Solving Midsize Business Pain Points With Cloud-Based Management and dHCI

For Midsize Businesses, the Cloud Offers Efficiency, Simplicity, and Cost Savings

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Executive Summary

With the advent of new data-management technologies and concepts like hybrid cloud, edge, AI operations, hyperconverged infrastructure, and as-a-service procurement, the amount of complexity and hampered productivity the average midsize enterprise organization faces can seem insurmountable; this has prompted many solution providers and vendors to turn their attention towards solutions and services that are specifically built to massage the data-management flow by reducing complexity and simplifying management for IT and end users.

In this White Paper, you'll learn more about emerging solution technologies like disaggregated hyperconverged infrastructure (dHCI), AI-powered infrastructure maintenance and optimization, and Consumption-as-a-Service pricing. These and other technologies and services are being pushed to the forefront to ease the burden of managing modern data infrastructure, improve data availability and efficiency, and reduce costs in both the short and long term.

Streamlined Procurement, Simplified Deployments

To thoroughly address the ballooning management complexity and costs that are hampering midsize business productivity, the focus can't focus solely on single links in the data-management infrastructure chain. Solution providers need to step back, look at the entire picture, and realize that every major part of the data-management process must be optimized —from initial procurement to deployment, operations, visibility, accessibility, and cost of consumption.

Solutions that operate in the hybrid cloud and edge spaces can help by automating the procurement process, ensuring you only pay for what you need when you need it. These same solutions also go a step further by leveraging their AI capabilities to simplify deployment and management processes, scale solution usage in real-time, and manage themselves to further reduce management burden.

Improving Business Agility With dHCI

If there's one specific technology innovation that solution providers can turn to when helping customers unlock their full business agility, while also boosting resiliency and performance, it's dHCI. Building from the simplicity-focused mindset of HCI, dHCI offers even more granular functionality, essentially allowing businesses to bring HCI to all their in-house apps and services, and even scale compute and storage management independently.

Even better, dHCI circumvents much of the system complexity, network latency, and VM sprawl that often plagues traditional HCI solutions. With dHCI, you never have to worry about manual balance tuning, rigid resource scaling, or node-based data loss. Instead, you can easily scale, secure, and optimize your on-prem and VM-based data workloads no matter where they are housed or which applications they depend on.

Cloud for On-Prem Data Management Benefits the Following Workloads

- Big Data
- Storage
- Compute
- Backups
- Containers
- HPC
- Virtualization
- VDI
- Networking

Tying it All Together With an Intelligent Cloud Experience

It's only natural that data management and storage gets more complex and unmanageable as a business ramps up its operations and must manage more storage assets. It makes sense that data-management solutions that can self-manage, self-optimize, and automatically scale as needed are so desirable to midsize companies looking to grow but also keep management complexity and costs low.

In the past, finding a single solution or service that was capable of "doing it all" in terms of data management, operational agility, and cost-effective consumption was pretty much a pipe dream. Businesses did the best they could by stitching together disparate solutions and products to find some semblance of balance that worked for them; but often, they just wound up creating more of the very silos and complexity they hoped to avoid in the first place.

Thankfully, times have changed. The more wholesale adoption of cloud technology — especially in the wake of the global work-from-home shift — has given rise to cloud-native data infrastructure that essentially morphs traditional infrastructure management models into a bespoke as-a-service experience where businesses can freely access and utilize assets without having to also manage them.

When configured correctly, cloud-native infrastructure synergizes with dHCI and AI-powered edge-to-cloud solutions to unlock the "do it all" data infrastructure framework that has become so vital for midsize business operations, enabling benefits such as:

- Maximized business agility for every service, application, and workload
- Across-the-board optimization that ensures full application resiliency and compliancy
- Unified and highly visible data services management and mobility

Harness the Power of Edge to Cloud With HPE Solutions from Agilant

Once you've decided that technology innovations like dHCI and cloud-native infrastructure would help your midsize business reach its fullest potential by eliminating complexity and unnecessary costs, Hewlett Packard Enterprise (HPE) and Agilant Solutions are ready to help you make the transition from realization to implementation with targeted high-value solutions as outlined below.

HPE Alletra

HPE Alletra is a cloud-native data infrastructure platform that's been built to target the complexities of hybrid cloud and HCI. By utilizing HPE Alletra you can pivot away from traditional models where the onus is on you to procure, install, manage, and optimize data infrastructure and storage assets. Instead, all you need to focus on is accessing the resources you need as you need them, on-demand and in a cost-effective manner.[1]

HPE GreenLake

The HPE GreenLake edge-to-cloud platform brings cloud functionality to all on-premises apps and services no matter where they reside. More importantly, it also enables the flexible as-a-service cost and consumption benefits that make solutions like HPE Alletra such a great value. With HPE GreenLake, you only ever pay for what you need, ensuring no capital is wasted during your cloud infrastructure adoption journey.[2]

HPE InfoSight

The AI-powered automation that allows HPE Alletra to actively monitor, manage, and optimize your data and storage assets for you is enabled through HPE InfoSight, an autonomous operations engine that's always on and always active. With the combined power of data, cloud, and AI that HPE InfoSight brings to the table, you can quickly resolve complex infrastructure problems, make sure those problems never return, and optimize your systems against future potential problems, all without lifting a finger.[3]

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dHCI Ensures Full Business Optimization from Start to Finish

- Easily scale compute and storage independently across hybrid cloud
- Get guaranteed data availability and resiliency with near-instant issue resolutions
- Leverage full-stack intelligence for automated on-demand management
- Integrate cloud functionality for as-a-service consumption and scaling

Is Cloud-Native Data Infrastructure Right for You?

If you've found yourself pondering the following topics or pain points, cloud-native infrastructure might just be the solution you're looking for:

- Getting the cloud experience across your entire business
- Efficiently running applications without any compromises
- Ensuring full data mobility no matter where it resides
- Leveraging public cloud functionality to greatest effect
- Maximizing capital gains across both the short and long term

Schedule Your Agilant Technical Demo Assessment Today

Agilant's HPE solution demo environment allows potential adopters to see first-hand and in real-time how the HPE dHCI solutions they offer can be leveraged to tackle today's data management challenges. Even better, Agilant offers a free systems assessment which helps potential adopters determine if a full technical demo would benefit their business. Be sure to schedule your free assessment by contacting Agilant today.

Agilant Brings the Power of the Cloud to Midsize Businesses

Agilant Solutions, Inc., a Hewlett Packard Enterprise Platinum Solution Provider, is a North American digital transformation company providing leading IT services and solutions. Agilant offers strategic designs, proven IT technologies, and world-class support backed by more than three decades of industry experience. Agilant also provides professional outsourcing services and technology solutions built on innovation, expertise, independence, and flexibility.

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[1] Hewlett Packard Enterprise, "HPE Alletra: Power Your Data from Edge to Cloud," May, 2021

[2] Hewlett Packard Enterprise, "For Everything as a Service, HPE GreenLake is At Your Service," December, 2020

[3] Hewlett Packard Enterprise, "Predict and Prevent Downtime With AIOps," June, 2021