“Since using HPE SimpliVity, my systems architect/engineer does not have to work long hours anymore. In addition, we are now able to easily incorporate a DR/BC plan in our infrastructure and improve the efficiency of our server backup management, allowing us to complete the backup task within the backup window. Restoring is also now easy, fast, and has become the biggest gain that we’ve noticed.”

Challenges

The business challenges that led the profiled organization 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 a significant burden.

Use Case

The key features and functionalities of HPE SimpliVity Hyperconverged Infrastructure that the surveyed organization uses:

- Uses HPE SimpliVity in the following ways:
  - Data center consolidation / private cloud
  - Infrastructure modernization / technology refresh
  - Production applications
  - Data migration
  - Runs the following types of applications on HPE SimpliVity:
    - Microsoft SQL Server
    - Industry-specific application (e.g., 911 system, healthcare application, legal case management, CAD/CAM, etc.)
    - Life Sciences research applications

Results

The surveyed organization achieved the following results with HPE SimpliVity Hyperconverged Infrastructure:

- Improved performance by 25% to 50% with HPE SimpliVity
- Realized a capacity savings of 100:1 to 200:1 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: up to 1 day
- Realized value in 3 to 6 months 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

Organization Profile

Organization: Brigham Young University
Industry: Educational Institution

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:
Hewlett Packard Enterprise

Source: Danny Yeo, IT Director, Brigham Young University

Validated

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