

Technical data sheet: Data security & infrastructure

LexLogik - The sovereign solution for holders of professional secrecy

Review note: This document summarises the technical and organisational measures (TOMs) of the LexLogik platform. To simplify your due diligence, you have direct access below to the printable fact sheet and the current DPR template (PDF), including technical annexes.

1. Quick check for IT review

- Cloud model: 100% private cloud (no use of US hyperscalers such as AWS/Azure/Google).
- Encryption: TLS 1.3 (in transit) / AES-256 (data at rest and session partitions).
- Storage paradigm: Zero-retention (no persistent storage of content data).
- AI infrastructure: Local inference on our own hardware (no third-party APIs / no OpenAI).
- Server locations: Nuremberg & Falkenstein, Germany.
- Compliance: Aligned with the EU GDPR and Irish solicitor confidentiality.

2. Hosting & digital sovereignty

LexLogik is designed to keep core processing outside the direct scope of non-European jurisdictions, specifically reducing exposure to the US CLOUD Act.

- Infrastructure: Operation on dedicated hardware in German high-security data centres (partner: Hetzner Online GmbH).
- Certification (hosting): The data centres we use from hosting partner Hetzner Online GmbH are certified to ISO 27001.
- Network security: Multi-tier firewall architecture. Administrative access only via encrypted VPN tunnels and multi-factor authentication (MFA).

3. The LexLogik data cycle (zero-retention)

Our architecture is designed to minimise the risk of data theft by technically avoiding persistent storage.

- Transport: End-to-end encryption via TLS 1.3.
- Processing: Document optimisation and text extraction run in volatile RAM instances or on temporarily encrypted session partitions.
- Automated purge: Immediately after processing completes and the download is provided, source file and result are deleted without recovery. No backups of client data are created.
- Metadata separation: Content data is strictly separated from administrative metadata (e.g. timestamps for audit logging).

4. Sovereign AI architecture (no-API policy)

Unlike standard solutions, LexLogik does not transfer data to external AI providers.

- Local model hosting: Our dual OCR engines and legal AI run as containerised instances directly on our hardware in Germany.
- No AI training: Customer data is never used to train or improve AI models. All models are statically pre-trained.

5. Compliance & legal framework

LexLogik is built for holders of professional secrecy to reduce the risk of organisational fault for law firm partners.

- Solicitors Acts & LPP: Technical safeguards support solicitors' confidentiality and Legal Professional Privilege when engaging service providers.
- Staff compliance: All staff with system administration access are contractually bound to data secrecy and the special duties applicable to handling privileged legal material.

6. Client isolation & logical separation

- Tenant isolation: Processing runs in strictly isolated container instances. Data paths for different users can never mix at the technical level.

- Logical access control: Access to processing resources is governed by a granular permission model based on least privilege.

7. Availability & resilience

- Redundancy: Using Nuremberg and Falkenstein sites provides geographic redundancy. If one site fails, the service remains available via the other.
- DDoS protection: The infrastructure is shielded by specialised scrubbing centres against distributed denial-of-service attacks to keep the service reliably reachable for firm operations.

8. Incident management & auditing

- Incident response: There is a defined process to identify, report, and remediate security incidents in line with Art. 33 GDPR.
- Logging: System events (logins, API calls) are recorded in an audit-ready way to deter abuse. Important: these logs contain only technical metadata - never content data from your documents.

9. Zero-access policy for support

- Administrative exclusion: Our staff have no technical insight into volatile session content during processing. Support access to user accounts happens only after explicit customer approval and is fully documented.

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Applies to: All current instances (Counsel, Professional, Enterprise)