SCALE-OUT
ARCHITECTURE

Targeted Scalability for
Dynamic Workloads that
Demand Flexibility

BUILT IN

- ☑ Storage, HCI, or Backup Controller
- ☑ Integrated RAID Controller
- ☑ Enterprise NVMe, SATA, SAS drives or SSDs (flash)

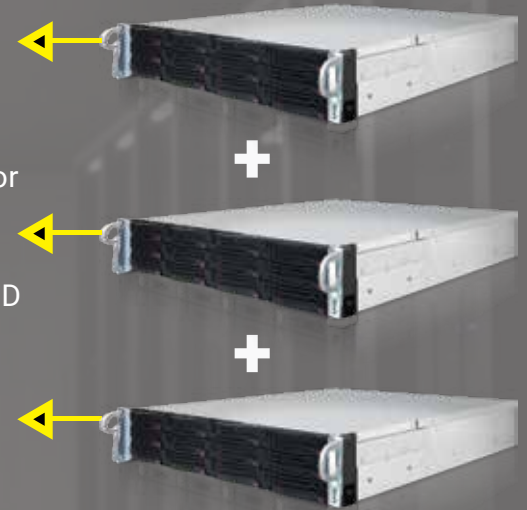## SCALE OUT PERFORMANCE, CAPACITY, AND REDUNDANCY

With a specific focus, StoneFly Scale-Out Systems are built for customers that prioritize **targeted scalability**. This architecture can be used for storage, hyperconverged, or backup and diaster recovery systems. The basic configuration starts at a minimum of three nodes and can scale up and out to any number of appliance nodes. Individual nodes have their own processor, system memory, Storage, HCI or Backup controller, integrated RAID controller, and storage drives.

It is the ideal architecture for enterprises with unstructured big data and continuously grow-ing data lakes. Scale-Out systems are often used to support workloads related to files, Artificial Intelligence, Internet Of Things, and more.

Redundant, cloud-enabled, and easily manageable, Scale-Out Systems provide a centralized management interface making it simple yet powerful.

STORAGE, HCI, OR BACKUP CONTROLLER

This configuration has three Storage Controllers (SC), HCI controllers or Backup controllers that act as the system's management layer and are configured per ordered model. All the operating systems are run on dedicated high performance NVMe tier.

RAID CONTROLLER

RAID Controllers control the storage drives and facilitate fault tolerance. It also enables high data redundancy from within the system to prevent downtime and disruption due to drive failure.

HOT-SWAPPABLE STORAGE DRIVES AND POWER SUPPLIES

The storage drives in the Scale-Out System are hot-swappable. Drives can be easily removed, added or replaced effortlessly. Scale-Out System appliance nodes are also supplied with redundant hot-swappable power supplies that ensure continued business operations in the event of a single power supply failure.

☎ +1 (510) 265-1616   www.stonefly.com   sales@stonefly.com