Governance Framework for Microsoft Azure

Microsoft Business Unit

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About Tata Consultancy Services Ltd (TCS)
Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™ recognized as the benchmark of excellence in software development. A part of the Tata Group, India’s largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

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As digitization gathers momentum, almost a quarter of the companies have moved to cloud-based applications for their core operations, while more than 10% are planning to expand their existing cloud infrastructure. The growing demand for social tools, such as chat and micro-blogging, has further accelerated this trend as cloud applications are more flexible and social than traditional on-site software. It is time for companies to implement a cloud governance framework that maximizes business value as they embark on a cloud adoption journey.

TCS Governance Framework for Microsoft Azure is a smart cloud solution that helps organizations gain better control and visibility over their business environment by automating cloud governance. By leveraging the DevOps provisions, the framework helps enterprises undertake faster cloud migration, reduce total cost of ownership, improve overall efficiency, and be future-ready.

Overview
With the growing popularity of cloud computing, many organizations are rapidly procuring cloud services offered by providers such as Microsoft. However, to ensure optimal adoption of Azure, governance is extremely important. While cloud service providers have their portals to manage and govern their clouds, they have several limitations that pose serious challenges for enterprises such as lack of control in streamlining cloud adoption, lack of standardization of cloud computing, security and compliance issues, operational inefficiencies, and cost escalations. Enterprises across the globe need a future-ready holistic solution that can address these problems.

TCS Governance Framework for Microsoft Azure is an end-to-end cloud management system that ensures the usage of Azure services as per best practices. The framework helps optimize the cost of Azure cloud services and provides companies a portal to define Azure governance policies as per their specific requirements. The solution allows enterprises to enable easier management of Azure services following a set of policies.

Solution
Designed to ensure the usage of Azure services in accordance with best practices and optimize the cost of cloud adoption on a continuous basis, TCS Governance Framework for Microsoft Azure is powered with the following features that make it a robust framework for overall governance:

- **Guidance and best practices:** Provides Azure governance throughout the cloud migration journey to provide a future-ready and holistic Azure governance solution.
- **Future-ready portal:** Provides a unified view across Azure subscriptions and services, and defines Azure governance policies.
- **Next-gen innovative solutions:** Allows auto-discovery of the resource map in an Azure subscription, applies governance policies to the resource graph, and generates compliance reports to track non-compliance issues and offers recommendations.
- **Complete framework for Azure governance:** Analyzes Azure resource usage data to identify opportunities and generate recommendations for cost optimization.

Benefits
An overall framework for Azure governance and cost optimization, TCS Governance Framework for Microsoft Azure can help organizations reap the following benefits:

- **Reduce total cost of ownership:**
  - Provides over 100+ proven cost optimization recommendations.
  - Pre-incorporated machine learning models help to fine-tune cost recommendations to suit individual cloud services and thus, reduce TCO.

- **Improve overall operations efficiency:**
  - Ensures security and scalability during application of cloud governance policies to suit the needs of enterprises.
  - Includes both standardized provisioning of cloud services and application of consistent policies under the umbrella of MBU Azure DevOps and Governance Service.

- **Provides future-ready holistic solutions in reduced delivery time:**
  - Helps publish enterprise approved cloud services using an in-built service catalog.
  - Offers a self-service feature that allows companies to use public resources with pay-as-you-go pricing model.

The TCS Advantage
TCS believes in delivering real value to its clients to ensure they derive real value by investing their trust in TCS. Enterprises can leverage the following by joining hands with us:

- **Business experience and contextual knowledge across domains:** With several years of experience, a modern approach, and guidance of the SMEs at Microsoft, our team ensures that the solution can create exponential business value. TCS teams also have deep industry knowledge and a client-first approach. They are well-trained to deliver strategic Azure cloud solutions to fulfill the requirements of clients.

- **Modular, digital, innovative solution:** TCS Governance Framework features pre-defined policy templates and a comprehensive set of cost optimization recommendations to enable mass personalization. With a strong set of digital tools, the framework allows quick application of enterprise-grade governance policies and helps them succeed in the Business 4.0™ world.

- **Client-friendly delivery model:** Designed to help enterprises drive business outcomes beyond traditional efficiencies, the Governance Framework has a unique delivery model and leverages the power of Microsoft Azure Cloud Ecosystem and AI/ML tools.
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