version of this message format. |
| **transactionID** | FONTERRA\_20171107131313\_3dc7ffca-fd28-49ba-9636-1ff66bfe5341 | string | An unique identifier for a set of messages belonging to each other. Can be null if there is no transaction ID attached to this message. Identifier is defined as <app>\_<initiator>\_<timestamp>\_UUID for example |
| **messageID** |  | string | Unique identifier for this message. This is similar to the Mule ESB MessageID who would use this id internally. The message ID should only exist for the message between two systems, so a stream over three components will use two messageIDs one for component A to B and one from B to C. This value cannot be set by the caller |
| **currentSystem** | Fonterra Bookings | string | System that generated the message |
| **userInitiatingRequest** | email |  | User requesting/submitting information Login ID |
| sequenceID |  | string | Unique identifier for a sequence of messages. When null the message is not part of a sequence, if not null, the sequence number should be non 0 |
| **sequenceNumber** |  | integer | 0,> for messages that are split up but need to be processed in order. When 0 this message is not part of a sequence. When not 0 the SequenceID is mandatory |
| **creationTimestamp** | 2017-11-07 13:13:13:123 NZDT | string | Date of creation of the message in YYYY-MM-DD hh:mm:ss:ms in NZDT |
| auditCategory |  | string | Holds a string that can be used to collect log information over all services.  |
| payloadEncrypted |  | boolean | If true the payload is encrypted, when false it is not. This is set for the content encryption(like GPG), not the connection (like SSL) |
| payloadEncoding |  | string | When the payload is text, it should contain the text encoding (Like ‘UTF-8’), if binary , the encoding is binary When the payload is encrypted, the encoding should be the encoding of the unencrypted payload. If the payload type is not known, or not disclosed, the value is passthrough |
| **debug** | 0 | integer | Logs all requests if set in debug mode 0 - Don't debug 1 - Debug mode |
| **retryNumber** | 0 | integer | Attempts made by calling service to read content |
| **Cache-Control** | no-cache | string | Recommended caching time for services to expire (When data should be refreshed. ) (When data should be refreshed. ) The directives can be used max-age, s-max-age, private/public, no-cache, no-store, must-revalidate, proxy-revalidate |

## Refresh Sample Error Response Body

{

 "errors": [

 {

 "code": 0,

 "description": "string"

 }

 ],

 "\_links": [

 {

 "rel": "string",

 "href": "string"

 }

 ]

}

## Error Response Data Definition

|  |  |  |
| --- | --- | --- |
| Name  | Data Type | Definition |
| errors |  | An array of error items containing error codes and descriptions. Note that the error descriptions will be normalised. |
| code | integer | An error code - should be used in conjunction with the HTTP response code. |
| description | string | A short description of the error. |
| \_links |  |  |
| rel | string | The relationship to the request e.g. self which contains the resource that was requested or {object name}, a link to a resource that is related to the requested resource |
| href | string | A link to the related resource. In an error scenario this is likely to be something such as a link to a support portal. |

## Error Response Header

|  |  |  |  |
| --- | --- | --- | --- |
| **Header** | **Value** | **Data Type** | **Comment** |
| version | 1 | integer | The version of this message format. |
| transactionID | FONTERRA\_20171107131313\_3dc7ffca-fd28-49ba-9636-1ff66bfe5341 | string | An unique identifier for a set of messages belonging to each other. Can be null if t here is no transaction ID attached to this message. Identifier is defined as <app>\_<initiator>\_<timestamp>\_UUID for example |
| messageID |  | string | Unique identifier for this message. This is similar to the Mule ESB MessageID who would use this id internally. The message ID should only exist for the message between two systems, so a stream over three components will use two messageIDs one for component A to B and one from B to C. This value cannot be set by the caller |
| currentSystem | Fonterra Bookings | string | System that generated the message |
| userInitiatingRequest |  |  | User requesting/submitting information Login ID  |
| sequenceID |  | string | Unique identifier for a sequence of messages. When null the message is not part of a sequence, if not null, the sequence number should be non 0 |
| sequenceNumber |  | integer | 0,> for messages that are split up but need to be processed in order. When 0 this message is not part of a sequence. When not 0 the SequenceID is mandatory |
| creationTimestamp | 2017-11-07 13:13:13:123 NZDT | string | Date of creation of the message in YYYY-MM-DD hh:mm:ss:ms in NZDT |
| auditCategory |  | string | Holds a string that can be used to collect log information over all services |
| payloadEncrypted |  | boolean | If true the payload is encrypted, when false it is not. This is set for the content encryption(like GPG), not the connection (like SSL) |
| payloadEncoding |  | string | When the payload is text, it should contain the text encoding (Like ‘UTF-8’), if binary , the encoding is binary When the payload is encrypted, the encoding should be the encoding of the unencrypted payload. If the payload type is not known, or not disclosed, the value is passthrough |
| debug | 0 | integer | Logs all requests if set in debug mode 0 - Don't debug 1 - Debug mode |
| retryNumber | 0 | integer | Attempts made by calling service to read content |
| Cache-Control | no-cache | string | Recommended caching time for services to expire (When data should be refreshed. ) (When data should be refreshed. ) The directives can be used max-age, s-max-age, private/public, no-cache, no-store, must-revalidate, proxy-revalidate |
| ErrorState |  | string | One of UNKNOWN, OK, WARN, ERROR, FATAL |
| ErrorType |  | string | Specific error information. |
| ErrorOriginID |  | string | Message ID of where error first occurred |