Enterprise Reliability Services for Hybrid Clouds

Google Business Unit

We often hear that "cloud is a means and not an end." This holds true, more than ever now. Once workloads are migrated to cloud, modernization of the IT estate and data driven predictive operations becomes a top priority for CIOs. More and more enterprises are choosing to work with multiple cloud platforms, owing to the many benefits they offer, such as reduced disruptions, enhanced workload performance, and freedom from vendor lock-ins. However, the lack of interoperability and limited scaling opportunities across clouds tends to put the brakes on the multi-cloud ambitions of enterprises.

TCS Enterprise Reliability Services for Hybrid Clouds addresses these challenges for enterprises by integrating a multi-tenant cloud delivery platform with Anthos and Google Cloud resources. The offering leverages TCS accelerators to deliver reliable operations and unified end-to-end visibility across multi/hybrid cloud environments.

Overview

In today's hyper-competitive age, businesses are constantly looking for opportunities to rapidly introduce or enhance existing business products and services to gain an edge over competition. These capabilities require highly reliable applications that can scale to business demand.

While hybrid cloud is a tempting cost proposition, there are real challenges associated with management. These include:

- Complexity in cross-cloud application monitoring, long mean time to detect, identification of root cause, and resolution of major performance issues

- Challenges in understanding consumption patterns and chargeback/show back, which extends to an inability to unlock value from business demand-driven consumption models

- Inability to deploy infra-as-code based automation and apply DevOps based best practices

- Security vulnerabilities that arise from not having a common, standardized runtime across the multi/hybrid cloud estate.
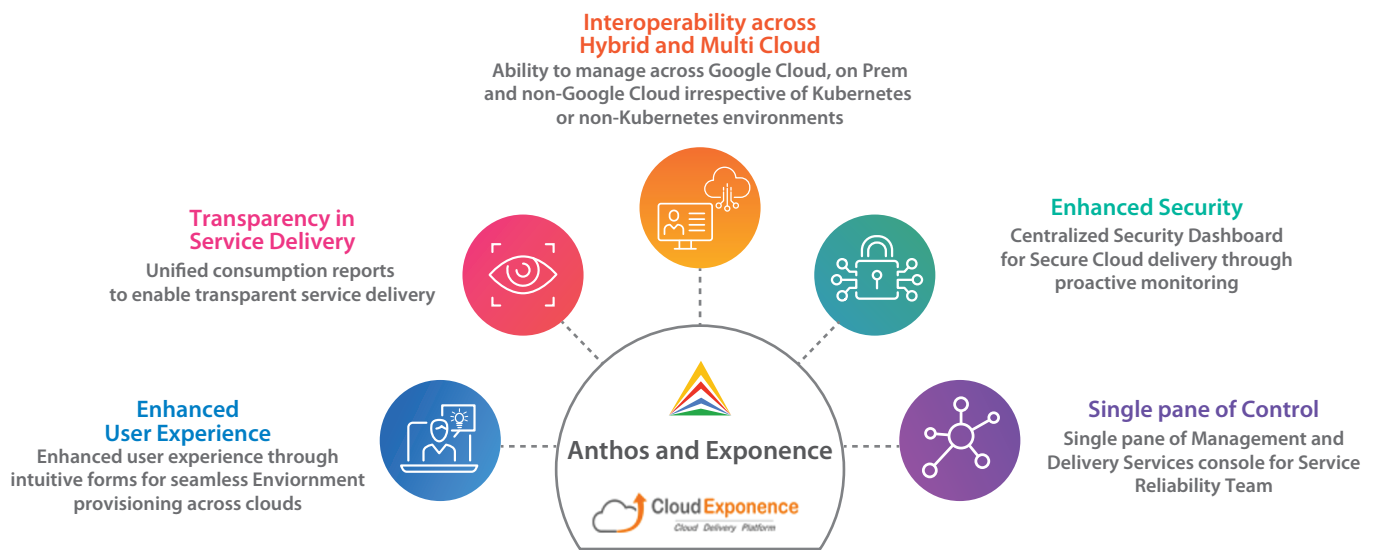
TCS Enterprise Reliability Services is a holistic cloud orchestration and value management solution for multi/hybrid cloud environments that runs across all cloud resources (Kubernetes and non-Kubernetes environments) and enables enterprises to gain a single pane of glass control over all public cloud footprints as well as on-prem IT.

Solution

Designed to work as a holistic cloud orchestration and value management solution, TCS Enterprise Reliability Services is powered with the following capabilities:

- **Multi-cloud Management:** The solution leverages the intuitive TCS Cloud Exponence platform that offers seamless cloud orchestration and environment provisioning for enhanced user experience

- **Integrated IT Service Management:** This feature provides end-to-end visibility of the IT environment. The unified consumption reports enable transparency in service delivery and cloud value operations

- **Interoperability Across Clouds:** Powered by our Machine First Delivery Model™, the solution includes a single scalable console that can work with Kubernetes and non-Kubernetes environments and across public cloud and on-premise infrastructure

- **Enhanced Security:** The solution offers a centralized security dashboard for secure cloud delivery through proactive monitoring and can also control access across cloud resources

- **Common Control Pane:** With functionalities such as cloud orchestration, the control pane provides a consistent experience for both the development and operations teams

- **Digitized Architecture Library:** The solution leverages re-useable blueprints and ready integrations through APIs and e-bonding with on-premise/hybrid enterprise application environments for enhanced automation capabilities

Multi Cloud Orchestration using Google Anthos and TCS Exponence

An overview of TCS Enterprise Reliability Services for Hybrid Clouds

Benefits

TCS Enterprise Reliability Services for Hybrid Clouds can help enterprises reap the following benefits:

Reduction in cost of operations

- Experience demand driven consumption models on the cloud
- Optimize operations cost by as much as 30%.

Business agility and faster time-to-market

- Gain the benefits of agility in operations with the Google SRE model
- Increase speed-to-market by 13 times and reduce non-coding activities up to 38%

Operational efficiencies through unified management

- Achieve up to 55% increase in platform operational efficiencies with unified visibility
- Enable a consistent user experience across the hybrid cloud with a single control pane

TCS Advantage

TCS has a long history of helping organizations derive real value from their investments in cloud. By joining hands with TCS, enterprises can leverage the TCS Edge:

- **Business Experience and Contextual Knowledge Across Domains:** TCS has a strong base of cloud engineers and architects across practices. Our certified subject matter experts and experienced change practitioners have a solid industry background, rich contextual knowledge of the client's IT landscape, and possess a client-first mentality. They are well-versed in delivering strategic IT service management solutions to fulfill the varied requirements of our different customers

- **Modular, Multi-tenant, Innovative Solutioning:** The services are designed to be light, multi-tenant, completely secure and environment agnostic, working across Kubernetes and non-Kubernetes environments and for both cloud and on-premise infrastructure

- **Client-friendly Delivery Model:** Designed to scale to user demand and deliver the TCS commitment to drive business outcomes beyond traditional efficiencies, Enterprise Reliability Services is available in a subscription-based cloud delivery model

Awards & Recognition

To know more

Visit the **Google Cloud** page on **tcs.com**

Email: **BusinessAndTechnologyServices.Marketing@tcs.com**

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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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