Cloud Mail
de CloudSpace

Business email on your own domain, with every feature for every account

Cloud Mail receives, filters, signs and delivers your domains' email, and brings it to its own webmail, desktop app and Android app. An installation that is yours alone, on Nube4's infrastructure or in your data center, that works on its own or as part of CloudSpace. One license per installation covers every account and every feature.

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per mailbox: every account, with every feature	Docker with engine, anti-spam, anti-virus, console and webmail	with TOTP codes and passkeys on every account	English and Spanish on every screen, server page and message

SERVICE MODEL

Type of service	A complete mail server for organizations: engine (Apache James), database (PostgreSQL), anti-spam, anti-virus, admin console, webmail and apps, with an installation dedicated to a single customer.
Where it's installed	On Nube4's infrastructure or in the customer's data center, as an all-in-one Docker image.
License	Per installation, with online activation. **Unlimited accounts**: no per-mailbox fee.
Editions	Just one. Every feature in this data sheet is included, with no add-on modules.
Languages	English and Spanish in the console, webmail, apps, server pages and error messages.
Product	Standalone or as part of **CloudSpace**, alongside Cloud Drive, Cloud Meet and Cloud Office.

PROTOCOLS AND CLIENTS

SMTP	Inbound on port 25 with STARTTLS; authenticated submission on 465 (TLS) and 587.
IMAP and POP3	143 and 993, 110 and 995. Outlook, Thunderbird, Apple Mail and any standard program.
JMAP	For the webmail and our own apps, with instant new-mail notifications.
CalDAV and CardDAV	Calendars and contacts (RFC 4791 and RFC 6352) with incremental sync.
ManageSieve	Port 4190: Sieve filters from the email program.
Autoconfiguration	Thunderbird (autoconfig), Outlook (Autodiscover) and Apple (.mobileconfig profile), with SRV records.
ActiveSync	Optional, with Z-Push in a separate container installed by the operator.

DELIVERABILITY

DKIM	RSA 2048 and Ed25519 per domain, with selector, key rotation and suggested DNS record.
DNS diagnostics	MX, A and AAAA, PTR, SPF, DKIM, DMARC, MTA-STS and TLS-RPT for every domain, with history and alerts.

Server diagnostics	Ports, STARTTLS, certificates, HELO and its DNS, open-relay test and system clock.
Blocklists	The outbound IP against Spamhaus ZEN, SpamCop, Barracuda, PSBL, Mailspike and UCEPROTECT. Optional Spamhaus DQS.
DMARC reports	Receives and reads aggregate reports from other servers, and sends its own.
MTA-STS and TLS-RPT	Policy per domain (testing, enforce or none) served at mta-sts.<domain>, plus TLS reports.
Outbound routes	Authenticated smarthost, relay networks, a dedicated IP and HELO per domain, and forced routing to a host.
Sending limits	External recipients per hour and per day, by mailbox, domain and server, with **automatic suspension**.
Strict sender	Nobody sends as someone else: the sender must be the mailbox, one of its aliases or a delegated account.
Privacy	On the way out, the sender's program, computer name and IP address are removed.

ACCOUNT SECURITY

Passwords	Stored with Argon2id. Changed from the webmail, closing every other session.
Second factor	TOTP codes with a QR code, 10 recovery codes and **passkeys** (WebAuthn).
App passwords	One per email program (IMAP, SMTP, DAV), revocable without touching the others.
Brute force	Lockout by account and by IP on the web, IMAP, POP3, SMTP, ManageSieve, JMAP and DAV.
Guard	Rules to block or allow addresses and ranges, with priority, comment and expiry; automatic blocking of abusive connections.
Sessions	Every device with its IP, country and browser; end them one by one or all at once.
Sign-in	OpenID Connect with PKCE and rotating tokens; single sign-on with CloudSpace.
Web	Strict CSP, HSTS, rate limits and security headers on every page.

ANTI-SPAM AND ANTI-VIRUS

Anti-spam	Rspamd with reputation, SPF, DKIM and DMARC on inbound mail; it also checks outbound mail.
Anti-virus	ClamAV on inbound and outbound mail; it can be turned off on low-memory servers.
Quarantine	Rejected spam and viruses, with message view, .eml download, release or delete.
Per mailbox	Its own spam threshold, blocked senders and "Not spam" from the webmail.
Admin rules	Server-wide Sieve rules and regular-expression filters.

WEBMAIL

Reading	Conversations, reading pane on the right, below or off; HTML cleaned and shown isolated; remote images only if you ask.
Writing	Editor with fonts, colors, lists, inline images and attachments; drafts that save themselves.
Search	Operators from:, to:, subject:, in:, has:attachment and is:unread, in Spanish too.
Organization	Folders, color labels, stars, archive and actions on whole folders, with progress.
Filters and away replies	Visual filter editor, automatic replies and forwarding with or without a copy.

Identities	Several per mailbox and per alias, each with its own signature; one default for every app.
Sharing	Shared mailboxes with no password of their own, account delegation and shared folders.
Offline	Installs as an app (PWA), keeps a copy of the mailbox, sends when the network returns and **notifies new mail**.
Accessibility	Fully usable by keyboard and screen reader.
BIMI	The sender's logo when its domain passes DMARC and publishes BIMI.

CONTACTS AND CALENDAR

Contacts	Address book with groups and photos; imports and exports vCard 2.1, 3.0 and 4.0; suggestions as you type.
Calendar	Month, week, day and agenda views; recurring events with exceptions and several calendars.
Invitations	Sent and answered from email (iMIP); the organizer receives the replies.
Sync	CardDAV and CalDAV with any phone or computer.

OUR OWN APPS

Desktop	Several accounts in their own windows, native notifications, unread badge, offline copy, default email program (mailto:) and automatic updates.
Android	Preview: several accounts and servers, offline copy on the phone, writing with attachments, sharing from other apps, search and Android 12+ dynamic color.

ADMINISTRATION

Domains	Set up with DKIM and suggested DNS, alias domains, catch-all, whole-domain forwarding, quota and mailbox count.
Mailboxes	Quota with usage, password, disable, change address, empty, internal-only sending and copy to Sent.
Aliases and lists	Aliases, forwards with or without a copy, distribution lists and "all mailboxes in the domain".
Administrators	For the server and for each domain: each one sees only their own.
Mail queue	Grouped by day: retry, or delete one message, a whole day or everything for one address.
Migration	Per-domain batches from another server over IMAP, with folders, dates and flags, **repeatable and without duplicates**.
API and CLI	Documented REST API (OpenAPI) with scoped keys, compatible with the poste.io API, plus an operations CLI.
Audit	Who changed what and when, with filters.

LOGS AND MONITORING

Delivery log	Each message's path, searchable by address, IP, Message-ID or text, with the anti-spam details.
Sign-in log	Sign-ins by protocol, IP and country, successes and failures.
Dashboard	Delivered, sent, spam, virus, rejected and failed per day; top senders and recipients.
Monitoring	Health in JSON, Prometheus metrics and heartbeat to an external monitor; optional Grafana.
Log search	Optional OpenSearch to search months of logs.

Cleanup and alerts	Retention per data type, emptying Spam and Trash, and email alerts to the administrator.

WITH CLOUDSPACE

Single sign-on	**Continue with Cloud Space**, with the launcher to the suite's other apps.
Accounts and groups	Accounts come from CloudSpace (SCIM), and every group gets its own mailing list.
Offboarding	A leaver's mailbox becomes shared, goes to a delegate or is forwarded, without losing mail.
Cloud Meet	Meetings in calendar events, "Meet now" from an email and invitations sent from the organizer's mailbox.
Cloud Drive	Save attachments to Drive, attach from Drive and send large files as links.
Free/busy	Meet checks the calendar to suggest times, without seeing event titles.