rose

ECOSYSTEM BROCHURE · 2026

One Platform. Every Office.

Open Source, Real Control.

Mail · Drive · Office · Calendar · Projects · Meet · Chat · Identity · Telephony · Storage · WhatsApp · Logs · AI — on one server, run from one panel.

POWERED BY Imply I.T. Business Solutions

01 · ROSE AT A GLANCE

A rack of servers, replaced by one Rose.

Rose replaces separately licensed servers with one compact MikroTik data server running 22 hardened containers. Each service is isolated, versioned and tested on its own; together they share one directory, one database, one web panel and one AI administration agent.

Complete office platform

Mail, files, Active Directory, drive and calendars, documents, meetings, telephony, S3 storage, WhatsApp and central logs.

One sign-in

The directory account opens Windows, mail, files, cloud, meetings and the panel.

AI-assisted

Administered in plain language from the panel, console, WhatsApp or a desktop AI client, through one guarded agent.

Open source throughout

No per-user, per-mailbox, per-core or per-seat licence fees.

One box

Router, firewall, VPN and every server in a single MikroTik RDS with RAID6 storage.

Your data stays yours

Mail, files, meetings and calls stay on your premises.

Proven migration path

Live database replication and staged cut-over from existing Linux and Windows servers.

22	1	RO
containers	box	licence fees

Who Rose is for

Small and mid-sized offices

Your own mail, files and phones without a server room or per-user licences.

Organisations leaving ageing servers

Rose joins the existing domain and database, then takes over in stages.

Multi-site businesses

Database replicas and backups at branches; staff on the VPN reach every service by the same names.

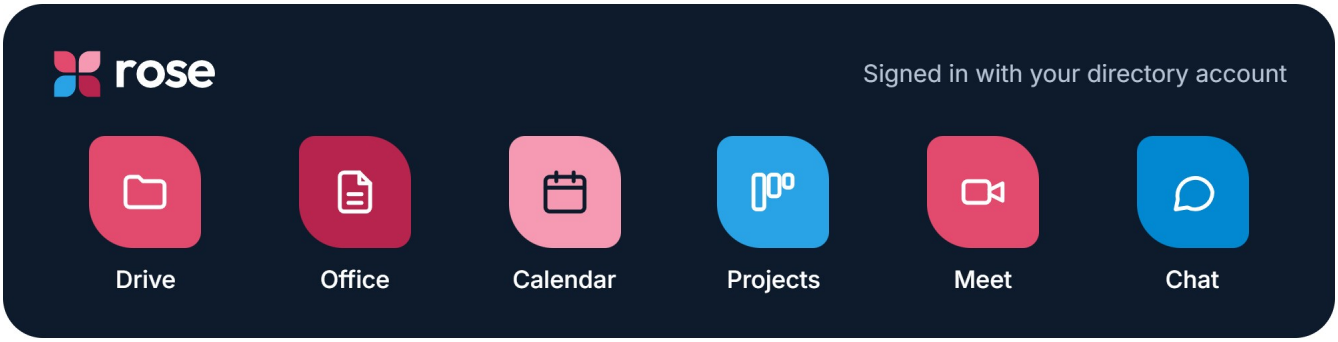
Managed-service providers

One repeatable, documented build per client, run through the same guarded AI agent.

02 · THE WORKSPACE

Everything your team works in. One Rose.

Drive, Office, Calendar, Projects, Meet and Chat — with one sign-in and one look, running on your own server.



Rose Drive

Desktop and mobile file sync, sharing links and the company file shares in one view. Uploads scanned for viruses.

Built on Nextcloud

Rose Office

Several people in one Word, Excel or PowerPoint file at the same time, in the browser. Microsoft formats by default.

Built on Collabora Online

Rose Calendar

Shared calendars and address books on Outlook, Apple, Android and Thunderbird. Meeting replies tracked for the host.

CalDAV · CardDAV

Rose Projects

Team boards and tasks beside your files and calendars, so work stays on the same platform and the same sign-in.

Built on Nextcloud

Rose Meet

Private video meetings in the browser — guests need no app — with phone dial-in by private PIN through the Rose PBX.

Built on Jitsi Meet

Rose Chat

Team and one-to-one conversations on your own server, signed in with the same directory account.

Built on Nextcloud

ALSO IN THE BOX

Mail & webmail · Phone system & web phone · WhatsApp codes and alerts · Private network for remote staff · Staff network drives — all behind the same directory sign-in as Windows.

03 · AI-ASSISTED ADMINISTRATION

Run your office in plain language.

Every AI action on Rose — from the panel assistant, a "/" command, a WhatsApp message or a desktop AI client — goes through one component: **rose-agent**. It offers **384 typed tools** over the router and every container, and every call passes the same scopes, the same boundary and the same audit log. There is no free-form shell and no way around the controls.



Four ways in, one guarded agent

Panel assistant

Plans the job, streams progress and shows every change as an approval card.

Console "/" commands

Every tool as a typed command with a form. No AI model, no cost.

WhatsApp channel

Ask, acknowledge alerts and approve with a one-time code. Off until switched on.

Desktop AI clients

Any MCP-capable client, with a personal, scoped, expiring token.

What it does for you

- **Trouble-shooting from the logs.** Searches every service at once and follows a message from arrival to mailbox.
- **Telephony without risk.** Drafts dial-plan changes, shows the difference, applies only what was approved.
- **Mailbox insight.** Finds dormant mailboxes, boxes never read and orphaned folders.
- **Meetings in one request.** Room, dial-in PIN, calendar entry and invitations — then who accepted.
- **People and access.** Users, groups, shares, extensions, drives and keys — credentials go to the person, never the model.
- **Watches while you sleep.** 13 alert rules, from stopped containers and RAID to certificates and backups.

04 · REAL CONTROL

Safety is mechanical, not a promise.

The AI can only do what the platform allows, and a person approves every change.

Operator ceiling	Write access, provisioning and wider powers are switches on the router, off by default. No token or AI request can raise them.
Boundary	Router paths that could run code, read secrets, grant standing access or take the site down are refused.
Approval before change	Writes wait for a person. Risky operations also need a typed confirmation word; over WhatsApp, a one-time code bound to that exact call.
Scoped tokens	Each person gets their own token: read, write or chat, limited to named containers or tools, source address and expiry date.
Secrets stay with people	Passwords and keys go to the person once and never to the AI model. Tool results are redacted before the model sees them.
Spend and run limits	Daily and per-run cost caps, tool-call and time limits, usage reported per person and model.
Full audit trail	Every call records the real person, the channel, the model, the approval and the result, and is searchable.
Second guard per service	Each container accepts only its own list of typed operations, so the agent cannot run arbitrary commands even if asked.

Built to be trusted

Security first
Modern password hashing, TLS on every service, no secrets in images, code or logs.

Isolation
Every service in its own container and address; a fault or upgrade in one never touches the others.

Network
Private container subnet, per-service firewall rules, management only over WireGuard VPN.

Resilience
RAID6, persistent volumes, off-site database replicas, a locked backup bucket, rollback for every container.

Verifiable
Locked dependency lists and automated test suites for every release.

Documented
Installation manual, panel guide and operations lists — all searchable by the AI agent.

05 · SERVICES

Every service in its own container.

Each service has its own release, tests and rollback. Status reflects the reference deployment in October 2026.

SERVICE	BUILT ON	REPLACES	STATUS
Mail & mailboxes	Exim 4.98, Courier IMAP	Exchange / hosted mail	Live
Webmail	Roundcube 1.7	Outlook on the web	Live
WhatsApp gateway	OpenWA	SMS gateway, messaging service	Live
Drive & calendars	Nextcloud	Hosted file sync, Exchange calendars	Live
Projects & chat	Nextcloud	Project boards, team chat subscriptions	Live
Office editing	Collabora Online	Office suite subscriptions	Live
Meet	Jitsi Meet	Hosted video conferencing	Live
Telephony & TURN	Asterisk 22, coturn	Commercial / hosted PBX	Live · desk phones pilot
Overlay network	Lattice (ZeroTier-compatible)	VPN server, hosted overlay	Live
Domain controller	Samba 4.22 AD DC	Windows Server AD, DNS, NPS	Live
File server	Samba 4.22	Windows file server	Live
Database	MariaDB 11.8	Commercial database	Live
Object storage	MinIO-compatible S3	Cloud storage, backup vault	Live
Anti-virus	ClamAV 1.4	Commercial AV gateway	Live
Central logs	Grafana Loki	Log management service	Live
Panel & AI agent	Rose panel, rose-agent	Separate admin consoles	Live

One sign-in
Directory account opens every service

AI on every layer
Every change approved and audited

Isolated containers
Versioned, tested, rolled back alone

Secure by default
TLS everywhere, VPN-only management

R0
licence fees, every service

Open source, real control.

Every Rose service runs on mature, widely used open-source software: no per-user, per-mailbox, per-core or per-seat fees, now or as you grow. The money that would recur every year on subscriptions goes into hardware, support and improvement instead. The source is open to inspection, data stays in open formats, and there is no vendor lock-in.

SERVICE	OPEN-SOURCE PROJECT	LICENCE	COMMERCIAL EQUIVALENT	TYPICALLY LICENSED
Mail server	Exim	GPL-2.0+	Exchange / hosted mail	per mailbox, per month
Mailboxes, webmail	Courier-IMAP, Roundcube	GPL-3.0	Exchange / hosted mail	per mailbox, per month
Anti-virus	ClamAV	GPL-2.0	Mail and file AV gateway	per user, per year
Domain controller, files	Samba, FreeRADIUS	GPL-3.0 / GPL-2.0	Windows Server AD, file services, NPS	per core + per-user CALs
Database	MariaDB	GPL-2.0	Commercial SQL server	per core
Drive, calendars, projects & chat	Nextcloud	AGPL-3.0	Hosted file sync and groupware	per user, per month
Office editing	Collabora Online	MPL-2.0	Office suite subscriptions	per user, per month
Meet	Jitsi Meet	Apache-2.0	Hosted video conferencing	per host, per month + dial-in
Telephony, relay	Asterisk, coturn	GPL-2.0 / BSD	Commercial or hosted PBX	per extension, per year
Object storage	MinIO-compatible S3	AGPL-3.0	Cloud object storage, backup vault	per TB, per month
Central logs	Grafana, Loki, Alloy	AGPL-3.0 / Apache-2.0	Log management service	per GB ingested
Base system	Debian 13, nginx, PHP, Python	Free software	Commercial server OS	per server or per core

Rose licence fees for every row: R0. The only licensed element is MikroTik RouterOS, included with the hardware. The optional AI assistant uses a metered model API with daily spend caps. Commercial licensing models are shown for comparison; actual vendor pricing varies by edition, term and user count.

07 · WHY IMPLY I.T.

Designed, built and supported in South Africa.

Proven in production
Designed, built and tested by Imply I.T. in South Africa; in production at a Durban client site.

End-to-end delivery
Hardware, migration from existing servers, cut-over and ongoing support.

Monthly update routine
Every image checked, rebuilt and tested before it is deployed.

AI-assisted support
Faster diagnosis and safer changes through the same guarded agent your administrators use.

08 · PRICING

Please email us with the configuration you would like and we will quote to your specifications. Below is what Imply I.T. has on offer.

PURCHASE

Rose Enterprise Data Server

12 TB storage

R 138 000,00

Once-off fee, including VAT

MANAGED SUPPORT

R 5 000,00 per month

RENTAL · 24 MONTHS

Rose Enterprise Data Server

12 TB storage

R 8 500,00

Per month for 24 months

MANAGED SUPPORT

Included every month

Talk to us about Rose

Send us your configuration for a quote.

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rose

POWERED BY Imply I.T. Business Solutions