

# SAP AI Governance â GUARD Framework Implementation

Practical governance controls to ensure AI systems in SAP landscapes are auditable, robust, and compliant.

## Problem

AI deployments can expose organizations to operational risk, bias, and regulatory scrutiny unless governance is embedded into the ML lifecycle.

## Solution

Implement GUARD: Governance, Understandability, Accuracy, Resilience, Data protection. Integrate checks into CI/CD, model registry, and runtime.

## 5-step Implementation

1. Define governance roles, policies, and approval gates
2. Instrument model cards and automated explainability
3. Build test harness with unit, integration, and regression tests
4. Deploy drift detection and auto-alerting with rollback thresholds
5. Ensure PII handling, encryption, and retention policies

## Key KPIs

- â Validation pass rate for candidate models: target 95% or higher
- â Mean time to remediate drift incidents: under 48 hours
- â Audit completeness: model cards and decision logs retained

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