Create a future ready enterprise with integrated analytics and managed services on cloud

Data is a strategic asset to enterprises worldwide and can provide a competitive advantage by helping create better customer experiences, drive operational efficiencies, mitigate risks and create new revenue models.

Today, around 85% of the data that enterprises need, comes from outside of their four walls. Today, data connects people, processes, machines and even different industries to open up a new world of opportunities. Data creates compounded value as it transcends boundaries creating new potential that can transform industries. This data economy is enabling collaboration across multiple industries helping enterprises industrialize analytics and innovate their business models.

**Challenges of Operating in a Data Economy**

Operating in a Data Economy requires an integrated set of data and analytical capabilities clubbed with AI driven automation to drive agility and innovation at scale.

**Fig 1: Possible innovation and industrialization across industries**

**Fig 2: Integrated set of analytics & AI capabilities needed in a data economy**
However, enterprises are struggling to enable these capabilities due to complexities across hybrid cloud infrastructure, constantly changing technology landscapes and fragmented and complex data eco systems.

Infosys Data & Analytics Platform

The platform addresses all these challenges and provides a comprehensive suite of modular solutions to drive business outcomes through agile experimentation and automation.

The modular suite of solutions built primarily on open source stack, spans the entire spectrum of the Data Management and Analytics life cycle and helps build an enterprise data foundation, unified business semantics, data science experimentation and industrialization of analytics supported by robust governance and operations.

We partner with cloud service providers to offer ‘Infosys Data & Analytics Platform as a fully ‘Managed Services Offering' to help enterprises navigate the complexity of solutions, platforms and cost of ownership. This provides a flexible subscription based pricing model for the core platform and a comprehensive catalog based pricing for services across data engineering, analytics and insights to optimize the cost of insights delivery.

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**Fig 3: Challenges faced by enterprises**

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**Fig 4: Layers of the platform**

**AGILE DATA ENGINEERING**

**CAPTURE & REFINE**
- Metadata driven data onboarding framework
- Platform agnostic design time interface
- Template driven approach for accelerated data onboarding
- AI driven data cleansing and mapping

**DATA ENGINEERING**
- Legacy Ecosystems & Fragmented Data
- New age data sources
- Hybrid platforms

**BUSINESS SEMANTICS**
- Engineering Centric Data Models
- Duplicated Business KPIs
- Long Cycle Times For Analytics Industrialization

**EXPERIMENTATION**
- Lack of Self Service
- Scalability
- Engineering Complexity

**AGILE EXPERIMENTATION**
- Self-service across the data science life cycle
- Agile experimentation framework
- Comprehensive Model management and publishing
- Containerized model deployment
- Marketplace for collaboration and insights consumption

**DATA CONSUMPTION**
- Proliferated BI landscape
- Discoverability
- Lack of Cognition

**DATA GOVERNANCE**
- Hybrid platforms
- Security & Compliance
- Data Insufficiency & Quality
- New age data sources & Roles

**DATA OPERATIONS**
- Variable Workloads
- Plethora of services
- Hybrid platforms

**MATURE GOVERNANCE**
- Unified Data Governance
- ML driven Governance – Governance by Exception
- ML driven Matching
- Security & Privacy

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**DEMOCRATIZED CONSUMPTION**
- Enterprise Information Catalogue
- Narrations and Storyboarding
- Graph based Data Exploration
- AI driven Intelligent Conversational Assistants
- Data Marketplace

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**INFOSYS COGNITIVE SERVICES**
- AI services powering the assets across the data and analytics lifecycle

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Benefits

**Time to Market**
- Ready to use, enterprise hardened, end-to-end platform
- Tooling to enable agile data onboarding and experimentation
- AI driven automation to accelerate all stage of the data and analytics life cycle
- Migration services to accelerate cloud adoption

**Cost of Ownership**
- Cost Takeout - License cost reduction by eliminating legacy tool stack
- Open source + Cloud Native to drive down ongoing cost of insights
- Cloud consumption optimization through JIT provisioning and spot instances
- Reduced overheads in vendor and contracts management
- Better cloud services pricing than EA with no upfront volume commitment
- Metered consumption to enable internal chargebacks

**Security**
- Fully integrated with AD/LDAP and Cloud security services
- Secure key management
- Integrated modules for PII/PCI data discovery, encryption and masking
- Compliant with regional regulations through Geo Fencing and Ring Fencing enabled through cloud providers
- Integrated Data Governance and Operations to enable traceability and auditability across the entire data and analytics life cycle

**Scale**
- Unlimited scalability leveraging on-demand availability of resources to meet your business needs
- Containerized micro-services to provide unlimited horizontal scalability

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**Success Story**
For a leading multinational banking and financial services company, we leveraged the platform to reduce cycle time of global liquidity reporting generation by 80%. We did this by accelerating data onboarding and processing on cloud and reduced license costs by $8 MUSD annually through open source frameworks. The platform also augmented and accelerated investigation of Anti Money Laundering cases with the platform's Risk & Compliance capabilities.

For more information, contact askus@infosys.com