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Domains through the API: checking a name, registering, renewing and transferring with credit

Domains & DNS

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https://www.meu.interweb.ao/knowledgebase/2768

Domains through the API: checking a name, registering, renewing and transferring with credit

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The short answer: through the API you list your domains, check whether a name is free and what it costs, **register, renew and transfer** paying from your account credit, and change nameservers, transfer lock and auto-renewal. Purchases need `domains:write`, `billing:purchase` and the `Idempotency-Key` header.

Listing and checking

Operation	What it does	Permission
`GET /v1/domains`	The account's domains, next to expire first, in pages. Filter `?status=active`.	`domains:read`
`GET /v1/domains/{domain}`	One domain, by name or `id`.	`domains:read`
`GET /v1/domains/availability`	Whether a name is free and the one-year price (registration, renewal and transfer).	`domains:read`

```
curl "https://api.interweb.ao/v1/domains/availability?domain=asuaempresa.ao" -H "Authorization: Bearer $RLX_API_KEY"
```

If the check says `unknown`, it was not possible to confirm right now whether the name is free, and registration through the API will not go ahead. Try again later.

Registering, renewing and transferring

1. **Confirm the name and the price** with `GET /v1/domains/availability`.

2 **Make the request** with `POST /v1/domains/register` (or `/v1/domains/{domain}/renew`, or `/v1/domains/transfer` with the transfer code), always with an `Idempotency-Key`.

3 **Payment comes from your account credit**, within the key's spending limit. If credit is short, the price has changed or the account profile is incomplete, **nothing is charged**.

4 **The answer is a** `202` with an `action_id`: follow it as explained in **long-running operations**.

```
curl https://api.interweb.ao/v1/domains/register -X POST \
-H "Authorization: Bearer $RLX_API_KEY" \
-H "Content-Type: application/json" \
-H "Idempotency-Key: 6f1d2c3a-8b4e-4f7a-9c21-1d2e3f4a5b6c" \
-d '{"domain": "asuaempresa.ao", "years": 1}'
```

A domain cannot be registered for more than 10 years in total. Some extensions, including .mz, are handled manually and take longer. Prices are on the **domain pricing** page.

What is only done in Meu Interweb

These cases answer `422` with a `portal_url` that takes you to the right place in Meu Interweb:

Case	Why
.mz and .ao names of up to 3 characters	They have their own price.
.ac.mz, .gov.mz and .mil.mz	They require documents.
Extensions that need extra holder details	The details are filled in on Meu Interweb.
Transfers of .mz and .ao	They are handled in Meu Interweb.

Nameservers, lock, renewal and contacts

Operation	What it does
`GET` and `PUT` `/v1/domains/{domain}/nameservers`	Read and change the nameservers. Give from 2 to 5.
`GET` and `PUT` `/v1/domains/{domain}/lock`	The transfer lock.
`PUT /v1/domains/{domain}/auto-renew`	Auto-renewal.

Operation	What it does
`GET /v1/domains/{domain}/contacts`	The contacts in the domain record.
`POST /v1/domains/{domain}/transfer-code`	Requests the transfer code. Needs `domains:transfer_code` and the name in `confirm`. The code never appears in the answer: it goes to the account or holder e-mail.

The domain of the account e-mail is protected.
If the e-mail you sign in with, or that of one of your users, is on this domain, changing the nameservers answers `409 account_email_domain`, in Sandbox too: whoever controls that mail receives password resets and sign-in codes. Make that change in Meu Interweb.

Nameservers and lock
may come from a copy up to 60 seconds old, which does not count towards the limit of 30 reads per minute; contacts are always read live. What you change through the API shows straight away. Changing contacts, the holder, privacy and forwarding is not in the API yet.

RECOMMENDED

Want to register domains from your own system? See the API page and test first with a Sandbox key, which never charges.

See the API page →

SEE ALSO

- DNS through the API: adding, changing and deleting records, and restoring a zone backup →
- Long-running API operations: the 202 answer, the action_id and following the result →
- Idempotency-Key in our API: repeating a purchase, payment or ticket without doing it twice →
- Sensitive API permissions and the spending limit: paying, buying, reinstalling, cPanel access →
- The API for resellers and agencies: account, reseller programs and what the API does not cover →

API request limits: per key, per account and per task, the headers and what to do after a 429 →

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