

04-drawio.md

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tags: [drawio, diagrams,
productivity]

Overview

Draw.io (now diagrams.net) is a self-hosted diagramming application for creating network diagrams, flowcharts, architecture diagrams, and more. This instance is stateless — diagrams are saved locally by the browser or to connected storage (Google Drive, OneDrive, etc.), not on the server. External-only access with GeoBlock and CrowdSec.

Access

Type	URL	Auth
External	<code>https://drawio.jeeves5454.ddns.net</code>	GeoBlock + CrowdSec (no auth)

No authentication middleware — Draw.io is accessible to anyone who bypasses GeoBlock. The app itself has no user accounts.

Configuration

Image: `jgraph/drawio:latest`

Runtime: Java 11 / Apache Tomcat

Key Environment Variables

Variable	Value / Notes
<code>DRAWIO_BASE_URL</code>	<code>https://drawio.jeeves5454.ddns.net</code>
<code>PUBLIC_DNS</code>	<code>drawio.jeeves5454.ddns.net</code>
<code>DRAWIO_GOOGLE_CLIENT_ID</code>	<code>jeeves5454@gmail.com</code> (Google integration)
<code>LETS_ENCRYPT_ENABLED</code>	<code>false</code> (TLS handled by Traefik)

Traefik Labels

```
traefik.http.routers.drawio.rule: Host(`drawio.jeeves5454.ddns.net`)
traefik.http.routers.drawio.entrypoints: websecure
traefik.http.routers.drawio.tls.certresolver: letsencrypt
traefik.http.routers.drawio.middlewares: plex-geoblock@file,crowdsec-bouncer@file,drawio-headers
traefik.http.middlewares.drawio-headers.headers.customrequestheaders.X-Forwarded-Proto: https
traefik.http.services.drawio.loadbalancer.server.port: 8080
```

Volumes / Bind Mounts

None — Draw.io is completely stateless. All diagram data is stored client-side (browser localStorage or connected cloud storage).

Notes / Gotchas

- `LETS_ENCRYPT_ENABLED=false` is correct — Traefik handles TLS termination. The Draw.io container itself serves plain HTTP on port 8080.
- The `X-Forwarded-Proto: https` header is required so Draw.io generates correct HTTPS URLs for embedded resources and exports.
- Diagrams are not stored on the server. To preserve diagrams, save them to a local file (`.drawio` / `.xml`) or configure a cloud storage backend in the Draw.io UI.
- `DRAWIO_GOOGLE_CLIENT_ID` enables the Google Drive integration in the file picker. Users must authorise their own Google account in the app.

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