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Building on belief

TCS Application Integration Services on Microsoft Azure

Microsoft Business Unit

With the acceleration in digital transformation that followed the COVID-19 pandemic, companies are looking to set up a new cloud-based integration platform or modernize their existing integration platforms to enable the migration of their on-premise applications to cloud. A solution that allows companies to migrate their on-premise application integration infrastructure to Azure iPaaS can help improve the scalability of business operations while delivering a faster time to market.

TCS Application Integration Services on Microsoft Azure is an offering that allows companies to migrate or modernize their existing legacy on-premise application integration platforms to Azure iPaaS (Integration Platform as a Service) to provide better scalability, security and faster time to market. Leveraging Azure Integration Services such as Logic Applications, Service Bus, API Management, and Event Grid, the solution also assesses the current interfaces, identifies the in-use integration patterns, and helps organizations develop an efficient migration and modernization path to Azure iPaaS adoption.

Overview

Organizations are looking to adopt a cloud ecosystem and tap into an Azure iPaaS to address the dynamic business environment and the ever-changing customer needs. However, the service-oriented, architecture-based solutions are largely built over legacy Enterprise Service Bus (ESB) / Middleware, which are not only unsuitable for cloud-native application development but are also difficult to update or scale. Further, solutions built over legacy ESB / Middleware focus only on transport protocols-based integration rather than API integration, adding to investment costs and longer development cycles.

TCS Application Integration Services on Microsoft Azure is an offering that helps in migration and modernization of legacy on-premise ESBs and middleware to Azure iPaaS. The solution conducts an automated assessment of the organization’s existing middleware interfaces to check for feasibility and suggests alternatives to facilitate the migration, modernization and automated deployment and configuration management of the applications interfaces. TCS Application Integration Services on Microsoft Azure gathers application data from middleware environments and utilizes the intelligence to calculate the complexity and migration potential of middleware applications and their consisting components. The complexity analysis allows businesses to estimate the effort required to migrate each middleware component to the Azure iPaaS along with the best possible migration paths.

Our Solution

TCS Application Integration Services helps companies take advantage of the following key services (see Figure 1):

- **Migration Assessment:** Take advantage of middleware interfaces and integration patterns to outline the roadmap to migrate middleware applications to Azure iPaaS without compromising on security.
- **Migrate and modernize on-premise legacy platforms:** Migrate or modernize existing on-premise legacy ESB and middleware platforms to leverage Azure iPaaS services like Logic Apps, Service Bus, API Management and Event Grid.
- **DevOps implementation:** Ensure faster time to market by leveraging pre-built Azure Resource Manager templates and middleware deployment frameworks for automated deployment to cloud-native, or hybrid integration application environments on Azure.
- **Real-time monitoring:** Monitor the cloud and hybrid integration environments in real-time to identify any anomalies and provide resolutions.
- **Message tracking solution:** Leverage the correlation-based message tracking solution for post-production support.

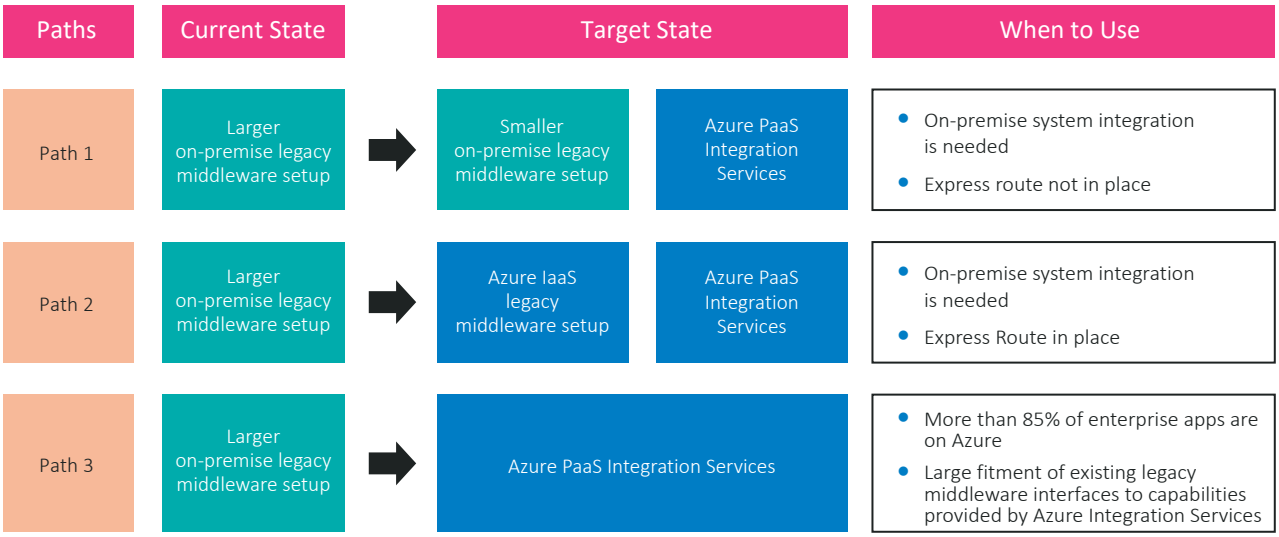

Figure 1: TCS Application Integration Services on Microsoft Azure ensures rapid migration

Benefits

TCS Application Integration Services for Azure iPaaS provide the following benefits to companies:

- **Improved scalability:** Meet the performance needs of applications by scaling the Azure iPaaS platform efficiently and quickly as per the requirements.
- **Cost-effective business strategy:** Leverage rules-driven assessment framework to discover and assess the existing legacy ESB and Middleware platforms in customer landscapes. Plan the adoption of Azure iPaaS and calculate the costs associated with it as per business requirements.
- **End-to-end monitoring:** Enable end-to-end monitoring of Azure iPaaS based interfaces and ensure faster resolution of issues.
- **Best practices driven development:** Enable reference-driven and standardized interface development through register of best practices for Azure iPaaS Services development.

Why TCS

A partnership with TCS helps enterprises take advantage of the following differentiators:

- **Rich Experience in Modernization Middleware to Azure:** Our rich experience in modernizing existing legacy on-premise platforms to Azure Platform helps companies quickly transform their current infrastructure and leverage future-ready tools for access to new revenue streams.
- **Research-backed solutions:** TCS Application Integration Services on Microsoft Azure leverages all the four pillars of Business 4.0™ and provides a holistic solution to cater to emerging business needs. Our offering leverages Microsoft Azure Cloud Ecosystem to deliver future-ready migration and modernization roadmap. The technical assets that are in-built in the offering enable faster and risk free adoption of Azure iPaaS capabilities.
- **Strategic partnership with Microsoft:** TCS, through its partnership with the Microsoft, provides future ready cloud solutions for your organizations. Our strategic partnership enables us to provide most up to date advise and expert guidance on migration to the Azure iPaaS and help businesses drive exponential business value.

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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 488,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US $22.2 billion in the fiscal year ended March 31, 2021, and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the MSCI Global Sustainability Index and the FTSE4Good Emerging Index. For more information, Visit **www.tcs.com** and follow TCS news **@TCS_News.**

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