Moderne

Deterministic change across thousands of repositories

Moderne Platform Enterprise and Standard Editions

Why does a large retailer have Spring Boot versions ranging from legacy 1.3 to 3.x across their estate? Modernizing, upgrading, and securing code is hard at scale, and probabilistic AI models alone don't make that easier.

The Moderne Platform ingests your repositories as Lossless Semantic Trees (LSTs) and runs deterministic recipes that transform thousands of them at once. The Moderne CLI and agent tools (context, search, and recipes) come with the platform, so an estate-wide campaign and a developer with an agent run against the same LSTs and the same recipes.

638% ROI

A federal technology agency recovered more than 7x its investment, compounding with every migration.

10 person-years

Estimated savings on OWASP Top 10 remediation at a global bank with 50,000+ repos and billions of lines of code.

3,500+ repos

A global retailer ended Spring Boot sprawl from 1.3 to 3.x in weeks, and now a repeatable process to stay current.

2,000x fewer tokens

A Java 25 upgrade: 30K tokens with recipes, against 65M for agents alone.

How change moves across the estate

One recipe, thousands of repositories, tracked to completion. Then the merged code builds again and the estate refreshes itself.

01

Build publishes

Mass ingest builds an LST for every repo and stores it in your artifact repository.

02

Moderne refreshes

The Connector reads new LST artifacts and refreshes the platform's internal state.

03

Run the change

A developer or an agent runs a recipe across every LST in scope at once.

04

Review and commit

Developers review diffs and issue PRs, commits, etc. Nothing merges on its own.

Hybrid SaaS architecture at work

YOUR ENVIRONMENT

Where your code lives

- **Source control**
  GitHub, GitLab, Bitbucket, Azure DevOps, cloud or on premises.
- **Artifact repository**
  Your LST store, alongside your binaries.
- **Identity provider**
  Your SSO governs who sees which repositories.
- **Developers and agents**
  Access via browser, CLI, MCP.

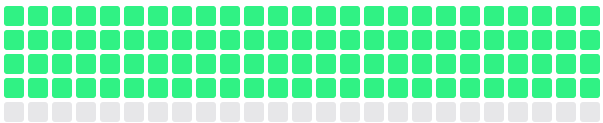
Moderne Connector
EGRESS ONLY

MODERNE PLATFORM ENTERPRISE EDITION

Your tenant

Object storage
Encrypted LSTs, data tables, telemetry, and audit logs.

Coordinated analysis and change across the estate



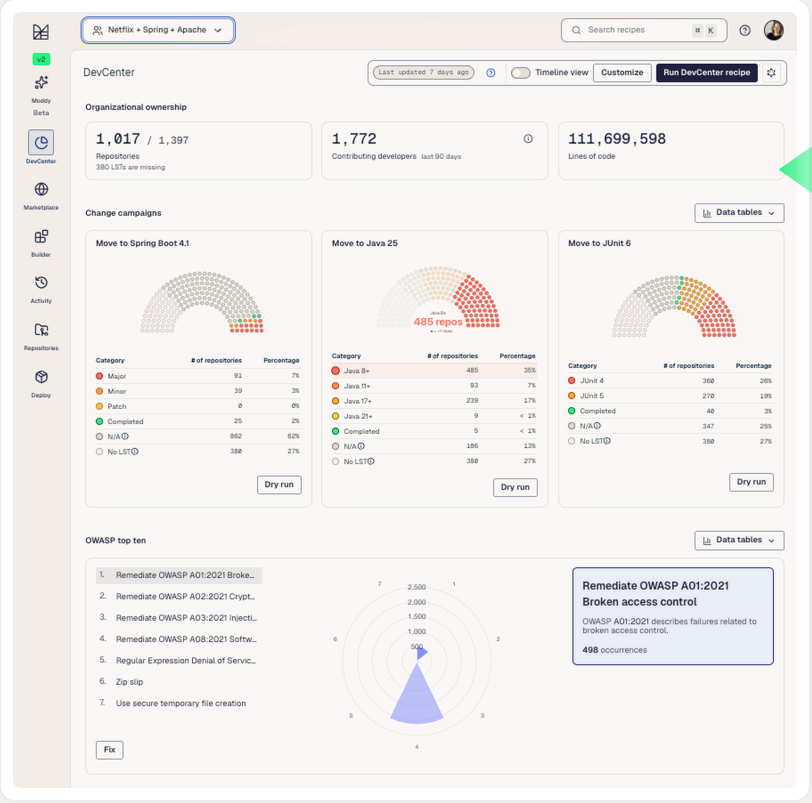
Your source code never leaves your environment. Moderne works on encrypted LSTs — a compiler-accurate model of every repository, in every language you build.

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Mission control for change at scale

The Moderne Platform includes automated, distributed code analysis and transformation, and the mission control that runs it: campaigns scoped by organization, code intelligence dashboards, PR management across every SCM, and a record of what changed and who approved it.



- **OrgLayer**
  Repositories grouped as the business is structured. All activities managed through this lens.
- **DevCenter**
  Org dashboard of code coverage, campaign progress, and security posture, with timeline view.
- **Changelog**
  One review surface across every SCM. Changesets tracked together.
- **Recipe catalog**
  10,000+ deterministic recipes, open source and Moderne's own, searchable and composable.
- **Recipe builder**
  Compose and adapt recipes in the platform, then run them across the estate.
- **Telemetry**
  Structured usage data — recipe runs, builds, and commits — imported to your BI stack.

Standard and Enterprise editions

Both editions provide full, unlimited access to everything above. They differ in implementation, so you can match the deployment to what your organization requires.

STANDARD

Multi-tenant SaaS

A secure shared environment with no private infrastructure to run.

ENTERPRISE

Hybrid SaaS

A private, fully isolated tenant paired with your on-premises environment; use your existing security controls.

	STANDARD	ENTERPRISE
Tenancy	Shared multi-tenant	Private, fully isolated
Encryption keys	Moderne's	Yours
Source control	Cloud	On premises or cloud
Identity	Cloud SCM authentication	Your identity provider

Need air-gapped? Check out Moderne DX, for enterprises requiring fully on-premises environments.

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