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Sensitive API permissions and the spending limit: paying, buying, reinstalling, cPanel access

WhatsApp & APIs

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Sensitive API permissions and the spending limit: paying, buying, reinstalling, cPanel access

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The short answer: anything that can cost money, delete data or give full access to the account has its **own permissions**, kept apart from the others and **off by default**. On top of that, every key has a **spending limit** per 30 days: with the limit at 0, the key spends nothing. Turn these permissions on only in the key that really needs them.

The sensitive permissions

Permission	What for	Status
`domains:transfer_code`	Request a domain's transfer code	Available
`domains:owner_change`	Change a domain's holder	Coming soon
`vps:reinstall`	Reinstall a server (wipes everything)	Available
`vps:restore`	Restore a server from a backup	Available
`vps:password`	Change the root password and receive it in the answer	Available
`billing:pay`	Pay invoices from your credit	Available
`billing:purchase`	Buy domains and extras with your credit	Available
`services:cancel`	Request the cancellation of a service	Available
`hosting:login`	Create a cPanel login link, with full access to the hosting	Available
`hosting:code`	Create FTP accounts and cron jobs, which can run code in the account	Available

> **!** `hosting:login` **and** `hosting:code` **give access to the cPanel account**. That is why they lack the protection the API gives to the domain of the account e-mail (the mailbox that receives password resets). A key with them can, in practice, reach everything in the hosting. Give them only to keys that truly need them.

The spending limit

Every key has a maximum it may spend in **30 days**, in your account currency (for example, Kz). You set it when you create the key. With the limit at 0, the key cannot spend.

Today the API **only charges your account credit**, and only in these cases: domain purchases (registration, renewal, transfer), extras purchases and invoices paid with credit. It never charges any other way.

If…	The API answers	Charged?
The operation goes over the key's spending limit	`403 spending_limit_exceeded`	No
The account credit is not enough	`402 insufficient_credit`	No
The key is Sandbox, or the API is in preparation	A simulated answer	No

Checking what has been spent

`GET /v1/limits` returns the key's spending limit, what has been spent and the 30-day window, plus the requests left this minute. Any valid key can call it.

```
curl https://api.interweb.ao/v1/limits -H "Authorization: Bearer $RLX_API_KEY"
```

Setting up keys sensibly

1. **A read-only key** (reports, dashboards, alerts): no sensitive permissions, spending limit at 0.
2. **A key that renews domains**: `domains:write` and `billing:purchase`, with a spending limit sized to the renewals you expect.
3. **A VPS admin key**: `vps:write` to start and restart; `vps:reinstall` or `vps:password` only if the program really needs them, ideally in a separate key with an IP list.
4. **A key that pays invoices**: `billing:pay`, with an IP list and a short validity.

Need a higher limit?

The API's advice for `spending_limit_exceeded` is to create a key with a higher limit. Do it on the **API page** and revoke the old one. To top up your credit, use the usual **payment methods**.

RECOMMENDED

About to let a key pay, buy or reinstall? Create it separately, with an IP list and a low spending limit.

Create a key →

SEE ALSO

- **API permissions by area: read or write, and which permission each task needs**
- **Creating an API key: name, mode, permissions, validity, IP list and spending limit**
- **Invoices through the API: listing, PDF, paying with credit, renewal cycle and cancellations**
- **Domains through the API: checking a name, registering, renewing and transferring with credit**
- **Controlling a VPS through the API: start, stop, restart, root password, reinstall and backups**
- **Hosting through the API: subdomains, databases, cron jobs, SSL, PHP options and FTP**

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