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Lay the Foundation for AI—Unlock Trusted Insights and Innovation with AWS Data & AI

AWS Data & AI Readiness Assessment

Data fuels innovation, but many organizations struggle to turn data into value due to fragmented architectures, limited governance, or an unclear AI strategy. NexusTek's **AWS Data & AI Readiness Assessment** provides a comprehensive evaluation of your current data estate, analytics capabilities, and AI/ML readiness—delivering a clear, actionable roadmap to adopt AWS analytics and AI services with confidence. Our AWS-certified experts use the **AWS Cloud Adoption Framework (CAF) for Data & Analytics** and the **AWS Well-Architected Framework (Data Analytics and ML lenses)** to assess your technical and organizational readiness to adopt AI, automate decision-making, and democratize insights.

WHO IT'S FOR

Data & Analytics Leaders
Chief Data Officers, BI Managers, and Platform Architects.

IT & Cloud Strategy Executives
CIOs, CTOs, and Enterprise Architects.

AI/ML & Innovation Teams
Data Scientists, ML Engineers, and AI Product Owners.

Mid-Size Enterprises
Modernizing toward data-driven decision-making on AWS.

KEY BENEFITS

Build a Trusted Data Platform
Ensure data quality, accessibility, and governance across AWS.

Accelerate Business Intelligence
Enable self-service insights with Amazon QuickSight and AWS Redshift.

Close Governance and Compliance Gaps
Implement AWS-native data classification and policy controls.

Prepare for Enterprise-Scale AI/ML
Ready your infrastructure for AWS SageMaker, Bedrock, and future LLMs.

De-Risk AI Adoption
Use a framework-based roadmap to adopt AI responsibly and securely.

Bridge Gaps Between Business and IT
Align data and AI strategies with organizational goals.

HOW IT WORKS

We conduct stakeholder workshops, technical discovery sessions, and platform analysis to assess:

- **Data Inventory & Estate Mapping:** Discovery of structured/unstructured data across on-premises, AWS (S3, RDS, Redshift), and external sources
- **Data Architecture & Pipeline Evaluation:** ETL/ELT flows using AWS Glue, Amazon MWAA, and real-time ingestion via Kinesis or MSK
- **Governance, Privacy & Compliance Maturity:** AWS Lake Formation, AWS Glue Data Catalog, and compliance alignment with GDPR, HIPAA, and ISO
- **Analytics Readiness:** Amazon QuickSight enablement, data modeling, and scalable reporting architecture
- **AI/ML Infrastructure Readiness:** Amazon SageMaker, Bedrock, and custom model hosting readiness; GPU-enabled architecture assessment

The outcome is a **Data & AI Readiness Report** that includes:

- Executive Summary of business and technical findings
- Gap analysis for data governance and compliance
- Analytics enablement plan for QuickSight and Redshift
- AI/ML platform and infrastructure recommendations
- Prioritized roadmap for data platform modernization and AI integration

With NexusTek's AWS Data & AI Readiness Assessment, you can ensure your organization is prepared to responsibly harness AWS for data-driven operations and AI innovation.

FEATURES

Data Estate Discovery & Mapping
Cross-platform inventory of structured, unstructured, and cloud-native data.

Data Architecture & Pipeline Evaluation
Analysis of AWS Glue, Athena, Redshift, Amazon Kinesis, and third-party integrations.

Governance & Compliance Gap Assessment
AWS Lake Formation, Glue Catalog, IAM controls, encryption, and tagging policies.

Analytics Platform Readiness
Amazon QuickSight, AWS Redshift, Athena, and scalable reporting capability review.

AI/ML Infrastructure Readiness
Assessment of AWS SageMaker, Bedrock, and GPU infrastructure needs.

Comprehensive Roadmap for Data & AI Modernization
Prioritized next steps with investment guidance and timeline.

Ready to get started?
Contact us today or visit nexustek.com

NexusTek Is a Trusted AWS Partner

More than 350 engineers, 600+ cloud certifications, and 25+ years of experience delivering hybrid cloud, security, and modernization solutions.

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