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Opening a hosting account through the API: catalog, purchase from credit and following the new service

What You Can Automate

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Opening a hosting account through the API: catalog, purchase from credit and following the new service

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The short answer: your system picks the plan from the catalog, buys it with `POST /v1/services/purchase`, pays from credit and gets the service number back. The account opens just as with a purchase in Meu MozOut. If you are in the Reseller Program, the catalog and the purchase already carry your Agence price. Test it all first with a Sandbox key, which charges nothing. There is a summary on the **hosting for resellers** page.

The key you need

Permission	What for
`catalog:read`	Seeing the plans, cycles, options and prices.
`billing:read`	Checking your credit before you buy.
`billing:purchase`	Buying from credit. It is a sensitive permission and comes switched off: turn it on by hand.
`hosting:write`	Write access for the area. Buying hosting or reseller hosting needs it as well as the purchase permission.
`hosting:read`	Following the new service after the purchase.

Keys are created on the **API page in Meu MozOut**. Give this key a spending limit that matches what you buy: it is the most it can spend in 30 days. The step-by-step guide is in **creating an API key**.

Step by step

1. **Pick the plan.** `GET /v1/catalog/products` lists what is on sale, with the price of each cycle. `kind` says what the product is and `purchasable` whether it can be bought through the API. With a discount, `price` is your price, `list_price` the public one and `discount` the percentage.

2 **Look at the options.** `GET /v1/catalog/products/{id}` shows the cycles with a price and the options to choose, such as the panel (cPanel or Plesk), with the price of each choice. Options you do not send take the first choice, as in Meu MozOut.

3 **Have the domain in your account.** For the hosting to open with your client's domain, the domain has to be in your account. You can register it first, through the API too: see **domains through the API**. Without a domain, the account starts on a temporary address that you can change later.

4 **Check your credit** with `GET /v1/billing/credit`. The purchase is paid from credit only.

5 **Buy** with `POST /v1/services/purchase`: `product_id`, `billing_cycle` and, if you like, `domain` and `config_options`. The `Idempotency-Key` header is required: build it from your client's order number, and a dropped connection will not buy the plan twice.

6 **Follow the service.** The answer includes `service_id`, `invoice_id`, `amount` and `manage_url`. Follow the service with `GET /v1/services/{id}`. Until it is ready, `domain` and `username` may come back as `null`.

7 **Hand over access.** The API never returns passwords. The access details are in Meu MozOut, at the `manage_url` address.

The purchase, with the client's domain (`38` is just an example: the right `product_id` comes from your account's catalog):

```
curl https://api.mozout.co.mz/v1/services/purchase -X POST \
-H "Authorization: Bearer $MOZOUT_API_KEY" \
-H "Content-Type: application/json" \
-H "Idempotency-Key: order-1042-hosting" \
-d '{"product_id": 38, "billing_cycle": "annually", "domain": "asuaempresa.co.mz"}'
```

For Plesk, add `config_options` as `{"option id": choice id}`, using the numbers that `GET /v1/catalog/products/{id}` shows for the panel option.

No need to keep asking.
If you save an address with `PUT /v1/webhooks` (permission `webhooks:write`), the `service.created` event tells you when the service has been created on the server, with `service_id`, `name` and `domain`.

The price is your account's price

The API charges the same as the cart and the invoice. If the invoice does not match that price, the purchase is undone and nothing is charged. `amount` includes tax; `subtotal` and `tax` show the two parts. With a `sandbox_` key nothing is created and nothing is charged.

The answers you will come across

Answer	When	What to do
`402 insufficient_credit`	Your credit is not enough. Nothing was charged.	Top up and repeat with the same `Idempotency-Key`.
`403 spending_limit_exceeded`	The purchase goes over the key's spending limit. Nothing was charged.	Use a key with a higher limit, or wait for the period to reset.
`403 insufficient_scope`	The key is missing a permission.	Check the table above.
`409 profile_incomplete`	The account profile is not complete.	Complete it in Meu MozOut.
`409 domain_not_owned`	The domain is not in this account.	Register or transfer it into the account, or buy without a domain.
`422 incompatible_options`	Plesk with WordPress, or Windows with a cPanel licence.	Choose cPanel for WordPress.
`429`	You went over a limit. Purchases allow 5 per minute.	Wait the seconds in `Retry-After`.

After the purchase, the management.
The management operations (databases, SSL, PHP, FTP, cron and the rest) only run on an active hosting account, on a supported server: today, cPanel. On a Plesk account they answer `409` with `server_not_supported`. See **hosting through the API**.

RECOMMENDED

Want to open hosting accounts from your own system? Start with a Sandbox key and your Agence discount.

See hosting for resellers →

SEE ALSO

- Hosting through the API: subdomains, databases, cron jobs, SSL, PHP options and FTP
- Creating an API key: name, mode, permissions, validity, IP list and spending limit
- Idempotency-Key in our API: repeating a purchase, payment or ticket without doing it twice
- API Sandbox or Production: what each key really does, and moving your program to production
- Domains through the API: checking a name, registering, renewing and transferring with credit
- Resellers and agencies: a new client's domain, DNS and mailboxes through the API, step by step
- Hosting in the Reseller Program

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RLX Holdings, S.A. · Group RLX Holdings

TAX ID (NUIT)	401 191 607
LEGAL ENTITY NO. (NUEL)	105 045 974
ECONOMIC ACTIVITY CODE (CAE)	62022
REGISTERED OFFICE	Bairro 7 de Setembro Vilankulo 1304 · CEP 0411-02, Inhambane, Mozambique
CONTACT	info@mozout.co.mz · +258 84 635 1111 · +258 86 635 1111 · www.mozout.co.mz
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