Wipro FullStride Cloud Services' BoundaryLess Enterprise (BLE) powered by Nutanix

Many enterprise customers are under pressure to use cloud services as the natural choice for accelerating their company's digital transformation and IT innovation. According to recent cloud usage research, hybrid clouds are the preferred cloud model for **80%** of companies.

Some of the business expectations associated with cloudification include, but are not limited to: flexibility, simplicity, ease of use, and continuous improvement. In addition, expectations are toward competent handling of technical challenges such as refactoring, customization, interdependencies, legacy program migration, and regulatory and compliance requirements.

The integrated hybrid cloud solution with Wipro FullStride Cloud Services' BLE framework, accelerators, services and Nutanix cloud suite

enables enterprises with seamless digital and cloud transformation. The joint offering differentiates between as-a-service model for different services such as IaaS, PaaS, CaaS, SaaS and the cloud native services.

The solution

This joint hybrid cloud solution will help to resolve some of the critical challenges and complications such as distributed data management, exponential rise of edge computing, diversity, and increase in WAN bandwidth requirements. It further enables user experience with a unified ecosystem across edge-core-cloud.
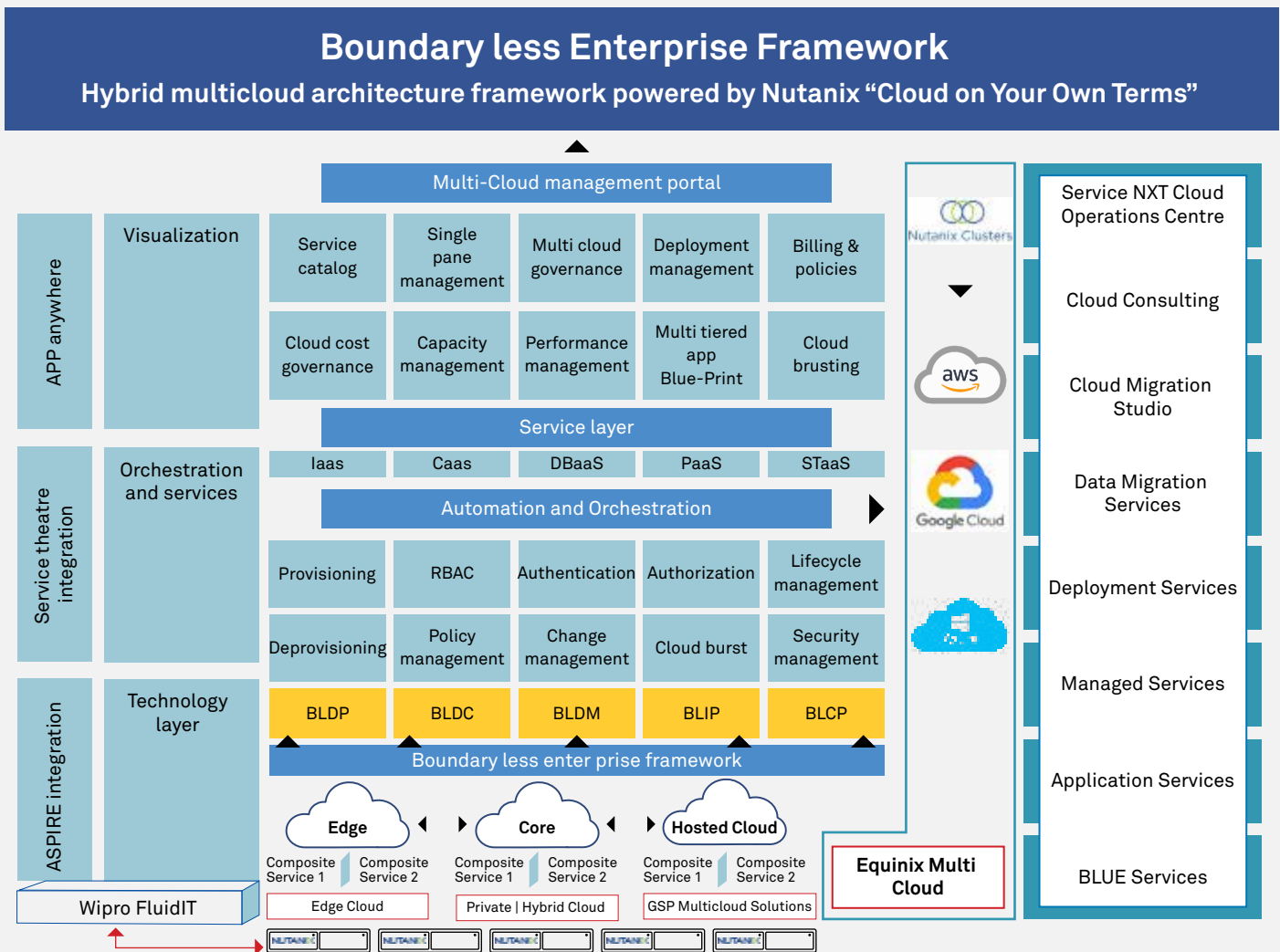

Figure 1: Multicloud Architecture with Wipro's BLE framework

Visualization layer

This layer enables users to get a seamless experience for all the services from a single plane of glass in an automated, simplified way of consumption.

Orchestration layer

Unified operations and distributed data with edge -core-cloud platform environments.

Technology layer

This layer encompasses the core infrastructure and COTS / business application suite stack, which is the base building block of this multi-tiered architecture for multicloud environments.

Services

User cloud experience in the form of various services such as IaaS, PaaS, CaaS, SaaS, and cloud native services for service providers such as bare metal, VM, container, on-prem, public cloud and Edge.

Accelerators

Enablers such as Service Theater provide IT life cycle operations including Day 0, Day 1 & Day 2 operations automation and bring agility to the operations.

Partner ecosystem

Validated joint partner ecosystem including hosting of IT Infrastructure, workloads and field services.

Nutanix hybrid multicloud solutions, with Hyper-Converged Infrastructure (HCI) as the foundation, bring it all together. It's a true single cloud platform that seamlessly integrates the entire edge, on-prem, public, hybrid, and multicloud strategy.

Wipro FullStride Cloud Services' BLE Framework, powered by Nutanix, seamlessly integrates hybrid cloud services, including public clouds such as Amazon Web Services (AWS) and Microsoft Azure with Nutanix-powered hybrid and multicloud environments. Wipro's accelerators such as Service Theater integrate with Nutanix's product for the marketplace called "Calm" to deliver application automation and lifecycle management for Nutanix and hybrid cloud. Nutanix cloud suite and Wipro's accelerators enable the hybrid lifecycle activities, including scaling, workload mobility, and compliance.

These offerings differentiate by delivering core business benefits:

Fast cloud provisioning: Spins up a new cluster on a public cloud in under an hour

Operational simplicity: A single management plane spans private and public cloud environments. Standard toolset and therefore no re-training requirement

Seamless application mobility: Move applications (workload mobility) across edge-core-cloud on the same platform with no code changes or re-platforming

Optimized cost: Run the one Nutanix environment with the same licenses across all supported clouds, fully utilizing your IT investment. Gain control of hybrid cloud spend with automated cost governance

Just in time capacity management: Capacity expansion is done quickly without any disruption to the existing system

Features & use cases

Salient features of the joint hybrid cloud solution include data protection, disaster recovery, and business continuity planning. Application mobility, compliance, scalability, modularity, API centric platform, bi-modal and open architecture are also some of the advantages of this collaborative solution.

This joint solution provides clients with a compelling use case that complements their data protection strategy while also adhering to corporate data compliance and standards.

Enterprise applications
Run databases, VDI, ROBO, cloud native, big data/analytics and more on a single platform while maximizing performance, resource efficiency, and cost.

Business continuity
Use a public cloud region as a secondary backup site and replicate your on-premises entities that need to be protected through our unified management plane.

Lift and shift
Save the trouble of tedious retooling or refactoring by easily migrating any application or workload with absolutely no code changes.

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