

If you are an existing Scale Computing customer, you know we have been working hard to deliver features and updates you have been asking for. If you are new to our HC3 system, you will be interested in knowing what features we have updated most recently. In response to our customers and market, we have recently updated the HC3 system with the following new features.

File-Level Recovery with Virtual Disk Cloning from Snapshots on Live VMs

HC3 administrators can now, with one click, clone a virtual disk from a snapshot and mount it to a live VM. Snapshots now include dropdown menus showing individual virtual disks and details including mount points where these virtual disks may be cloned directly from the snapshot. A cloned and mounted virtual disk makes it easy to access data from the desired point in time to recover files or other data that was deleted, corrupted, or otherwise lost. By default, cloned virtual disks are mounted to the same VM that the snapshot is associated with, but any VM can be selected as the target of the mounted virtual disk. These cloned, mounted virtual disks offer full read/write access and can be used for file-level recovery, full disk recovery, and many other use cases.

This new file-level recovery capability is a great addition to the many backup and disaster recovery features already natively available on HC3, including flexible snapshot scheduling and retention management, replication, failover, failback, full VM recovery, and cloud-based disaster recovery as a service (DRaaS). While HC3 users can choose a third-party backup and disaster recovery solutions to use with HC3, many choose the simplicity and efficiency of the built-in features over purchasing additional solutions. [Click here for a video demo!](#)

Update to HC3 Appliance Models

All appliance models have been updated in the HC3 family for greater capacity, performance, and reliability. The new HC1200, HC1250, HC1250D, HC1250DF, and HC5250D replace all of our previous models (HC1100, HC1150, HC1150D, HC1150DF, and HC5150D). For more information on the model specifications and base pricing, check out our [HC3 Product Specification Guide](#) and [HC3 Family Brochure](#).

Role-Based Access Controls

HC3 now has a range of access control levels for users, and HC3 admins now have far greater control over user access. In addition to Read-Only and Admin access levels, users can be given a number of different access roles that limit access to certain functionality. For instance, a user may be given access to create and modify VMs, delete VMs, perform backup and replication functions, modify cluster settings, or power on and off VMs or cluster nodes. Admins can modify user access control for security and changes to access take place immediately. HC3 appliances are a perfect fit for edge computing needs in remote locations. Single Node Appliances and 3-node clusters are the right size for edge computing for most organizations. For those edge computing needs that require something more specialized to accommodate multiple edge computing locations, we offer HC3 Edge. With HC3 Edge, we will work with you to create custom appliance configurations to meet your specific edge computing requirements. **Contact our sales team for more information.**

HC3 Cloud Unity

Now you can extend HC3 into the cloud with HC3 Cloud Unity. Google Cloud Platform's nested virtualization allows HC3 instances to run your virtual workloads providing disaster recovery with HC3 Cloud Unity DRaaS. The elasticity of the cloud makes this a perfect solution to provide DR in a secure public cloud while controlling costs. Our integrated L2 VXLAN networking connects your HC3 on-prem with HC3 in the cloud as if it is on the same local area network. [Click here for more information.](#)

Storage Deduplication and Improved Detail

Storage deduplication reduces the storage footprint of data stored on virtual machines. Virtual disks are deduplicated, post-process to eliminate duplicate data blocks and free up storage with minimal impact to running VMs. With deduplication, disks can hold considerably more data than previously allowed within the same physical disk capacity. Along with the deduplication, the storage details available in the HC3 Web interface have significantly improved with more information on utilization and efficiency.

Multi-Cluster Remote Management

Multiple clusters can be monitored in a single view within the HC3 Web Interface. The intuitive design shows the status of multiple clusters that can be local or remote to keep tabs on your entire enterprise of HC3 nodes and clusters. Whether they are single nodes in remote offices or DR targets, or multi-node clusters, the new multi-cluster view provides at-a-glance monitoring of all your HC3 assets.

Multi-User Administration and Logging

Multi-user login, administration, and role-based access are available so you can better manage your multiple admins and users. Multiple users may log in with their own credentials to perform their own administrative functions. Logging keeps track of administrator access to assist in management and troubleshooting.

Disaster Recovery Planning Service

If you want a comprehensive disaster recovery plan for your HC3 system, this new service is for you. Including planning, identifying dependencies, prioritizing workloads, and DR testing, this service will make sure you are meeting or exceeding your SLAs for recovery and minimizing data loss. It never hurts to have expert help when planning for disaster. [Click here to learn more about the Disaster Recovery Planning Service.](#)

Single Node Appliance Configuration

HC3 used to require a 3-node cluster as the minimum configuration but not anymore. Now, a single appliance can be deployed all by itself. While a cluster is preferable for high availability and primary production, a single appliance can be more than sufficient for disaster recovery, remote or branch offices, or even for the small “s” of the SMB. [Click here to learn more about the single node appliance configuration.](#)

Bulk Actions

You can now perform a number of actions against groups of VMs in the HC3 web interface. The action will be performed against all VMs displayed, so you can use the tagging and filtering capabilities to create groups that you commonly need to perform the same action against. The available actions include clone, snapshot, delete, and power options (power on, shutdown, etc). [Click here for a video demo!](#)

HyperCore Enhanced Automated Tiering (HEAT)

In order to make the most efficient use of the new flash storage within HyperCore, we designed an automated, intelligent mechanism to allocate storage across the tiers. Not only do we begin allocating to flash by default for each virtual disk, but we allow you to tune the relative priority with a simple, intuitive slider bar. This tuning capacity allows you to increase the allocation of flash for workloads that have higher I/O requirements while decreasing the allocation for virtual disks and workloads that have minimal I/O needs. [Click here for a video demo!](#)

Check out our full range of HC3 products and features at www.scalecomputing.com

About Scale Computing

Scale Computing HC3 software eliminates traditional virtualization software, disaster recovery software, servers, and shared storage, replacing these with a fully integrated, highly available system for running applications. Using patented HyperCore™ technology, the HC3 self-healing platform automatically identifies, mitigates, and corrects problems in the infrastructure in real-time, enabling applications to achieve maximum uptime even when local IT resources and staff are scarce, making it the ideal application platform for distributed enterprises, global retailers, and SMBs alike. Scale Computing is the highest rated and best reviewed HCI solution by happy customers in [Gartner Peer Insights](#), [Spiceworks](#), [TechValidate](#), and [TrustRadius](#).

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