NOS
Nube4 Object Storage

NUBE4 OBJECT STORAGE

S3-COMPATIBLE OBJECT STORAGE · DEDICATED AND MANAGED

Your own S3, on your domain, with no surprise bills.

- ✓ S3 compatible
- ✓ One installation per customer
- ✓ Pay for capacity
- ✓ English & Spanish console
- ✓ At Nube4 or your data center

175 of 175
automated compatibility tests passed

Yours alone
your own infrastructure: disks, server and console, never shared

From 20 TB
of dedicated capacity, growing as you need it

THE CHALLENGE

Data keeps growing.
Your control over it doesn't.

Backups, files, video, documents: every year there is more to keep. The public cloud makes it easy at first and hard to predict later; building it in-house takes a team to run it.

Bills you can't predict

In the public cloud you pay per GB, per request and for every byte that leaves. Restoring a large backup can cost more than storing it for a year.

Where is my data?

Shared infrastructure in another country, under another legal framework. For banking, healthcare or government, “in some provider's region” isn't enough.

Doing it yourself costs

Your own storage is free to download and expensive to run: updates, disks, permissions, backups and on-call shifts.

THE REAL QUESTION

It isn't “which cloud do we use”, but “who controls our data, and what will it cost us to get it out”.

THE PLATFORM

Nube4 Object Storage is your private S3, operated by Nube4

A complete installation for a single customer: the S3 API at s3.your-domain, a web console to manage it, and Nube4 making sure it all works. Your applications use it the way they would use Amazon S3.

01

Store

S3-compatible API: the tools you already use work unchanged.

02

Protect

Per-application identities, least privilege, versioning and object lock.

03

Explore

A web explorer to upload, share and recover files without installing anything.

04

Operate

Capacity, health, alerts and backups, watched over by Nube4.

THE CATEGORY, PLAINLY STATED

It competes with Amazon S3, Wasabi or Backblaze in what it does (S3 object storage), but it is delivered as an installation dedicated to you alone, without you having to run it.

01 · STORE

S3 compatible, measured, not assumed

Before writing the console, we tested the engine against real clients. If a tool speaks S3, it speaks to Nube4 Object Storage.

- ✓ **Real clients, no tweaks.** AWS CLI, rclone, restic and the Java and Python SDKs.
- ✓ **The full API that matters.** Multipart (a 5.2 GB object, intact), presigned URLs, CORS, tags and the checksums of modern SDKs.
- ✓ **No lost writes.** We restarted every engine process with writes in progress: zero confirmed writes lost.
- ✓ **What you already use keeps working.** If you work with Amazon S3 or MinIO today, your applications only change the endpoint and the keys.

COMPATIBILITY SUITE · TESTS PASSED

S3 operations Upload, download, list, versions, lock, expiration	73 of 73
Identities and permissions Isolation, mandatory prefix, revocation	43 of 43
Real tools AWS CLI 2.37 · rclone 1.75 · restic 0.19	22 of 22
Entry protection What the public gateway rejects, per-bucket quotas	37 of 37

USED, FOR EXAMPLE, FOR

Server backups · Database backups · Nextcloud · In-house applications

01 · STORE · THE COMPATIBILITY SUITE

What we test, and what each number means

175 automated tests do, against a real installation, what your applications will do. “73 of 73” means that all 73 tests in that group gave the correct result.

73 of 73

S3 operations

What an application does with its files: upload, download, list, copy and delete; large files in parts, signed links, versions, lock and expiration.

43 of 43

Identities and permissions

That each key only sees and touches what is its own, can't create buckets outside the customer's prefix, and stops working when revoked. Includes attempts that must fail.

22 of 22

Real tools

AWS CLI, rclone and restic doing their usual work (copy, sync, back up and restore) with no special tweaks.

37 of 37

Entry protection

That the public gateway rejects what isn't its business, such as managing keys or changing quotas, and that each bucket's quota is enforced.

REPEATED BEFORE EVERY UPDATE

The engine isn't updated on any installation until the new version passes the full suite again.

THE DIFFERENTIATOR

Your data shares no disk, server or console with anyone

Each customer gets their own installation: their disks, engine, database, console and domain. There are never two customers on one installation, so someone else's load or errors can't reach you.

INFRASTRUCTURE

Disks assigned to you

The capacity you contract is real disks, with redundancy underneath (ZFS or RAID). What you see in the console is what's there.

IDENTITY

On your domain

The API at s3.your-domain and the console on the host you choose, with an automatic TLS certificate. Your brand, not a provider's.

LOCATION

Wherever you need it

On Nube4's infrastructure or inside your own data center. You know exactly which machine your data is on.

In the public cloud you're one more tenant in a huge building. **With Nube4 Object Storage the building is yours, and Nube4 takes care of the maintenance.**

02 · PROTECT

A leaked key only opens what's its own

Security isn't a checkbox in the settings: it's in how the installation was built. Each decision was tested against the real engine with cases that must fail.

Least privilege, for real

- ✓ **One identity per application.** The backup system's identity only sees its buckets; if its key leaks, the rest stays safe.
- ✓ **Keys restricted by IP.** Optionally, a key only works from your network's addresses, using the client's real IP.
- ✓ **No key can create others.** Key management isn't exposed to the Internet: only the console does it.

Secrets and access

- ✓ **The secret is shown only once.** It isn't stored in the console's database or in the logs.
- ✓ **Internal components are never published.** Only the S3 API reaches the Internet, behind a filtering edge.
- ✓ **Protected console.** Strong passwords, attempt limits, two-step verification (TOTP) and an audit of every change.

FOUND AND CLOSED BEFORE SELLING

Measuring the engine, we saw that out of the box any key could create other keys and change its own quota. The Nube4 installation closes both paths, and we verify it with negative tests.

02 · PROTECT

Every application and every person, with just what they need

Applications use S3 identities with keys; people use console users with roles. Everything is set up with forms, without writing policies by hand.

Identities and keys

One identity per application, with keys that are generated, rotated, expired and revoked. When created, they download ready to use.

.env · rclone.conf · AWS credentials

Bucket and folder permissions

Read, write, both or administration, on a whole bucket or a prefix. The console shows the resulting policy.

Bucket or prefix · Allowed IPs · Visible policy

Console roles

Administrators, editors who only use the explorer, and read-only users. Editors and readers can be limited to certain buckets.

Admin · Editor · Read only · Per-bucket scope

BUILT FOR EVERYDAY WORK

The accounting team can upload and share its files in its bucket without seeing IT's backups or touching any settings.

03 · EXPLORE

Your files, from the browser

A complete web explorer, in English and Spanish. Data travels directly between the browser and the storage over signed links: the console authorizes, it doesn't act as a middleman.

Uploads that don't get lost

Files and whole folders, by drag and drop. Large files upload in parts and resume after a network drop or a page reload.

Multipart · Resumable · Tested in real Chrome

View and share

Preview of images, PDF, text, audio and video. Temporary links to share a file with someone who has no account.

Preview · Expiring links · Tags

Go back

In versioned buckets: see what was deleted and recover it, or view a folder as it was on a date and restore that version.

Show deleted · View at a date · Restore

NO BOTTLENECK

Since data doesn't go through the console's server, uploading 50 GB neither overloads it nor slows it down for everyone else.

02 · PROTECT · DATA PROTECTION

Backups that not even ransomware can delete

Object storage is the last refuge for backups. That's why its data must be protectable even from whoever holds the key.

Object Lock

Date-based retention in GOVERNANCE or COMPLIANCE mode, and legal hold. A locked object can't be deleted or overwritten until it expires, not even with the application's key.

Immutable · Retention · Legal hold

Versioning and lifecycle

Each overwrite keeps the previous version. Expiration rules clean up old data automatically, including incomplete uploads.

Versions · Automatic expiration

Installation backup

Every day the console's database and the storage index are backed up, encrypted. If something goes wrong, the installation is restored from that backup.

Daily · Encrypted · Restorable

Redundancy and a second copy

Disks have redundancy (mirror or RAID), so a disk failure loses no data. If you need a second copy at another site, we plan it with you.

04 · OPERATE

You know how much you have, and when it will fill up

The console measures capacity on the real disks and projects growth. Nube4 watches the engine's health; you see what matters to you.

Capacity and usage

Used versus contracted, estimated days until full and daily charts per bucket: space, objects, requests and traffic.

Fill-up forecast · Per bucket · CSV

Timely alerts

By email and in the console at 80, 90 and 95% of capacity, and when a disk has errors or goes read-only.

80 / 90 / 95% · Email · Disks

Audit

Who created, changed or deleted what, when and from which IP. Including the actions of Nube4's own operator.

Every change · Source IP · Operator included

WHAT NUBE4 DOES FOR YOU

Updates tested before they are applied, daily backups, engine health, space compaction after large deletions, and support.

HOW IT'S DELIVERED

A complete installation, with a single way in

A platform exclusively for you, not shared with other customers. Only ports 80 and 443 are open to the Internet; everything else lives on an internal network.

EDGE

Automatic TLS

Certificates for s3.your-domain and the console, renewed automatically.

S3 API gateway

Filters what must not reach the engine and passes on each client's real IP.

→

CONSOLE

Web application

Buckets, identities, explorer, capacity and audit, in English and Spanish.

Management service

Talks to the engine only through its APIs and keeps the audit log.

→

STORAGE ENGINE

S3 engine

A proven, mature S3 storage engine, on a pinned and tested version.

Your disks

Volumes on the assigned disks, with their index backed up daily.

Redundancy at the disk layer · mirror or RAIDZ2 with ZFS, or your infrastructure's RAID (never RAID0)

ALL THAT'S NEEDED

Somewhere to run (Nube4's infrastructure or yours), the data disks, your domain and outbound Internet access for the license. Nube4 installs, updates and operates the rest.

DELIVERY MODELS

At Nube4 when that's enough.
On your premises when it matters

MODEL 01

On Nube4's infrastructure

A dedicated virtual machine on Nube4's platform, with assigned disks and ZFS redundancy. No hardware to buy and no data center to maintain.

IDEAL FOR

Those who want to start fast, with no investment in equipment, and their data on an installation of their own.

MODEL 02 · DIFFERENTIATOR

In your own data center

The same platform on your hardware and your disks. Data never leaves your building, and Nube4 still manages it.

IDEAL FOR

Regulated sectors, data residency requirements, or companies that have the hardware but not the team to run it.

IN BOTH CASES, THE SAME RULE

Managed by Nube4, one installation per customer and the same console. The license is checked online; if contact is lost there are weeks of margin with alerts, and data is never deleted.

COMPARISON

The best of both paths, without their hidden costs

The public cloud is convenient but bills for everything; DIY means running it yourself. Nube4 Object Storage sits in between.

CRITERION	NUBE4 OBJECT STORAGE	PUBLIC CLOUD (S3 AND SIMILAR)	BUILT BY YOUR TEAM
Cost model	✓ By contracted capacity	– Per GB, request and egress	– Hardware + team hours
Dedicated infrastructure	✓ Always, one customer per installation	✗ Shared	✓ Yes
Data in your data center	✓ Optional	✗ In the provider's region	✓ Yes
Who operates it	✓ Nube4	✓ The provider	✗ Your team
Console and support in Spanish	✓ Yes	– Translated console, paid support	– Depends on the edition

Qualitative comparison. Third-party prices and terms change: verify them before putting them in writing.

COMMERCIAL MODEL

You buy capacity.
Everything else is included

You contract an installation of a given capacity. There is no charge per request, traffic or user: the bill is the same in the month you restore all your backups.

ON NUBE4'S INFRASTRUCTURE

Dedicated capacity

From 20 TB

dedicated, with redundancy

Price based on capacity and contract term.

- ✓ Console, explorer and alerts
- ✓ Operation and backups by Nube4

GROWS WITH YOU

Expansion

+ TB

on the same installation

More disks are assigned; the console forecasts fill-up and warns you early.

- ✓ Same buckets, keys and domain
- ✓ No data migration to another service

ON YOUR INFRASTRUCTURE

Tailored to you

Your disks

in your data center

License and operation by Nube4 on the hardware you already have.

- ✓ Data doesn't leave your building
- ✓ Same console, same support

NO SURPRISES ON THE BILL

Buckets, identities, keys, console users, requests and outbound traffic: no limit and no extra charge. The only variable is capacity, and you see it in the console every day.

AN HONEST VIEW

Choose based on what you're optimizing for

It isn't the answer for everyone. When another option fits better, we say so.

Choose Nube4 when…

- ✓ You store tens of TB and want a fixed bill
- ✓ You restore or download a lot and egress costs you dearly
- ✓ You need to know which machine your data is on
- ✓ You want immutable backups with Object Lock
- ✓ You have hardware, but no team to run it

Choose the public cloud when…

- • You store a few GB and a small, variable bill isn't a concern
- • You need data replicated across several regions of the world
- • You use cold archive classes or analytics services on the data
- • Your whole platform already lives with that provider

Do it yourself when…

- • You have an infrastructure team with time to run it
- • You need a multi-node cluster with erasure coding
- • You want full control of the code and of each update

FREQUENTLY ASKED QUESTIONS

The questions that come up on every call

What happens if a disk fails?

Disks are mirrored or in RAID, so losing one loses no data. In addition, the storage index and the console are backed up daily and can be restored.

Do I have to change my applications?

No. If they use Amazon S3 or MinIO today, they change the endpoint and the keys. Whatever speaks S3 (AWS CLI, rclone, restic, the SDKs) works the same.

How do I migrate what I have in another cloud?

With rclone, bucket by bucket, without stopping your systems: copy, verify and switch the endpoint when you're ready.

Can Nube4 see my data?

Nube4 operates the installation with its own operator account, and each action is recorded in the audit log you can see. Your applications use their own keys.

Does it integrate with our corporate sign-in?

Yes, through Axeso: your users sign in to the console with their corporate account, with MFA, passkeys and the same access rules as in the rest of their applications.

NOS
Nube4 Object Storage

NEXT STEP

Your data, on your domain, at a cost that doesn't change.

A 30-minute demo with your case: your backups, your applications and your volume. Then, a pilot with a real bucket and your usual tools.

Book a demo | Start a pilot | Request a quote