

Exxon Mobil TIV Report

Score: 59.8% (269/450)
Category: Technology Follower
Assessment Date: 2025-09-01

Section Summary

Section	TIV Score	Category
Part 1: Business & Strategy	64.7%	Technology Follower
Part 2: Apps & Data	61.3%	Technology Follower
Part 3: Infrastructure	53.3%	Technology Follower
Total TIV Score	59.8%	Technology Follower

Business & Strategy Analysis

Assessment of business strategy and technology leadership reveals organizational commitment to digital capabilities development through executive structure, strategic initiatives, and technology talent acquisition.

- Management structure includes a CTO and CIO, but lacks a dedicated CDO
- Strategic capabilities and initiatives emphasize technology as a key enabler for operational efficiency and sustainability goals
- Technology transformation programs include investments in digital infrastructure and proprietary technology for energy efficiency
- AI/ML initiatives are supported by partnerships with Azure OpenAI and AWS Bedrock
- Hiring velocity and tech talent acquisition show a balanced mix of senior and junior roles in data and technology
- Development opportunities and gaps include a lack of AI leadership and inconsistent data literacy requirements

Applications & Data Analysis

Technical platform evaluation demonstrates digital architecture maturity, data management sophistication, and customer experience optimization capabilities.

- Technology stack includes modern JavaScript frameworks and enterprise CMS

- Platform strengths include modern REST APIs, OAuth2 and JWT tokens for API security, and a hybrid architecture
- Website technology and performance are good but not top-tier
- Customer data and personalization are basic with light experimentation and A/B testing
- Security features include enterprise CMP for GDPR and CCPA compliance
- Enhancement areas include AI-driven personalization, analytics sophistication, and data richness

Infrastructure Analysis

Infrastructure assessment shows cloud strategy implementation, security posture, and operational scalability aligned with modern technology practices.

- Cloud partnerships include AWS, Azure, and Google Cloud
- AI/ML infrastructure capabilities are supported by partnerships with Azure OpenAI and AWS Bedrock
- Data strategy includes modern data stack with Snowflake and Databricks
- CI/CD and deployment practices show medium maturity with automated pipelines
- Security and compliance measures include modern TLS, encryption-at-rest, Zero Trust architecture, and SOC2 Type II compliance
- Modernization focus and opportunities include AI/ML ops maturity and AI security practices

Evidence Gaps & Assumptions

Areas with insufficient evidence:

- AI leadership
- AI/ML ops maturity
- Developer community engagement
- AI security practices

Recommendations

Key improvement areas based on gaps identified:

1. Establish a dedicated AI leadership role
2. Improve AI/ML ops maturity with model registry, feature store, and fully automated ML pipelines
3. Engage with the developer community through active engineering blogs and open-source contributions
4. Implement AI security teams or adversarial robustness programs

Overall Assessment

Exxon Mobil demonstrates a solid commitment to technology leadership with dedicated CTO and CIO roles, a multi-cloud strategy, and modern data infrastructure. The company shows strengths in technology and innovation but has opportunities to improve in AI leadership, advanced AI/ML ops maturity, developer community engagement, and AI security practices.

Evidence Sources

Leadership & Management:

- ExxonMobil official website: <https://www.exxonmobil.com>
- Public executive leadership listings on ExxonMobil site

Financial & Investment:

- ExxonMobil 2024 Annual Report and Investor Presentations

Technical & Performance:

- Technology stack analysis via BuiltWith, Wappalyzer
- Google PageSpeed Insights for [exxonmobil.com](https://www.exxonmobil.com)
- Press releases on cloud partnerships and AI initiatives
- Job postings on LinkedIn and company careers page (September 2025)
- Indeed and Glassdoor employee reviews
- Privacy and compliance info from website footer and OneTrust CMP
- Public security certifications and compliance disclosures