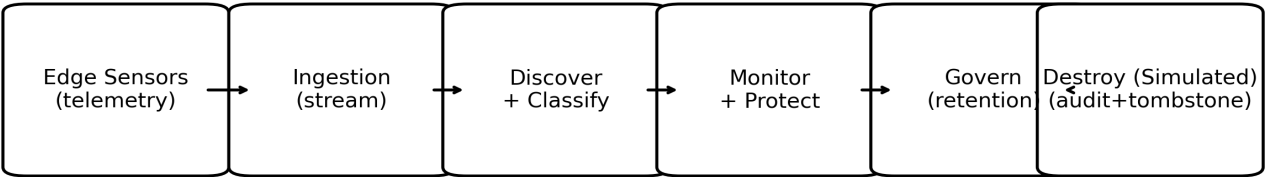


# DSPM for AIoT — Architecture Overview (v3.2)

This document summarizes a public reference architecture for applying DSPM principles to AIoT data pipelines spanning edge devices, streaming layers, and cloud systems. It includes an execution-ready notebook flow.

## Architecture Diagram



## DSPM Lifecycle Mapping

DSPM Phase	Implementation in v3.2
Discover	Edge telemetry and streaming data discovery
Classify	Sensitivity and PII tagging; risk scoring
Monitor	Access signals (simulated) and drift indicators
Protect	Policy gates (intent) and control recommendations
Govern	Retention and lineage modeling using a YAML policy file
Destroy	Simulation only: audit logs, tombstones, deletion plans (no hard delete)

## Key Design Decisions

- Public-safe by default:** no credentials, no destructive calls, no provider-specific delete APIs.
- Governance intent vs. execution:** policies produce a deletion plan and tombstones rather than hard delete.
- Interview-ready:** notebooks provide deterministic outputs, audit logs, and explainability.