

Roomorama

INSTANT AVAILABILITY API - V2.0

Document revision
2 (26/08/2014)

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1. Introduction

The goal of this new API is to allow selected partners to make their properties available for instant booking on www.roomorama.com.

In order to do so they will have to create, manage and keep their properties up to date (including prices and availabilities) via our API and then register *webhooks* to allow us to check prices and availability in realtime on guest checkout.

Roomorama will call the registered *webhooks* sending booking and price information to the partner defined web endpoints, these endpoints will send a response indicating whether the price is correct and the property is still available.

After a successful response Roomorama will accept the guest payment and confirm the booking instantly.

Finally the partner will be informed of the booking via another *webhook* call.

2. Managing Properties

Properties should be managed and kept in sync via the Roomorama V1.0 API.

Documentation for the API and a step by step guide is available under:

<https://www.roomorama.com/api>

3. Enabling Instant Bookings

To enable Instant Bookings on your host account you need a registered *client application* (instructions on API V1).

This *client application* will have to support 2 webhooks for the events **checkout** and **booked**:

Application details for PartnerApplication

[Edit](#)**Client Identifier:**`mHhAPcBNYxyQr8hU5FZG0A`**Client secret:**`uuVpRkH5CfCG3W1ap4dTdj80AQnsEhSWUWCRGP0U`**Callback URL:**`http://mysite.com/callback`**Web Server flow authorization URL:**`https://www.roomorama.com/oauth/authorize?client_id=mHhAPcBNYxyQr8hU5FZG0A&response_type=code`**User-Agent flow authorization URL:**`https://www.roomorama.com/oauth/authorize?client_id=mHhAPcBNYxyQr8hU5FZG0A&response_type=token`

This is your access token that you can use to access some API methods:

Access token : `pQ1gWaCsgMvFn3tv2weugWtK4VAD91vEVZ70JZIGJ4`[Delete access token](#)

Full documentation for the API can be found at the following link:

<https://staging.roomorama.com/api>

We use OAuth 2.0 (draft 18) and support both Bearer Tokens (draft 06) and MAC Authentication (draft 00)

If you would like to enable this application for instant booking, make sure you have webhooks that respond to the checkout and booked events.

Webhooks

URL

has to be prefixed with http:// or https://

Content Type

Events

- ☐ Created
- ☒ Booked
- ☐ Trashed
- ☐ Cancelled
- ☐ Completed
- ☐ Updated
- ☐ Price check
- ☒ Checkout

[Create](#)

Then a request has to be submitted for Roomorama to enable the client application for instant bookings:

Application details for PartnerApplication

[Edit](#)**Client Identifier:**`mHhAPcBNYxyQr8hU5fZG0A`**Client secret:**`uuVpRkH5CFG3W1ap4dTdj80AQnsEhSWUWCRGP0U`**Callback URL:**`http://mysite.com/callback`**Web Server flow authorization URL:**`https://www.roomorama.com/oauth/authorize?client_id=mHhAPcBNYxyQr8hU5fZG0A&response_type=code`**User-Agent flow authorization URL:**`https://www.roomorama.com/oauth/authorize?client_id=mHhAPcBNYxyQr8hU5fZG0A&response_type=token`

This is your access token that you can use to access some API methods:

Access token : `pQ1gWaCsgMvFn3tv2weugWtK4VAD91vEV270JZIGJ4`[Delete access token](#)

Full documentation for the API can be found at the following link:
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Validate your application for instant booking by testing the webhooks using the button below

[Validate for instant booking](#)

Webhooks

Then via the API V2.0 instant bookings for specific rooms can be enabled/disabled:

instants : Enable/Disable instant bookings for a room

[Show/Hide](#) [List Operations](#) [Expand Operations](#) [Raw](#)

POST **v2.0/host/rooms/{room_id}/instant.json** Enables instant bookings for a room

Parameters

Parameter	Value	Description	Parameter Type	Data Type
room_id	(required)		path	string

Try it out!

DELETE **v2.0/host/rooms/{room_id}/instant.json** Disables instant bookings for a room

For more details:

https://staging.roomorama.com/api/documentation/v2_0

4. Webhooks

price_check (async)

The price_check event is an optional event triggered when the user runs a price check on the property. A representation of the inquiry with the currently calculated price for the stay will be submitted to the webhook (no ID since it isn't persisted).

Success

If the pricing is correct, the remote system can return a 200 Success response and the flow will continue as normal.

Failure

If the pricing is incorrect the remote system should return a 409 Conflict status.

The remote system should proceed to update the room rates via the API.

At this point, Nothing happens in case the connection to the remote system times out (it is retried twice) or returns another error (since this is an optional step).

checkout (sync)

The checkout event is sent when the user views the checkout page, and can be used by the remote system to block the property on their side. A representation of the inquiry with the currently calculated price for the stay will be submitted to the webhook.

Success

If the pricing is correct and the property is still available, the remote system can return a 200 Success response and the flow will continue as normal.

Failure

If the pricing is incorrect, the remote system should return a 409 Conflict status.

The conflicting status or an error will update the inquiry to set the price to expired and an error message will be shown to the user explaining that he cannot proceed with the booking.

booked (sync)

This is the final call of the instant booking flow. We submit a booked callback just like with any regular inquiry, but wait synchronously for a response.

Success

Partner has acknowledged the booking. We collect the credit card auth and mark the inquiry as booked.

Failure

If the partner declines the booking (responds with a conflict status), we cancel the authorization and display an error to the user.

5. Instant Booking Flow Summary

The flow of webhook calls during a booking process is as follows:

User views property page and runs a price-check:

Webhook - price_check (async)

User views checkout page:

Webhook - checkout (sync)

User submits credit card information

Webhook - checkout (sync)

Credit card authorization is performed

Webhook - booked (sync)

Credit card authorization is collected