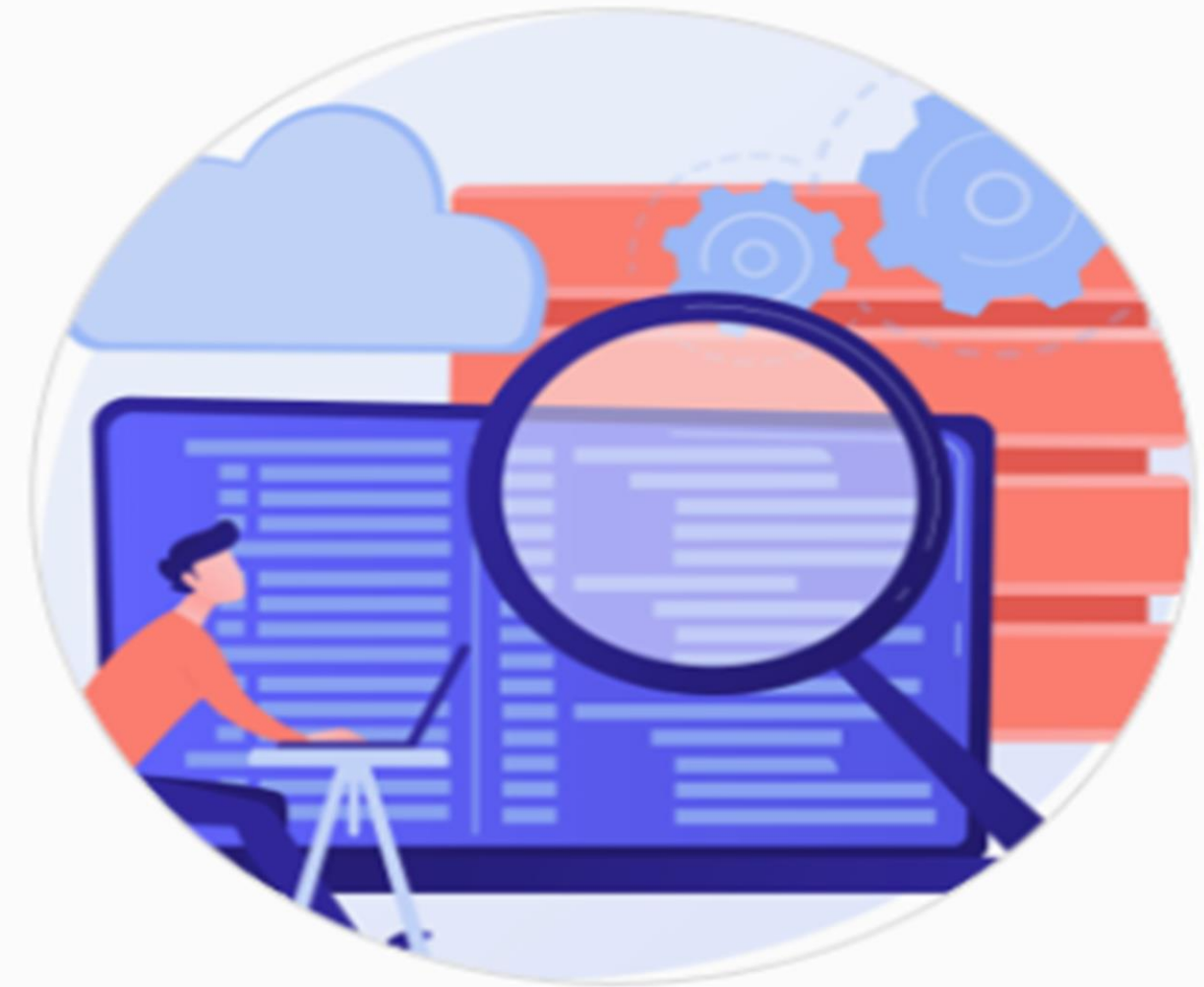


TechM's System Health Monitoring & Observability Solutions



VuData is a Data Observability framework for managing & automating Data Pipelines



Data & AI
Azure

Specialist
Migrate Enterprise Applications
to Microsoft Azure
Infra and Database Migration

Industry: All (Unified Data Observability Solution)

The following challenges observed in industry

- Lack of Visibility
- Data Complexity
- Data Silos
- Lack of data Governance
- Organizational Culture
- Skills and Expertise
- Rapidly Expanding Business Requirements

CHALLENGES

- Data Stack Complexity
- Exploding Data Volumes
- Diverse Data Sources
- Inefficient Data Pipelines
- Incomplete or Inaccurate Metadata
- Lack of Real-Time Monitoring
- Inconsistent Data Formats and Definitions
- Incomplete or Inaccurate Data Lineage
- Insufficient Data Training and Education
- Difficulty in Meeting Evolving Business Needs

IDEAL SOLUTION

- Should be scalable framework
- Solution should be Agnostic to tools and technologies
- Should have ability to reactive, proactive, ticket, alerting, notification monitoring and offering actionable insights
- Ability to provide documentation
- Ability to reconcile results
- Easy to operate and maintain

DESIRED OUTCOMES

- Higher Productivity & visibility
- Reduced Downtime & operational cost
- Improved Data Quality, user experience & satisfaction
- Finding out unknown issues
- Faster notification & quicker resolution
- Better & Healthier Data Pipeline
- Increased Efficiency
- Improved Collaboration
- Competitive Advantage



TechM's System Health Monitoring & Observability Solutions



VuData is a Data Observability framework for managing & automating Data Pipelines. It offers reactive, proactive alerts and notifications, actionable insights on data pipeline failures, an automated pipeline reconciliation report for validation and verification, auto restart ability to ensure uninterrupted data flow, proactive error handling. Platform helps to improved data quality, reduced downtime, increased efficiency, proactive issue resolution, greater business agility, and competitive advantage

1

SOLUTION BENEFIT

- Higher Productivity & visibility
- Reduced operational cost
- Improved user experience & satisfaction
- Increased Efficiency

2

SOLUTION BENEFIT

- Finding out unknown issues
- Faster notification & quicker resolution
- Better & Healthier Data Pipeline
- Improved Collaboration

3

MICROSOFT INTEGRATION BENEFIT

- Azure SQL, Azure APP Service, Azure API Management Service, Azure cloud infrastructure used for VuData (Including load balancer)
- Azure email communication service for email notification
- Azure AI studio for prediction

TechMahindra VuData & Microsoft Azure

As part of our strategic partnership with Microsoft Azure, we provide comprehensive monitoring solutions for Azure ADF pipeline jobs. Our services include real-time monitoring to ensure that jobs are successfully completed, and in the event of any failures, we leverage Azure Logic Apps or Azure Functions to trigger automated email alerts, ensuring prompt communication and swift resolution of issues. Also leveraging Azure Monitor, Azure SQL, Azure OpenAI for various features within Solution.

Automated Pipeline Monitoring

Provide comprehensive monitoring solutions for Azure ADF pipeline jobs. Our services include real-time monitoring to ensure that jobs are successfully completed, and in the event of any failures along with Alerts

Leveraging Azure Cloud Platform

Multiple on-prem and cloud data source adaptors using Rest APIs
Key services like cloud Infra, DB, APP Service, API Management Service, Open AI, Email extended from Azure

Empowering Business Users

users can experience higher productivity and visibility, reduced operational cost. Improved user experience and satisfaction, and gain insights into unknown issues.
Quicker alert & notifications
Auto Resolution and self-serving capability for Ops Team



Customer success: Telecom

Is a telecom services provider to wholesale, enterprise and end users. Services varies from POTS, mobile, internet, cable, lease line, data using fixed and wireless platforms. The client is Pioneer in provide Digital life to NextGen customer through cutting edge digital services.

Customer had the following challenges.

- Lack of Real-time Impact Analysis, technical traceability & Alerts
- Long time Taken for Resolution, SLA deviation
- Loss of Business hours/deliverable/proactively Alarm or Highlight issues

TechM's Service

- Reactive monitor for Informatica, Teradata
- Operational Excellence & Impact Analysis
- Auto Alert and Ticket

Solution

- Impact Analysis at run-time for failed jobs, Technical traceability across all the systems
- Real-time Alerts for failures through SMS and WhatsApp
- Analysis of Historical Errors, Data volume, Capacity
- Data Availability & SLA prediction. Proactively alerts to business user

Value Delivered

- 40 to 60% of trouble shoot time savings, RCA time reduction by 50%
- 50 to 60% of effort/time reduction in analyzing impact of a change
- Issue response time reduction by 50%

Reach us for more insight on TechM VuData from Tech Mahindra

Get a free trial: dasupport@techmahindra.com

Ask a question via email: dasupport@techmahindra.com

Learn more: [Data and Analytics \(techmahindra.com\)\]](https://techmahindra.com/Data-and-Analytics)

Link to your Microsoft Commercial Marketplace offer

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