

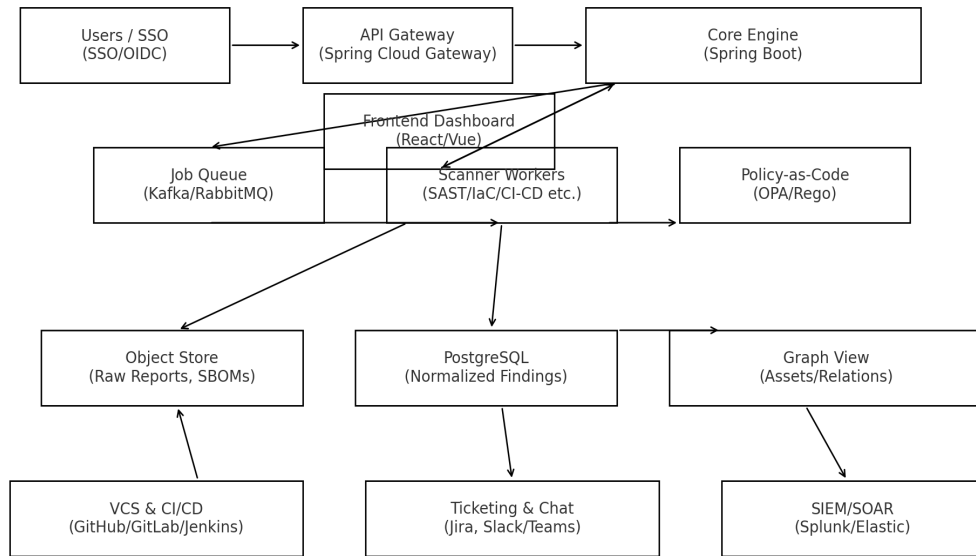
Security Orchestration & Risk Platform - High-Level Design (HLD)

Architecture • Threat Model • Data Model • Risk Scoring • Deployment • Roadmap

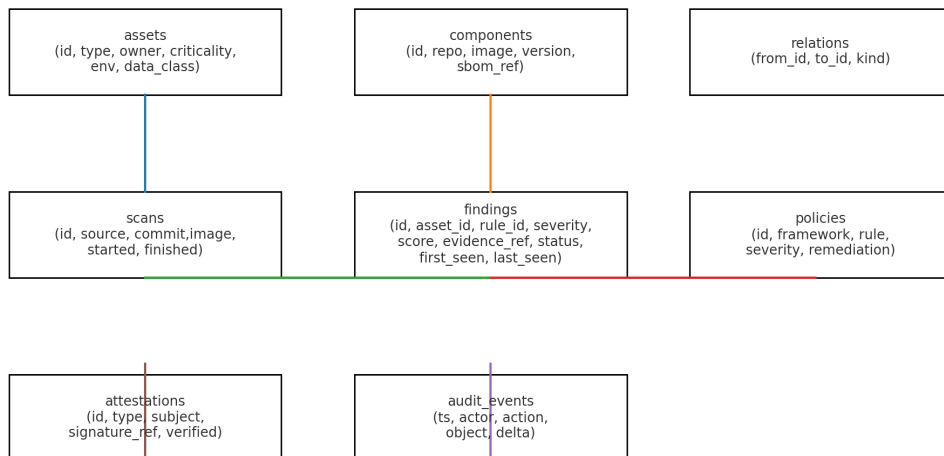
Executive Summary

This document defines the high-level design for a modular security orchestration platform that discovers, scans, and prioritizes architectural risks across code, pipelines, containers, cloud/Kubernetes, and external exposure. The platform emphasizes Zero Trust, Policy-as-Code, evidence-driven governance, and an asset/relationship graph to highlight blast radius and attack paths.

Architecture Overview

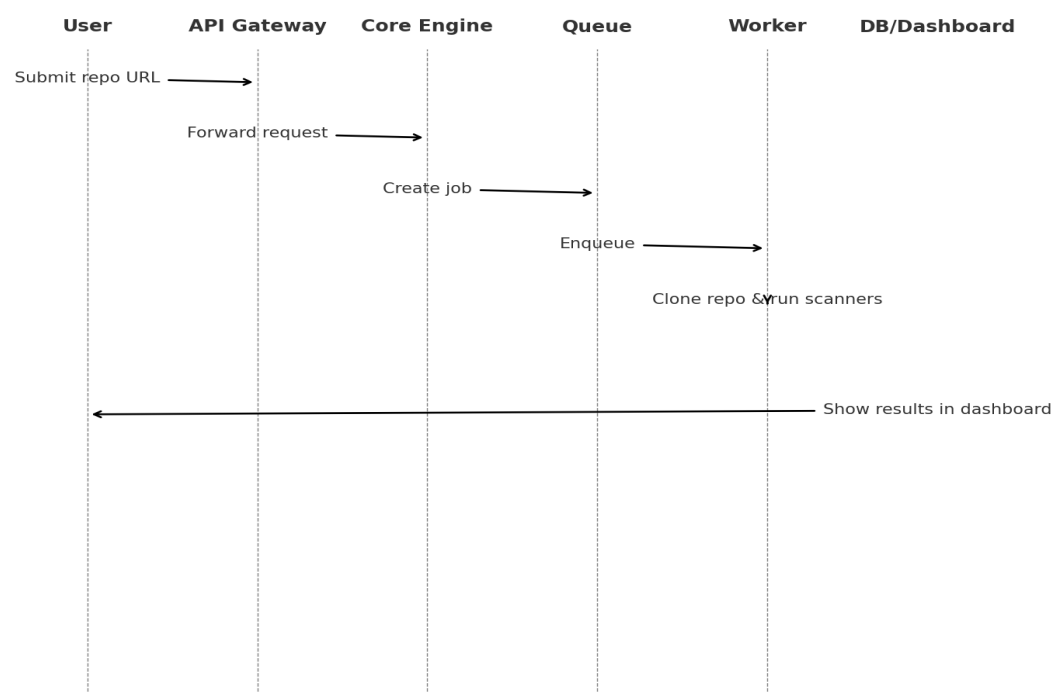


Data Model

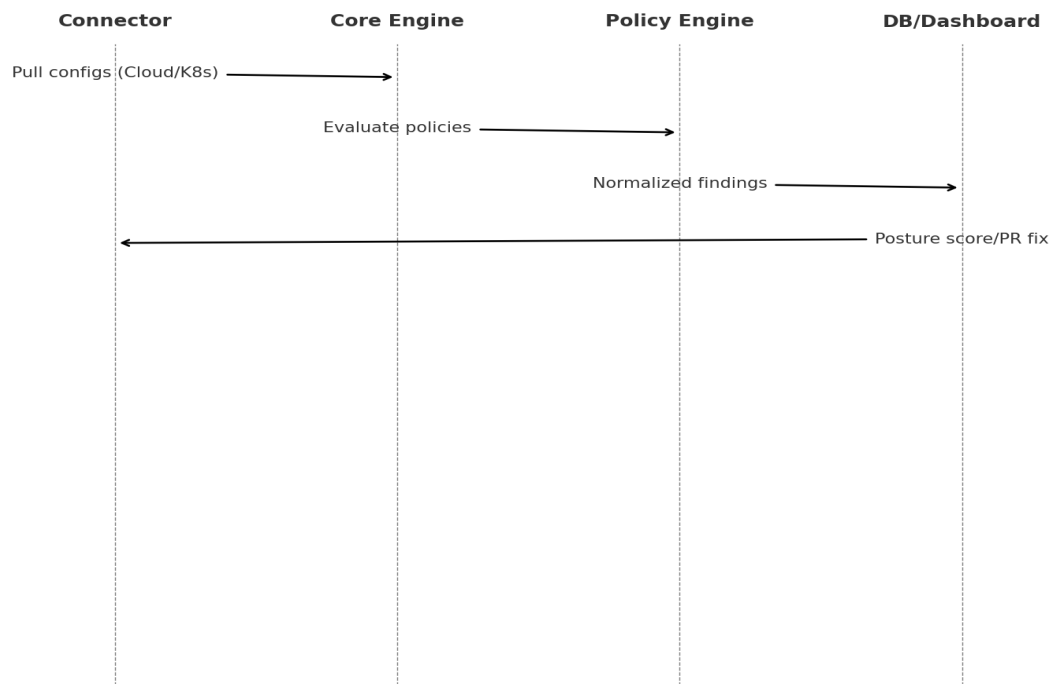


Sequence Diagrams

Repo Scan Sequence



Cloud/K8s Scan Sequence



Example Attack Path Graph

Example Attack Path Graph

