Introduction
This case study of Capitol Anesthesiology Association is based on a September 2014 survey of HPE SimpliVity Hyperconverged Infrastructure customers by TechValidate, a third-party research service.

“[With HPE SimpliVity Hyperconverged Infrastructure, we have] less hardware to manage (including servers/SANS/data de-dupe/remote DR) and the storage capacity due to de-dupe is astronomical.”

Challenges
The business challenges that led the profiled company to evaluate and ultimately select HPE SimpliVity Hyperconverged Infrastructure:
- Purchased HPE SimpliVity as a result of a mandate / desire to implement DR and/or improve backup / recovery.
- Prior to deploying HPE SimpliVity, they found the management of multiple solutions and vendors to be manageable, but not ideal.

Use Case
The key features and functionalities of HPE SimpliVity Hyperconverged Infrastructure that the surveyed company uses:
- Uses HPE SimpliVity Omnicube in the following ways:
  - Infrastructure modernization / technology refresh
  - Remote / Branch Office (ROBO)
  - Virtual Desktop Infrastructure (VDI)
  - Production applications
- Runs the following types of applications on HPE SimpliVity:
  - Microsoft Exchange
  - Microsoft SQL Server
  - Industry-specific application (e.g., 911 system, healthcare application, legal case management, CAD/CAM, etc.)

Results
The surveyed company achieved the following results with HPE SimpliVity Hyperconverged Infrastructure:
- Improved performance by 25% to 50% with HPE SimpliVity.
- Realized a capacity savings of 50:1 to 100:1 with HPE SimpliVity.
- Deployed new workloads, including allocating compute and storage resources, and configuring data protection policies, in the following amount of time:
  - After HPE SimpliVity: up to 1 day
  - Before HPE SimpliVity: 1 week -1 month
- Realized value in 1 week after the deployment of HPE SimpliVity.
- Ranks the value of the following HPE SimpliVity features:
  - Global federated management: valuable
  - Hyperconverged appliance: extremely valuable
  - VM-centric management via vCenter: highly valuable
  - Inline dedupe, compression: extremely valuable
  - Integrated data protection: extremely valuable

Company Profile
Company: Capitol Anesthesiology Association
Company Size: Medium Enterprise
Industry: Health Care
Solution: Omnicube

About HPE SimpliVity Hyperconverged Infrastructure
HPE SimpliVity hyperconverged technology brings all IT infrastructure and data services below the hypervisor into a single compact data center appliance. The HPE SimpliVity 380, based on the world’s best-selling server, is a compact, scalable building block that delivers server, storage, backup and DR in a 2U appliance.

Powerful, simple and efficient, the HPE SimpliVity 380 includes built-in backup and bandwidth-efficient replication to help ensure data integrity and availability. Get guaranteed data efficiency, data protection, and at least 90% capacity savings with technology that improves application performance and virtually eliminates unnecessary data processing.

Learn More:
HPE Packard Enterprise

Source: Hoss Walters, IT Director, Capitol Anesthesiology Association
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