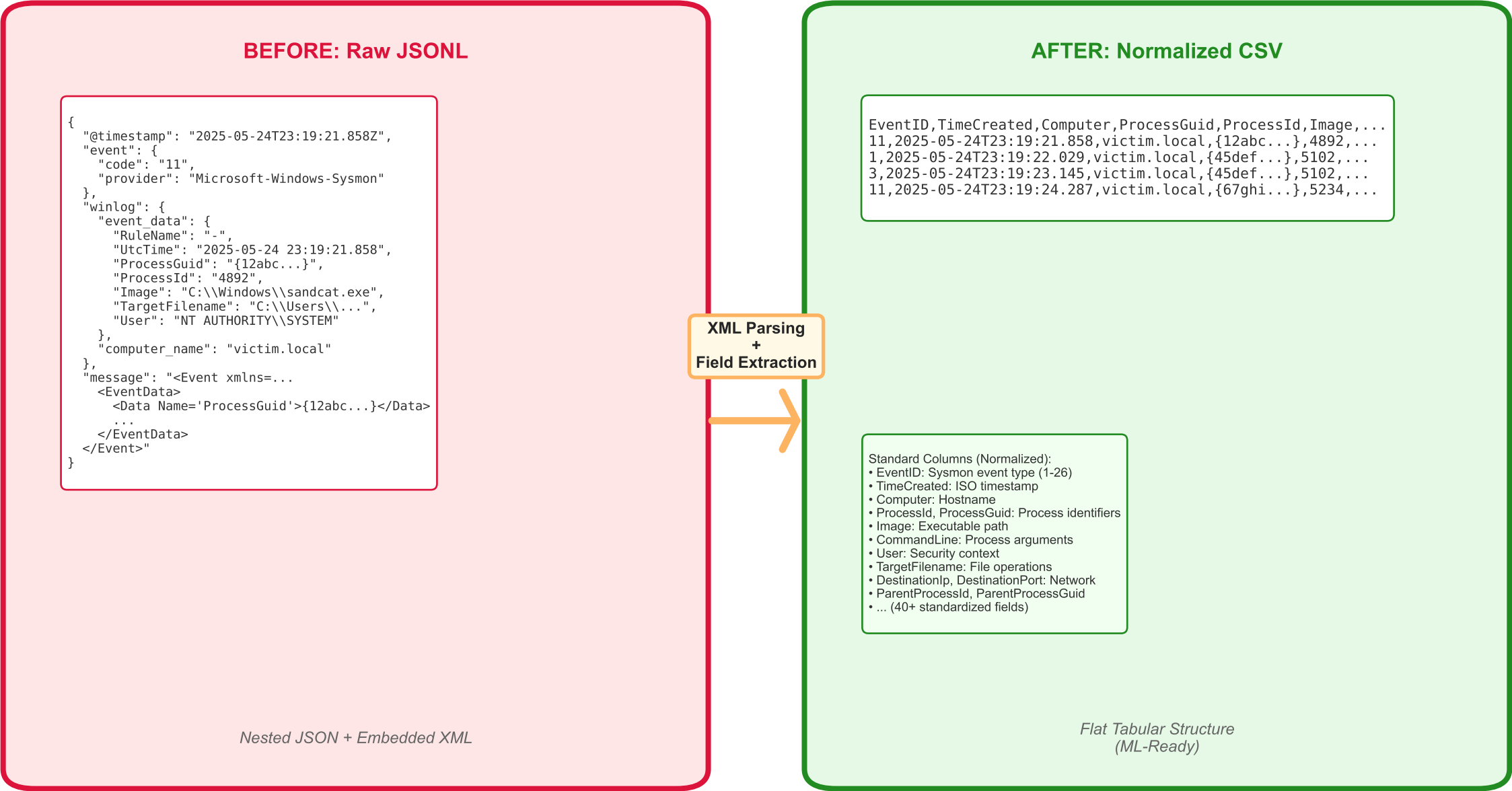


Figure 2.2: Sysmon Event Schema Transformation

JSONL (Nested XML) → CSV (Flat Normalized Schema)



- ❑ Consistent schema across all APT runs
- ❑ Efficient pandas DataFrame operations
- ❑ Direct CSV import to ML frameworks
- ❑ ~60% file size reduction vs. JSONL