Talend – Microsoft

On-Prem to Cloud Migration Assessment
& Consulting

About Happiest Minds

Next Generation Digital Transformation, Infrastructure, Security and Product Engineering Services Company

IPO
In September 2020

- Completing 10 years of existence in Aug 2021
- Strong Management Team & Corporate governance
- 4 Lacs+ Investors
- Robust growth and profitability

96%
Digital

93%
Agile

180
Active clients

53 Fortune2000 / Forbes200 / Billion $ corporations

90% of repeat business

30.7%
RoCE[1]

24.7%
RoE

'Born Digital. Born Agile'

Mission Statement
Happiest People.
Happiest Customers

SMILES Values
Sharing, Mindful, Integrity, Learning, Excellence, Social Responsibility

3,538 Happiest Minds

across **7** Countries

Diversity 25.2%

Great Place To Work
- Ranked **#21 –** India's Best Companies to work for 2021
- Ranked **#63** Asia's Best Workplaces 2021
- Top **50** Companies for Data Scientists to Work for 2021

4.3
rating

on **Glassdoor**
#2 for Indian IT Services

Promoter

Ashok Soota

GOLDEN PEACOCK AWARDS
Winner of Business Excellence 2021

Great Place To Work.
Asia's Best Workplaces 2021

isg Digital Case Study Awards 2021 Standout
United Kingdom and Ireland

2021 IBM Geography Excellence Award 2024
Best in Class Build on IBM Cloud Partner
Happiest Minds Technologies

2021 IBM Geography Excellence Award for APAC

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Key Highlights

Cloud Migration Motivation

Scaling to the Market demand

Reduce in capital expenses

Increase Business Agility

Customer experience and engagements

Talend – Microsoft On-Prem to Cloud Migration Solution

happiest minds
The Mindful IT Company
Born **Digital** . Born **Agile**

Customers who have deployed their application and system, leveraging Talend on-premise or local data center and wanting to migrate to the Azure cloud due to various challenges.

- Infrastructure Maintenance
- SaaS-to-SaaS connectivity
- Scalability
- API Designing
- Low Code Data Cleansing

Solution

- Solution provides a framework and Strategy to migrate/deploy from Talend On-prem to Microsoft Azure Cloud.
- Leveraging Happiest Minds Mindful 4E framework for the solution approach to Explore, Envision, Engineer and Enhance.
- As a part of Explore we are to Discover the AS-IS system study, vision of the organization, details of current and upcoming projects and compliance requirements.
- In Envision phase we Analyze the complexity of Jobs & components, Integration Architecture, Types of context variables used et.,
- Execution phase will the delivery of Infra and DevOps.
- Once the Infra is ready will come with a Proof of Concept and deploy as a pilot.

Tools / Technologies

- Azure Kubernetes Service
- Azure DevOps setup
- Azure API Management
- Azure Monitor Service
- Azure Service Bus
- Talend On-Prem Setup
- Talend Cloud

Benefits

- Scaling to the Market demand
- Reduce in capital expenses
- Increase Business Agility
- Customer experience and engagements

Solution Approach for the use case

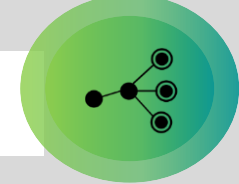**happiest minds**
The Mindful IT Company
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Happiest Minds' Mindful 4E Framework

Explore

Envision

Engineer

Enhance

Discover
- Understand As-Is Landscape
- Understand Vision for Org
- Get details of current and upcoming projects
- Compliance Requirements

Deliverables
- Org's Technology Road Map
- Project Inventory Document
- As-Is Architecture Document
- Security and Compliance Requirements Document

Analyze
- Job Complexity & Component Usage
- Integration Architecture
- Context Variables, Tools, License, Software
- Security Requirements

Deliverables
- LTM and PTM Diagrams
- DevOps Architecture Diagram
- Optimized Licensing Plan
- Execution Strategy

Execute
- Sizing, Installation and Configuration
- Talend TAC/TMC Setup
- Provisioning Azure Compute and Network Components
- Installation of Remote Engines, Runtimes, RFC servers in HA clusters
- Installation of Studios
- Installation of Git, Jenkins, Nexus, Azure DevOps etc.
- API Gateway Setup
- CI/CD Pipelines

Continuous Feedback
- Performance Tuning
- Log Aggregation & Analytics
- Data Ingestion into Data Lake

Artifacts
- Azure Log Analytics setup
- Azure Security Center setup
- Data Streaming setup
- Data Lake setup

Assessment Activities

Week 1

- Define Overall Plan.
- Conduct workshops, understand the current state/ Business Processes, review the artifacts, and gather all relevant Information and signoff.
- Understand customer needs and AS-IS architecture & Process.
- Analysis and Assessment of tech landscape, expectations, Impediments and know constraint.
- Identify key challenges and Pain points

Week 2 & 3

- Install Talend Cloud and Studio Setup and best practices.
- Infra and Pipeline Analysis
- Infrastructure Development
- Setup of Cloud & Remote Engines

Week 4,5& 6

- Enablement of API's.
- Design, document and share API definitions. Allows publishing APIs definitions to API Gateways.
- Sample API Development.
- Solutioning of CI/CD Pipeline & Setup.

Week 7 & 8

- Handle issues such as authentication, monitoring and logging via API Management. Implement API authentication and authorization to secure APIs
- Recommend the Way forward
- Target Architecture definition and roadmap blueprint.
- Reference Architecture and Best practices.
- Define engagement and implementation plan.

Ask us anything

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www.happiestminds.com