Indoria Office
BY INDORIA TECHNOLOGIES PVT LTD

Deployment Guide

Web, Windows and Android clients connected to one Indoria Office server

Indoria Technologies Private Limited | Surajgarh, Jhunjhunu, Rajasthan, India | Version 1.0 | October 2026

Honest status: the server, web app and Windows shell were tested on Linux. The Docker image, the Windows installer on a real PC, the Android build with the real Android SDK, and e-mail over real TLS were not run during development. Follow section 9 (acceptance tests) after each step.

1. The one-server idea

```
   indoriaoffice.in  (one DNS name, one TLS certificate)
                     |
          Caddy (HTTPS) -> Node server -> SQLite + blobs  (/data)
                     ^
     +-----------+-----------+
   Browser     Windows app   Android app
   (website)   (Setup.exe)   (APK / Play)
```

You run one server. The website is served from it. The Windows and Android apps contain no data and no business logic; they open the same address. A user can start on a phone, continue on a laptop and see the same files and the same organisation settings.

2. What you need

- A small Linux server (2 vCPU, 4 GB RAM, 40 GB disk is plenty to start) with a public IPv4 address. Any provider works.
- A domain or sub-domain, for example indoriaoffice.in, with an A record pointing to the server.
- Docker and Docker Compose, or Node.js 22+ with systemd.
- An SMTP account for e-mail (Amazon SES, Zoho, Gmail Workspace, Brevo, your host). Optional at first.
- For Windows: a Windows PC or GitHub Actions. For Android: GitHub Actions or Android Studio. For Play Store: a Google Play developer account.

3. Server with Docker (recommended)

1. Install Docker: curl -fsSL https://get.docker.com | sh

2. Copy the project folder to the server, for example /opt/indoria-office.

3. cp .env.example .env and edit: DOMAIN, PUBLIC_URL (https://...), PLATFORM_ADMINS (your e-mail), SIGNUP_MODE, SMTP_* settings.

4. Start: docker compose up -d --build

5. Open https://indoriaoffice.in. Caddy obtains the HTTPS certificate automatically (ports 80 and 443 must be open).

6. Create your own account first (you become owner of the first organisation). Then add your e-mail to PLATFORM_ADMINS if you did not, and restart: docker compose restart.

7. Set SIGNUP_MODE=invite (restart) so strangers cannot create organisations.

```
DOMAIN=indoriaoffice.in
PUBLIC_URL=https://indoriaoffice.in
PLATFORM_ADMINS=contact@indoriatechnologies.in
SIGNUP_MODE=invite
REQUIRE_VERIFIED=true
SMTP_HOST=smtp.hostinger.com
SMTP_PORT=587
SMTP_SECURE=starttls
SMTP_USER=contact@indoriatechnologies.in
SMTP_PASS=the mailbox password from your e-mail provider
SMTP_FROM=Indoria Office <contact@indoriatechnologies.in>
```

4. Server without Docker (systemd)

1. Install Node.js 22 or newer. Create a user: useradd -r -m indoria.

2. Copy the project to /opt/indoria-office and run: node server/index.js once to test (it listens on port 8080 by default; set PORT to change).

3. Copy deploy/indoria-office.service to /etc/systemd/system/, put your settings in /etc/indoria-office.env, then systemctl enable --now indoria-office.

4. Install nginx or Caddy and use deploy/nginx-office.conf or deploy/Caddyfile as the starting point; get a certificate with certbot if using nginx.

5. Windows app

5.1 Build the installer

- **With GitHub Actions (no Windows PC needed):** push the project to GitHub, open Actions > "Build Windows installer" > Run workflow. Download the artifact Indoria-Office-1.3.0-Setup.exe. (A Node.js 20 deprecation warning in the log is harmless.)
- **On a Windows PC:** install Node.js 22, open a terminal in the desktop folder, run npm install, then npm run dist:win. The installer appears in desktop\dist.

5.2 Point it at your server

- Fill in server_url when you run the GitHub workflow (or set the repository variable INDORIA_SERVER_URL), or edit desktop/config.default.json before a local build - users then never see a setup screen.

- Or leave it empty: the app asks for the address on first start. http is accepted only for localhost and private network addresses; everything else must be https.
- IT departments can force an address with the INDORIA_SERVER_URL environment variable.

5.3 Distribute

- Put the Setup.exe on a download page, a shared drive, or push it with Group Policy / Intune.
- Without a code-signing certificate Windows SmartScreen shows "unknown publisher" (More info > Run anyway). Buy an OV or EV code-signing certificate and add it to the build to remove this.
- Log file for support: %APPDATA%\Indoria Office\indoria-office.log (also Help > Open log).

6. Android app

6.1 Build

- **With GitHub Actions:** Actions > "Build Android app" > Run workflow, fill in server_url. It produces a debug APK and, when the signing secrets exist, a signed release APK and AAB. Pushing a tag like v1.0.0 also starts the build.
- **With Android Studio:** open the android folder. Build with ./gradlew assembleDebug -PserverUrl=https://indoriaoffice.in (APK at app/build/outputs/apk/debug).

6.2 Sign for release

1. Create a keystore: keytool -genkeypair -v -keystore indoria.jks -alias indoria -keyalg RSA -keysize 2048 -validity 10000

2. Keep the keystore and passwords safe and backed up. If lost, you can never update the app on Google Play.

3. GitHub: add repository secrets ANDROID_KEYSTORE_BASE64 (the .jks file encoded with base64), ANDROID_KEYSTORE_PASSWORD, ANDROID_KEY_ALIAS, ANDROID_KEY_PASSWORD. Local build: set INDORIA_KEYSTORE (file path), INDORIA_KEYSTORE_PASSWORD, INDORIA_KEY_ALIAS, INDORIA_KEY_PASSWORD.

4. Build ./gradlew bundleRelease -PserverUrl=https://... and upload the .aab to Google Play Console (new apps must use AAB).

6.3 Google Play checklist

- Developer account (one-time US$25 fee).
- Store listing: name, short and long description, 512x512 icon (brand/png/indoria-suite-512.png), feature graphic 1024x500 (create from the social card), at least 2 phone screenshots.
- Privacy Policy URL: https://indoriaoffice.in/legal/privacy.html.
- Data safety form: collects name, e-mail and user files; data encrypted in transit; users can request deletion; no data sold; no ads.
- Content rating questionnaire; target audience. If children under 13 (and in India under 18 for data law) are in the audience, follow the Families policy.
- Test with at least 3 real devices before submitting.

6.4 Without the Play Store

Share the signed APK directly. Users must allow "install from this source" once. Updating means sharing a new APK.

7. Operations

7.1 Backups

- Everything lives in the data folder (/data in Docker): indoria.db and blobs/.
- Run node server/scripts/backup.js <target-folder> (with Docker: docker compose exec -T app node server/scripts/backup.js /data/backups/$(date +%F); the host folder is ./data). It writes a consistent copy of the database and the blobs.
- Schedule it daily with cron, copy to another machine or object storage, keep 30 days.
- Restore: stop the server, put the backup into the data folder, start. **Test a restore before you launch.**

7.2 Updates

- Back up, copy the new project files, then docker compose up -d --build. The database upgrades itself.
- Web and mobile/Windows shells pick up new pages automatically because they load from the server. Rebuild the Windows or Android shell only when the shell itself changes (rare).

7.3 Monitoring

- Uptime check: GET https://indoriaoffice.in/api/config should return JSON 200.
- Logs: docker compose logs -f app. Disk space: alert at 80%.
- Review Admin > Platform for storage and organisation totals.

7.4 Security hardening

- Firewall: allow only 80 and 443 (and SSH from your IP).
- Automatic OS security updates; SSH keys only.
- Keep SIGNUP_MODE=invite on private servers; keep REQUIRE_VERIFIED=true when SMTP works.
- Never run the server over plain http on the internet - the session cookie needs https.

8. Environment settings reference

Setting	Default	Meaning
DOMAIN / PUBLIC_URL	-	Public name; https URL used for links and cookies
PLATFORM_ADMINS	empty	E-mails allowed to open the Platform tab
SECURITY_CONTACT	empty	For example mailto:security@yourdomain.in. When set, /.well-known/security.txt is published so researchers know where to report a problem
SIGNUP_MODE	open	open / invite / closed
REQUIRE_VERIFIED	false	Require e-mail confirmation before sign-in
DEFAULT_QUOTA_MB	1024	Storage per new organisation
MAX_FILE_MB	50	Largest single file

SESSION_DAYS	30	Sign-in lifetime
SMTP_HOST, PORT, SECURE, USER, PASS, FROM	empty	Outgoing mail; without it mails are kept in the outbox table

9. Acceptance tests after deployment

#	Test	Expected
1	Open https://indoriaoffice.in in a browser	Login page, padlock shown
2	Create an account and organisation	Launcher shows five apps
3	Open IndoWrite, type, File > Save to Indoria Cloud	File appears in Drive
4	Sign in on a phone browser, open the file from Drive	Same file opens
5	Install Windows app, enter server address, sign in	Same launcher and same Drive file
6	Install Android app, sign in	Same launcher and same Drive file
7	Invite a second person, accept on another device	Joins organisation, sees shared file
8	Admin > Apps: turn off IndoSlide	Tile disappears; direct link to slide.html is refused
9	Forgot password flow (needs SMTP)	E-mail arrives, reset works
10	Run backup script and restore on a test machine	Data identical
11	Open IndoCRM, save business settings, make a contact and an invoice, print it	Number INV/<year>/0001, correct CGST/SGST or IGST, printable page
12	Admin > Platform > Set plan to standard for a test organisation	CRM plan limits change

10. Troubleshooting

Symptom	Cause / fix
Windows app shows a blank window	Server address wrong or unreachable; File > Change server; press F12 and read the console; read the log file
Cannot sign in on the app but website works	Wrong server address in the app, or the clock is far off; check PUBLIC_URL matches the address users type
Cookies not kept / login loop	Site is served over http; use https
No e-mails arrive	SMTP settings wrong; check Outbox table or server logs; try port 465 with SMTP_SECURE=tls
Caddy cannot get certificate	DNS not pointing to the server yet or ports 80/443 blocked
Android: "cleartext not permitted"	Server must be https (only localhost/private IPs may use http in debug builds)

Addendum: settings added in 1.4

Setting	Default	Meaning
ALLOWED_APPS	all	Comma list (write,grid,slide,pad,pdf,crm) of apps this server offers. Leave out crm to run the Office edition

PLAY_STORE_LIVE	0	Set to 1 when the Play Store apps are live; the download page then shows the store buttons
CONTACT_TO	contact@indoriatechnologies.in	Where website contact messages are emailed (they are always saved in the inbox as well)

Build the website once and after every change of wording: PUBLIC_URL=https://your.domain node tools/build-site.js --manuals <folder with the PDFs>, then restart the server. See document 41.