

AUTODOC ENTERPRISE

On-Premise Deployment, Setup & Administrator Guide

Target: On-Premise Docker & Air-Gapped Internal Servers | **Architecture:** Single Unified Pro Tier | **Portal:** zerofusion.dev

1. SYSTEM OVERVIEW & ARCHITECTURE

AutoDoc Enterprise is an on-premise, air-gapped document automation engine built for corporate departments (HR, Legal, Finance). It merges dynamic CSV spreadsheets into standard Microsoft Word (`.docx`) templates in memory, generating secure, batch-customized ZIP archives in seconds.

- **100% Data Privacy (Air-Gapped):** All document rendering, file uploads, and data manipulations remain completely local within your infrastructure. Zero document or customer data ever leaves your servers.
- **Cryptographic Phone-Home Licensing:** Periodically validates active licenses or 7-day evaluations via outbound HTTPS requests to Google Cloud Firestore.
- **2FA Admin Vault:** Enforces Time-Based One-Time Password (TOTP) multi-factor authentication for administrators at `/autodoc-vault-admin-99/`.

2. OBTAINING KEYS & SECRETS BEFORE DEPLOYMENT

Required Keys at a Glance:

1. **LICENSE_KEY:** The evaluation or enterprise license key (e.g. `AUTODOC-TRIAL-XXXXXXXXXXXX`).
2. **SECRET_KEY:** The cryptographic signing secret used by Django to secure user sessions and CSRF tokens.

Step A: Generate Your 7-Day Free Trial License Key

Visit the public portal at zerofusion.dev, navigate to the **AutoDoc Enterprise** card, and click "Get Trial Key". The portal instantly creates a 7-day Pro license in Firestore and displays your key on screen:

```
AUTODOC-TRIAL-8F2A39B1C04E
```

Step B: Generate Your Application Security Secret (SECRET_KEY)

Django requires a unique 50+ character random string to cryptographically sign session cookies and prevent tampering. You can generate one on any machine using Python or OpenSSL:

```
# Option 1: Using Python 3 (Recommended)
python3 -c 'import secrets; print(secrets.token_urlsafe(50))'

# Option 2: Using OpenSSL
openssl rand -base64 48
```

3. PRODUCTION DOCKER DEPLOYMENT

Method 1: Single-Command Docker Run (Fastest Evaluation)

Run AutoDoc directly by passing the generated keys via environment variables:

```
docker run -d --name autodoc-enterprise -p 8000:8000 -e SECRET_KEY="$(python3 -c 'import secrets; print(secrets.token_urlsafe(50))')'" -e LICENSE_KEY="AUTODOC-TRIAL-YOURKEYHERE" -e LICENSE_VERIFY_URL="https://europe-west1-zerofusion-prod.cloudfunctions.net/autodoc-license-check" -v autodoc_data:/app/data -v autodoc_media:/app/media europe-west1-docker.pkg.dev/zerofusion-prod/autodoc-enterprise-repo/autodoc-enterprise:latest
```

Method 2: Docker Compose (Recommended for Production)

1. Create `.env` configuration file:

```
SECRET_KEY=paste_your_generated_50_char_secret_key_here
LICENSE_KEY=AUTODOC-TRIAL-YOURKEYHERE
LICENSE_VERIFY_URL=https://europe-west1-zerofusion-prod.cloudfunctions.net/autodoc-license-check
DEBUG=False
ENABLE_LICENSE_CHECK=True
ENABLE_2FA=True
ALLOWED_HOSTS=autodoc.yourcompany.internal,localhost,127.0.0.1
DATABASE_PATH=/app/data/db.sqlite3
```

2. Create `docker-compose.yml` :

```
version: '3.8'
services:
  web:
    image: europe-west1-docker.pkg.dev/zerofusion-prod/autodoc-enterprise-repo/autodoc-enterprise:latest
    container_name: autodoc_web
    restart: always
    ports:
      - "8000:8000"
    env_file:
      - .env
    volumes:
      - autodoc_data:/app/data
      - autodoc_media:/app/media

volumes:
  autodoc_data:
  autodoc_media:
```

3. Start the application & initialize admin:

```
# Launch container in background
docker compose up -d

# Create initial System Administrator account
docker compose exec web python manage.py createsuperuser
```

4. 2FA VAULT ADMINISTRATION & USER SETUP

Administrative features are protected behind an obscured URL: `http://your-server:8000/autodoc-vault-admin-99/`.

1. Log in with your superuser credentials created during setup.
2. Under **OTP_TOTP** → **TOTP devices**, click **Add TOTP device**.
3. Assign the device to your admin user and click **Save**.
4. Click **qrcode** next to the device name to scan into Google Authenticator or 1Password.
5. On subsequent logins, enter the 6-digit TOTP code to access the vault.

5. WORD TEMPLATE AUTHORIZING & CSV MERGING

AutoDoc utilizes double curly braces `{{ variable_name }}` for placeholders within standard Word (`.docx`) documents:

```
Dear {{ employee_name }},
Your compensation for {{ effective_year }} is {{ salary_amount }} EUR in {{ department_name }}.
Sincerely, {{ manager_name }}
```

Matching CSV Spreadsheet Header:

```
employee_name,effective_year,salary_amount,department_name,manager_name
Jane Doe,2026,75000,Engineering,John Smith
Mark Johnson,2026,68000,Human Resources,Sarah Connor
```

6. SUPPORT & INQUIRIES

For enterprise licensing, SLA agreements, or custom deployment architecture inquiries, contact engineering at admin@zerofusion.dev or visit zerofusion.dev.