

Vendor Security, Data Custody & Network Audit Brief

Technical memorandum for Chief Information Security Officers (CISOs), IT Administrators, and Compliance Officers evaluating Papryx Desktop for corporate deployment.

1. CORE EXECUTION MODEL: 100% ON-DEVICE

Unlike cloud-hosted SaaS PDF services (e.g., Adobe Document Cloud, Smallpdf, iLovePDF) that ingest documents onto multi-tenant remote clusters, **Papryx Desktop processes all document content entirely on the user's physical machine.** All 24+ document tools including inline text modification, table extraction to Excel, Tesseract OCR, compression, and permanent vector redaction are strictly bound to the local loopback interface (`127.0.0.1`). Zero bytes of document content ever leave the workstation.

2. SOVEREIGN DATA CUSTODY & COMPLIANCE MATRIX

EU GDPR (Articles 25 & 28)

Complies with Privacy by Design & Default (Art. 25). Zero third-party document sub-processors under Art. 28 because document content never leaves local hardware.

India DPDPA 2023

Preserves sovereign data custody. Ensures zero unauthorized cross-border transmission of confidential personal or financial records.

US HIPAA Security Rule

Confines Protected Health Information (e-PHI) to the covered entity's physical workstation, eliminating third-party cloud data repository risks.

Commercial Non-Disclosure Agreements

Enables legal counsel, auditors, and investment bankers to edit client balance sheets and M&A contracts without violating non-disclosure covenants.

3. INDEPENDENT IT NETWORK AUDIT RECIPE

Enterprise IT administrators can independently audit and verify zero document egress using standard native diagnostic utilities:

```
// Windows Audit via Resource Monitor:
1. Run resmon.exe → Network Tab → Filter by Papryx.exe.
2. Perform large PDF text editing, OCR scanning, or Excel conversion.
→ Verified Result: Network Send remains strictly 0 B/s.

// macOS Socket Audit via Terminal:
lsof -i -P | grep -E "Papryx|papryx-backend"
→ Verified Result: All sockets bound strictly to 127.0.0.1 (Loopback). Zero external WAN listeners.
```

4. GATED EXTERNAL NETWORK COMMUNICATION (DISCLOSURES)

- License Activation (TLS 1.3):** Connects strictly during activation to verify cryptographic seat tokens. Transmits only: one-way SHA-256 key hash, pseudonymous client-side hardware asset tags (EDPB Guidelines 01/2025), machine hostname, and app version. (0 bytes of document content or filenames).
- Differential Auto-Updates:** Checks for signed version manifests on Fastly CDN / GitHub Releases. Downloads delta blockmaps on Windows or prompts for direct DMG update on macOS.