

Risk Register

Atlas Industrial LLC – Risk Register (Stage 3: Risk & Threat Modeling)

1. Web Application Attack Surface (Tryton)

System: Tryton

Source: Tryton documentation cites brute-force login, SQL injection, and XSS as primary risks for browser-based ERP systems.

Tryton Documentation

Item	Details
Threat	Web-based attacks (brute force, XSS, SQL injection)
Vulnerability	Public-facing login page, weak input validation, outdated web components
Likelihood	High
Impact	High — ERP manages inventory, production workflows, customer data
CIA Impact	C: High, I: High, A: Medium
Risk Level	High
Mitigation	MFA, rate limiting, WAF rules, hardened Docker configuration, encrypted communication, secure coding settings

2. Database Service Exposure

System: PostgreSQL Database

Source: PostgreSQL documentation describes this as a major risk if port 5432 is exposed publicly.

PostgreSQL Documentation

Item	Details
Threat	External attacker exploiting exposed database port (5432)
Vulnerability	Open port exposure, brute-force attacks, SQL injection attempts
Likelihood	Medium (common attack vector)
Impact	High — Database holds financial, inventory, and customer data
CIA Impact	Confidentiality: High, Integrity: High, Availability: Medium

Item	Details
Risk Level	High
Mitigation	Firewall rules, network segmentation, disable remote access, enable TLS, strong passwords, change default port