Controlled, auditable application profile migration for Windows.

Manifest-driven backup & restore with preflight validation, diff-based dry runs, and a tamper-evident audit pipeline that forwards to your SIEM. 100% on-premise. No cloud. No telemetry.

70%	205 h	<2%	0	100%
Cost Reduction	Admin Hours Saved	Error Rate	Cloud Dependencies	Audit Coverage

Based on 250 devices, 8 apps each — vs. manual scripts. See ROI Summary.

THE PROBLEM

During Windows rollouts, up to 15% of migrations fail due to registry and permission issues. Standard tools (USMT, scripts) provide no validation, no change preview, and no audit trail. USMT has been deprecated since Windows 11 24H2.

CORE CAPABILITIES

- **Dry Run with Diff Report**
  Full simulation against live system. Diff CSV shows every registry key, file, and ACL change before commit. Hash-linked to audit trail.
- **Event-Based Audit Pipeline**
  Structured events through queue-based pipeline with per-sink delivery tracking, exponential backoff, and dead-letter handling.
- **Path Mapping Engine**
  Declarative XML rules rewrite registry and file paths during import. Handles username, drive letter, SID, and directory changes.
- **SIEM Integration**
  CEF, JSON, LEEF via HTTP. Syslog via UDP. Webhooks with HMAC-SHA256 signatures. Per-sink PII redaction policies.
- **Preflight Validation**
  9 precondition checks: admin rights, license, paths, schemas, disk space, SIEM connectivity, audit integrity.
- **CLI Automation**
  Export, import, preflight, compliance reporting. Structured exit codes (0-5). JSON run reports. Whitelist-based parameter validation.

PROJECT TYPES

- Windows 10 to 11 migration (PC replacement, VDI, staged rollouts)
- Domain migration (AD restructuring, SID mapping)
- Tenant migration (M&A, Azure AD, hybrid scenarios)
- Application version upgrades (partial profile migration)
- Regulated environments (ISO 27001, BSI, GDPR)

TECHNICAL FACTS

- .NET 8 | 4-layer architecture (Shared, Core, CLI, GUI)
- Zero third-party dependencies | Self-contained deployment
- Evaluation: all features, 2-app limit, no registration, no time limit

OPERATIONAL READINESS

- **Health Dashboard**
  Disk space, queue depth, SIEM connectivity, webhook status. Healthy / Degraded / Unhealthy per check.
- **Simulation Gate**
  GUI import disabled until simulation passes. Mapping changes reset simulation state. No override possible.

MSP BUSINESS CASE

10 customers, 500 devices each: 81% lower delivery costs, 3,730 admin hours freed, 124,000 EUR/year revenue potential from freed capacity. Partner discounts up to 50%. Per-customer onboarding cost under 2,000 EUR.

GOVERNANCE COMPARISON

Requirement	AppProfileSafe	USMT / Scripts
Pre-migration validation	●	●
Change preview (diff report)	●	●
Tamper-evident audit trail	●	●
SIEM forwarding	●	●
Compliance reporting	●	●
PII redaction engine	●	●
NTFS ACL preservation	●	○
Path remapping engine	●	○
GUI + CLI interfaces	●	○
Active product support	●	●

● Supported ○ Partial ● Not available

COMPLIANCE READINESS

ISO 27001 | BSI Grundschutz | GDPR / DSGVO | Internal Audit

SECURITY & ARCHITECTURE

- **100% On-Premise**
  No cloud backend, no telemetry, no outbound connections. Works in air-gapped environments without modification.
- **Tamper-Evident Audit**
  HMAC-SHA256 hash-chained CSV with sequence numbers. Integrity verified on every application startup. Any modification breaks the chain.
- **Redaction Engine**
  Per-sink policies hash, mask, or suppress PII fields before events leave the system. XSD-validated. Explicit opt-in per sink.
- **Atomic File Operations**
  Write-to-temp + atomic-move across audit log, event queue, and export archives. Single-instance mutex prevents concurrent access.
- **Cryptographic Licensing**
  RSA-PSS signed XML validated offline against embedded public key. Bound to AD domain SID or Azure tenant UUID. No license server.
- **Secret Resolution**
  HMAC keys, UNC credentials, SIEM tokens stored in Windows Credential Manager. Secrets never appear in config files or event payloads.

ROI SUMMARY (250 DEVICES, 8 APPS EACH)

Manual / Scripts	With AppProfileSafe
22,650 EUR	6,731 EUR
15% error rate | no audit trail	2% error rate | full audit coverage