



## CLouDBYTE ELASTICENTER™

Single-pane-of-glass storage administration for everyone from the super user to the customer

### DIFFERENTIATORS

#### Efficient, comprehensive controls

Provides controls for setup through problem-solving through dynamic tuning as resource demands ebb and flow

#### One-stop shop

Unlike most, CloudByte ElastiCenter truly can manage worldwide implementations, directly or indirectly via REST API

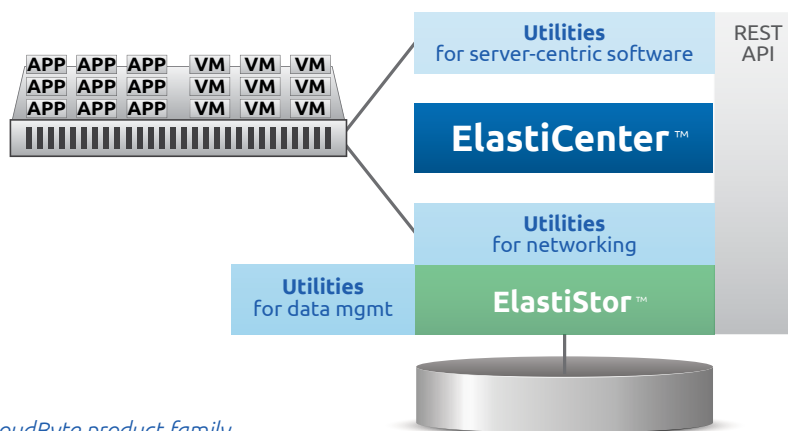
#### Cloud-ready, delegated administration

Puts authority where needed, safely and precisely

Operational costs are currently estimated to be 70% of the total cost of IT—and rising. Service providers, whether they provide services to their customers or to internal departments, are pinned between budget restrictions and the need to provide better services to customers or end users. While self service could be a benefit to both IT and customers, legacy storage approaches are often far too complex for this approach.

### SOLUTION: CLOUDBYTE ELASTICENTER

CloudByte ElastiCenter is a web-based centralized management console that controls the CloudByte storage environment worldwide and scales from a single site to many geographically dispersed clusters. ElastiCenter enables the definition of not only minimum selectable performance levels but also allocation of excess cycles to particular applications or tenants. Further, ElastiCenter provides efficient setup, customization, and tuning—all from a single interface. Lastly, ElastiCenter includes the capability to delegate administrative authority so that the organization can move authority for changes and updates close to the groups or customers that need support.



*CloudByte product family*

ElastiCenter runs on a standard x86 server blade and provides command and control to ElastiStor™ instances over standard Ethernet links. ElastiCenter can be controlled via its GUI or via the CloudByte REST API. With four levels of delegated administration, every size organization—from Fortune 500 service providers down to individual departments—can effectively and efficiently manage storage for diverse applications and Virtual Machines. With ElastiCenter, operational costs can be streamlined while improving customer satisfaction.

## CERTIFICATIONS AND INTEROPERABILITY

Citrix CloudStack

Citrix XenCenter

Microsoft SQL Server

OpenStack

VMware vCenter

## FEATURES

### Provision TSMs and Associated Storage

ElastiCenter enables the definition and provisioning of Tenant Storage Machines (TSMs) and their associated storage. Provisioning can be manual or automated via a REST API. In addition, if an optional plug-in is added, then provisioning can be made from VMware vCenter and other virtualization and cloud environments.

### Selecting Dynamic Performance

Enforces not only minimum selectable performance levels but also allocation of any 'spillover' cycles to particular applications or tenants.

### Delegated Administration

ElastiCenter enables the definition of multiple levels of delegated administrator authority. The four levels of authority are:

- **Super Administrator** for entire CloudByte implementation worldwide
- **Site Administrator** for a given IT site
- **Super Account Administrator** for a given customer or department
- **Account Administrator** for a single department

### Configuration Reports

ElastiCenter provides a visual representation of the storage environment's configuration. This representation also depicts any connection or hardware errors to provide troubleshooting assistance.

### Performance Reports

ElastiCenter also provides reporting on the actual performance of the configuration. With this embedded capability, performance issues can be understood and resolved easily.

### Local Backups and Optional Replication

ElastiCenter allows the definition and automation of local backups. If the optional replication feature is added, then ElastiCenter controls replication as well.

## ENVIRONMENT SPECIFICATIONS

### Controllers, Disk Arrays, and more

Listed in the CloudByte Hardware Compatibility List (HCL) [www.cloudbyte.com/support/HCL/](http://www.cloudbyte.com/support/HCL/)

### Software

- **Virtualization environments:** VMware and Citrix
- **Stack environments:** OpenStack and Citrix CloudStack
- **Applications:** Microsoft SQL Server

## ABOUT CLOUDBYTE

*Targeted to the needs of service providers—public and private—CloudByte's patent-pending storage software products uniquely deliver dynamically selectable performance for each and every application or tenant. By providing unified block, file, and direct-attached storage, CloudByte eliminates inefficient and costly storage silos. CloudByte provides scale-out growth from a single site to distributed cloud environments without disruption.*



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