2021 TSIA STAR Awards Featured Application
The Cloud that Comes to You, Everywhere

HPE’s relentless pursuit of delivering the right customer experience has led the company to deliver the cloud that comes to you. It has the attributes of seamless multi-cloud capability, automated control plane, security operations, hardware asset management, self-service, executive dashboards, billing, consumption management, combined with HPE’s award winning AI/ML driven auto-correlation and remediation platform.

New HPE GreenLake Hybrid Cloud Management Services Platform

Realizing the full benefits of hybrid cloud requires a single control plane across all cloud environments. It needs to be simple to use and support a fully managed service model as well as a customer self-service model to do things such as orchestration, analysis, and reporting across the multi-cloud hybrid estate. To simplify and expedite time-to-value for our customers, HPE has further enhanced and expanded its end-to-end cloud automation platform, to deliver the cloud that comes to you anywhere in your IT estate – across your edges, datacenters, colocations and clouds.

To ensure the right elements of your IT estate are in the right place, HPE offers hybrid multi-cloud strategy, design and deployment services. The new Platform provides out-of-the-box capabilities on Day-1 to provide a simplified, consistent, fully automated & orchestrated self-service or fully managed service experience, delivered through a single console that can work with any cloud provider and heterogeneous infrastructure. It includes pre-defined catalogs, on-demand real-time analytics, and finally, a secure and compliant environment delivered in a single pay-per-use model. In the fully managed experience, we leverage the platform to continuously optimize your IT estate, ensuring your workloads (apps and data) are running in the right environment at the right time for the right reasons.

Business Impact for HPE

Our customers are rewarding us for our ‘Cloud that comes to you’ strategy. The business impact has been substantial and has exceeded our expectations with near 800% growth in opportunities. Operationally, it means improved efficiency through automation and faster time to onboard customers which directly translates into customer loyalty.

Customer Impact

When you think about the areas where customers need the most help across their hybrid IT estate, it boils down to three things:

1. Simplifying Complexity

In today’s enterprise, multiple cloud platforms are routinely used across private and public, each with their own toolset and security controls. Organizations may not have all the foundational components required to operate successfully in this complex IT estate. To help manage this complexity, the Platform uses several Infrastructure-as-a-Code (IAC), automation and configuration tools. For example, let’s take a look at something that should be as simple as changing a firewall rule in a multi-cloud hybrid environment. Code needs to be customized for each specific environment. Application and release management demands automated deployment and testing: application functional testing, performance testing, security testing, security at the operating system, configuration validation, application
containers configuration and app security testing. The Platform delivers configuration changes at the cloud level, such as security events triggered when a firewall change is made by adding a new rule or deleting an existing rule. Additionally, there are instance-level sensors that monitor performance events, such as CPU threshold deviation, disk or memory threshold incidents. This automation continuously detects, remediates, and prevents the infrastructure service events and provides appropriate logs for auditing purpose. HPE GreenLake Management Services powered by the Platform delivers built-in automation and DevOps support that can automatically spin up infrastructure based on engineering requests within entire hybrid IT estate. DevSecOps Services proactively detect issues with automation pipelines so that there is no impact to application engineers continuously releasing new features in smaller batches.

2 Consistent and well-orchestrated self-managed or fully managed service
The benefits of Infrastructure as-a-Code (IAC) that Lines of Business owners have come to depend on from single cloud vendors can now be extended homogenously across their entire IT estate. Application developers gain faster access to the right hybrid cloud resources and can consume them anywhere. The Platform enables IT organizations to start with business and application requirements to drive an appropriate choice of infrastructure within hybrid cloud for optimal placement of workloads either on a private or public cloud or edge (Diagrams 3 & 4).

For example, provisioning capability of virtual machine on a Private Cloud or a compute resource on a Public Cloud. The user fills a few simple fields and places the request. Once approved, the orchestration run books are executed determining where the resource will be deployed using simple rules, creating the server profile, assigning profile to the hardware, setting up DNS, and NTP server configuration. The ticket moves to resolved status and later closed with no agent intervention completed in as little as 10 min or less. Public Cloud of your choice can be virtually instantaneous (Diagrams 5 & 6).

3 Cloud-agnostic, turnkey platform architected to work with heterogeneous infrastructure
The Platform is architected to be capable of operating with any cloud provider with minimal disruptions to a business. Customers can efficiently scale their use of any cloud services, take advantage of features from various cloud providers optimizing cost and fluidly migrate applications from one cloud platform to another without impacting performance. This helps customers avoid vendor lock-in, customize as needed, reduce risk, and improve security.

UPL, a global agrochemical multinational organization, had acquired a U.S.-based company which had complex operations across the world and needed a partner to manage the complete IT footprint. The geographic spread was scattered across 180+ countries. Their multi-cloud environment consisted of 15 regions of MS Azure, AWS and database support for Oracle Cloud was added to the mix after the initial deployment as a part of integrating the new acquisition.

"HPE is helping to simplify and solve the multi-cloud challenge for our team with the introduction of the next generation hybrid cloud platform. With this enterprise-grade managed service, we now have the flexibility of Hybrid & multi cloud for agility & dynamic scalability.” - KrishnaKumar Pandey, Head of Infrastructure & IT Operations, UPL.
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