



# DataOps

Reliable, governed data delivery for trusted AI

## Overview

Successful AI and analytics initiatives are now critical to modern organizations, yet many struggle to reliably deliver trusted data at speed and scale. Fragmented pipelines, manual processes, and inconsistent operational practices introduce instability, delays, and compliance risk. Data teams are often overwhelmed by firefighting, governance pressures, and audit demands while simultaneously being asked to scale analytics and AI initiatives without adding headcount or compromising delivery velocity. These challenges erode trust in data, slow innovation, and increase business risk.

Flexential DataOps is an expert-led service that operates data pipelines and the platforms they run on through automation, governance, and 24x7x365 support. It improves the speed, reliability, and security of data delivery. Governance and operational discipline are embedded directly into pipeline workflows, enabling organizations to deliver trusted and AI-ready data at scale.

## Problems we solve

DataOps addresses the most common operational and governance challenges facing data-driven organizations:

- Increased operational risk from untrustworthy AI outputs and analytics
- Data silos and fragmented pipelines prevent a unified view and cause inconsistent delivery
- Low trust data due to unclear ownership, inconsistent definitions, and weak quality controls
- Operational instability from ad hoc changes, insufficient monitoring, and inconsistent routines
- Compliance and audit exposure from manual, undocumented, or non-repeatable data handling



DataOps orchestration and automation ensure that enforcement is consistently applied at the right time and in the right place across the data operations life cycle. Policies are now implemented into executable code.”

“Implement DataGovOps by codifying data governance policies as machine readable templates and executable components, such as data contracts, that can be versioned, validated and deployed through automated pipelines.”

### Gartner

Use These 5 DataOps Practices to Drive Collaboration and Governance, 30 July 2025

## Key features

DataOps delivers a comprehensive, managed capability set across pipelines and platforms:

- Lean-Agile delivery model with industry-proven DevOps methodologies
- Structured Onboarding, Build, Modernize, Operate, Manage, & Support phases
- Operational runbooks, evidence reporting, and reusable templates and components
- DataGovOps controls (policy-as-code, quality checks, metadata, and lineage updates)
- Data security, governance, compliance, and privacy controls
- Automated deployment pipelines (CI/CD) for data and platform changes
- Infrastructure-as-Code (environment build and rebuild automation)
- Observability integration (health, lineage, drift, SLA tracking)
- Tooling management (secure remote access, IAM configuration, alert routing)
- Backup monitoring and restore operations
- 24x7x365 expert support, observability, and SLA-driven incident response

## How it works

DataOps is delivered through a structured, three-phase engagement model that includes the following:

### Phase 1: Onboarding, Discovery, & Operational Tooling

- Document managed instances and services, and evaluate environments
- Deploy operational tooling, secure access, IAM configuration, and monitoring alert routing.

### Phase 2: Transform, Build, Modernize & Automate

- Modernize pipelines using infrastructure-as-code and automated deployments
- Implement observability, integrate with tooling, and deliver environment documentation

### Phase 3: Ongoing Management, Continuous Improvement, and 24x7x365 Support

- 24x7 monitoring, incident response, issue remediation, patching, and reporting
- Quarterly security, governance, compliance, and privacy reporting
- Backlog-driven transformational work delivered via sprint cycles

## Why Flexential

Flexential delivers DataOps as a fully managed, outcome-focused engineering and operations service driven by customer priorities.

- End-to-end lifecycle ownership from onboarding through ongoing operations
- Integrated operational governance and data governance enablement
- 24x7 run support with backlog-driven continuous improvement
- Proven operating discipline aligned to analytics and AI readiness
- Industry-proven, lean-Agile practices and DevOps methodologies
- A highly cost-effective team with a dedicated scrum master and certified engineers

## Ready to automate trusted data delivery?

Talk to an expert about how Flexential DataOps can accelerate analytics, reduce risk, and improve data reliability, without growing your in-house team.

## Key benefits

DataOps delivers measurable improvements across data delivery, trust, and operational maturity:

- **Accelerated time-to-insight** through automated deployment, testing, and monitoring
- **Reduced compliance risk** through embedded controls and auditable evidence
- **Lower operational overhead** by eliminating manual processes and reactive firefighting
- **Improved trust in data and AI outputs** through enforced standards and stewardship

## Outcomes we deliver

Organizations using DataOps achieve consistent, business-level outcomes:

- **Faster, more confident decisions** using predictable, trusted data inputs
- **Lower AI and business risk** from improved data governance and data quality
- **Lower audit and compliance risk** through operationalized governance and routine evidence
- **Increased engineering productivity** from a stable, automated operating model