# Conflunt  Hyper Converged Infrastructure
## by
## Buvet Tech

Brochure

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# Conflunt HCI Solution

- In Built Server, Storage, Network, firewall, Virtualization, and Management services are natively available.
- No Single Point of Failure
- Zero data loss - During disk / a host / network failure
- Automated High Availability for virtual workloads
- Live scalability - for increasing storage space and adding additional nodes.
- Site to Site live replication - Seamless Disaster Recovery
- Failback of services facility - at VM, OS, application, database and file level
- Deployment mode - Stand alone mode (Single node), Two node (Without 3rd Party external support), Three or more nodes.

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# Conflunt HCI

- VM Operating systems : Windows and Linux (both server & Client) with 64 bit and 32 bit architecture.
- VM features:
- Create, delete, migrate, clone, backup, snapshot, template, hot plug peripherals and firewall security.
- VM Data security - At disk level and Node level
- Automated HA for VMs - With in the site and across sites (DC-DR)
- Web interface - Life cycle management of VM's, resource utilization.
- Resource utilization - at host level, VM level visibility

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# Conflunt HCI SDS

- Clustered storage architecture, scale out architecture
- Block volumes for VMs
- Cache tiering, compression and data-at-rest encryption
- Snapshots, clones and linked clones
- Multiple storage backends
  - iSCSI interfaces, File services interfaces for NFS, SMB.
- VM disk operations : Create, delete, extend, and migrate volumes
- Replication factor (2/3/more), data spreads across the cluster
- Data security : At disk level, node level and site level (DR)
- Data live replication : Mirror data Uni directional or Bi directional between multiple sites

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# Conflunt HCI Host Specification

| S.NO | Type | Specifications |
|------|------|----------------|
| 1. | Motherboard | Dual socket server motherboard |
| 2 | Processor | Intel Xeon 1st & 2nd Gen scalable processor |
| 3 | Memory | 32 GB DDR4 ECC, scalable up to 1 TB. 16 memory slots. |
| 4 | Storage Drives | Flash storage with SSD drives : 240 GB to 50TB Spinning drives with SAS/SATA : 1TB to 100TB |
| 5 | Network ports | 2 x 1G, 4 x 10G/25G upgrade to 4 more ports, 1 x 1G management port |
| 6 | Internal ports | 1 VGA, 4xUSB, 16 memory slots, 6 x PCIe 3.0 |
| 7 | Power supply | 600W/700W/750W redundant power supply |
| 8 | Chassis factor | 2U/3U/4U Rack form factor with 8/16/24 bays supports 2.5Inch & 3.5Inch hard disks. |