IMEC- SCALE COMPUTING HC3

OPTIMIZE MANUFACTURING OPERATIONS

JARED PEXA, LEAD SYSTEM ENGINEER

6-9-20

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Upcoming IMEC Webinars

Date	Webinar Session
June 10	Real Estate Strategies for Manufacturing and Logistics Occupiers
June 11	Protecting Your Workforce: Industrial Hygiene Solutions
June 12	Overcoming a Crisis: An Operational Perspective
June 16	Investigating your Security Environment and Incidents - Fundamentals of Cyber Security Webinar Series
June 17	Manufacturing the Future: Challenges and Opportunities
June 18	Rebuilding Your Workforce Amidst a Global Pandemic Webinar
June 23	Cash Flow in a Crisis
June 24	Affordable and Approachable Automation for Metal Fabricators with Cobots
June 25	Strategic Plan for Returning Employees
June 30	Challenge the Status Quo – Pack Like a Rebel
July 9	Key Drivers of Revenue and Profit at Machine Shops

Visit www.IMEC.org/Events to register

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SCALE COMPUTING
MODERN VIRTUALIZATION

- Solutions for Distributed Enterprise, Small, and Midmarket IT
- Leader in SMB Infrastructure Market
  - Unique technology powered by 24 patents.
- Scale Computing's DNA
  - Radically simplified management
  - High availability designed in
- Comprehensive support
- Across all Industries
  - Retail, Healthcare, Education, Financial Services, Manufacturing, Government

R&D
SAN FRANCISCO, CA

HQ
INDIANAPOLIS, IN

SALES OFFICES IN THE NETHERLANDS, UNITED KINGDOM, CANADA, SOUTH AFRICA, GERMANY

CUSTOMERS

3,000+ Clusters

10,000+ Systems

91 NPS

TECHNOLOGY PARTNERS

Lenovo — Global Distributed Enterprise

Google Cloud Platform — Single LAN On Prem & Cloud

APC by Schneider Electric — Micro Datacenter in a Box

intel — 3x Faster NVMe

NEC — Global Distributed OEM

Acronis — Backup/DR OEM

Parallels, LEOSTREAM — VDI Technology Partners

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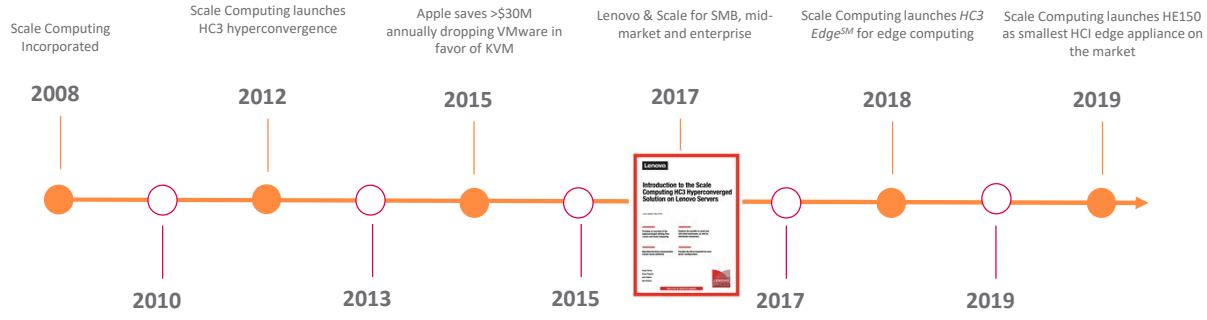
HISTORY



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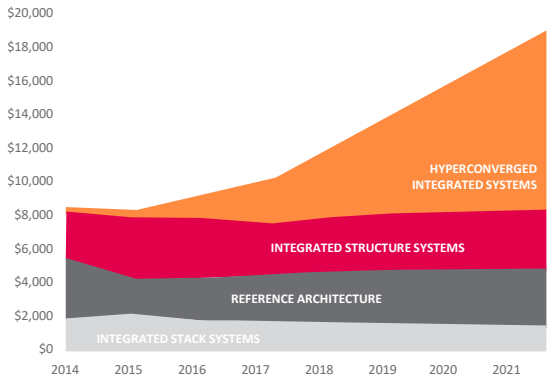
STATUS OF THE HCI MARKET
IT INFRASTRUCTURE MARKET SNAPSHOT



- Traditional storage, non-HCI market expected to remain flat (~1% 5-year CAGR)[(1)]
- BUT: HCI expected to have 48% 5-year CAGR[(1)]
- KVM-based, VMware alternatives are the fastest growing sub-segment within HCI[(2)]

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HC3 PRODUCT OVERVIEW
WHAT IS HYPERCONVERGENCE

Hyperconvergence or **Hyperconverged Infrastructure**: *Noun* - The integration of the compute, storage, and virtualization layers of infrastructure into a single solution architecture.

Servers **Storage** **Hypervisor**

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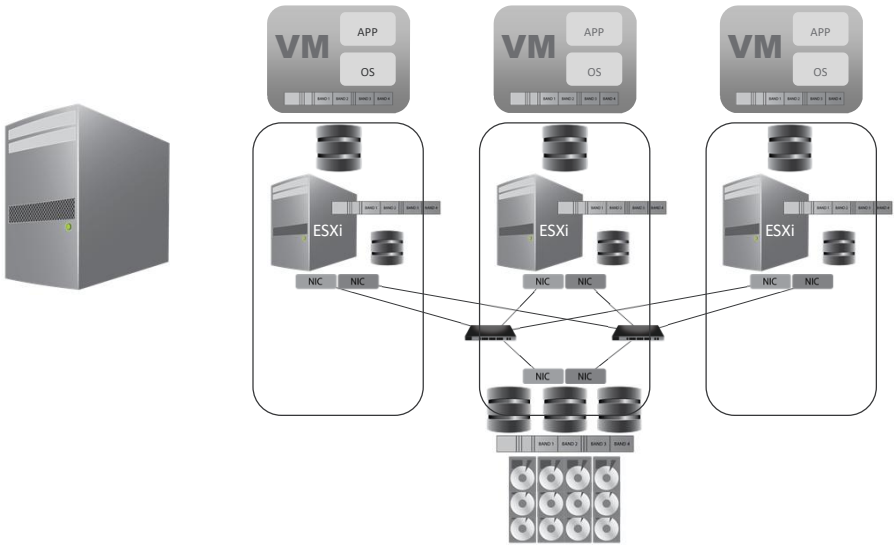
HYPERCONVERGED INFRASTRUCTURE VS. LEGACY VIRTUALIZATION

SIMPLICITY, AVAILABILITY, SCALABILITY, AFFORDABILITY



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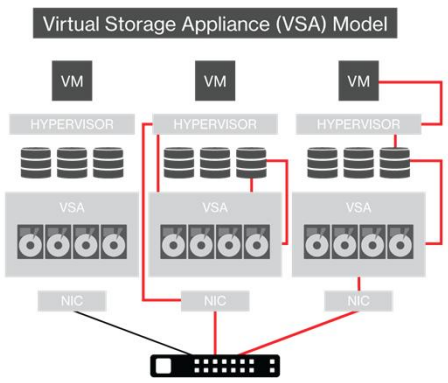
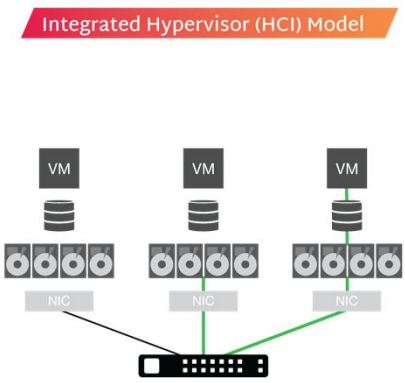
VSA VS. HC3



~ 96-300 GB RAM and 12 cores consumed to just support the Virtual SAN Appliances



Less than 12GB Ram and a fraction of a core means HC3 can run an entire SMB datacenter on what VSA requires just to boot

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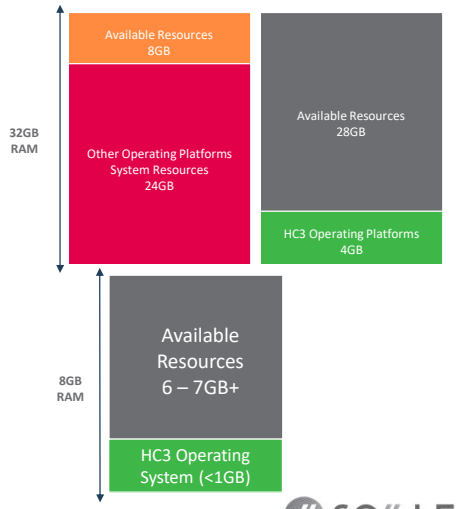
HC3 EDGE - HYPERCORE SOFTWARE STACK

- Integrated virtualization, storage, management software
- Centralized monitoring and management
- Integrated backup, replication and DR
- Designed for autonomous, self healing operation
- Ultra efficient resource usage
  - lowest possible hardware requirements and costs
- Multiple Redundancy / HA options
  - from multi-node autonomous clusters to single server operation
- Designed to handle all edge based workloads and applications
  - Legacy applications to modern designs, future proof
  - VMs, Virtual Appliances, SDN / NFV, Containers, Analytics



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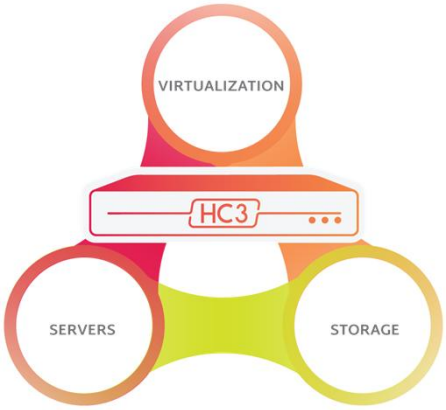
HC3 PRODUCT OVERVIEW
INTRODUCING HC3

Simplicity
- Unified Management
- Pre-configured Storage
- Deploys in < 1 hour

Availability
- Self-Healing
- Backup/Replication
- DRaaS



Scalability
- From Single Node
- Seamless Scale-Out
- Mix-and-Match

Affordability
- Complete Stack
- No Software Licensing
- Low Price, Lower Costs

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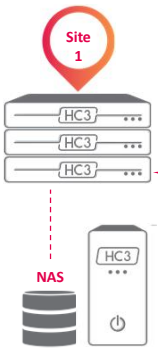
HC3 BACKUP & DISASTER RECOVERY STRATEGIES

HC3 DATA PROTECTION SUITE

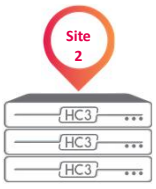


HC3 Snapshots and HA

- Instant restore
- Clustered high availability
- Snapshot cloning and export

HC3 Local Replication Target

- Failover, failback
- Rapid restore



HC3 Remote Replication

- Continuous replication
- Many-to-one support
- Failover, failback, restore
- Low RPO/RTO
- Optional replication to HC3 Cloud Unity

HC3 CLOUD UNITY℠

- Agentless VM protection
- Easily managed within HC3
- No additional licensing
- Single node support
- Integrated file-level restore
- Instant recovery of VMs/virtual disks
- Flexible, policy-driven scheduling
- Application-consistent snapshots

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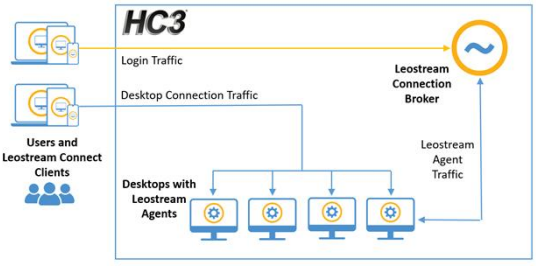
LEOSTREAM AND SCALE COMPUTING

VDI WITH HCI FOR BETTER ROI

- **Intuitive VDI** - Replace complicated VDI software stacks and expensive hardware with a single, neatly contained platform with rapid, easy deployment
- **Innovative Design** - Hyperconverged infrastructures replace and simplify traditional datacenter infrastructures
- **Simplified Provisioning** - Provision pools of Windows and Linux desktops from a single master image including persistent or non-persistent desktops, shared or personal desktops, and everything in between.
- **VDI for All** - Support nearly any display protocol, including in-browser HTML5 RDP, VNC, and SSH access, from almost any client device - including thin clients, Chromebooks, and tablets.



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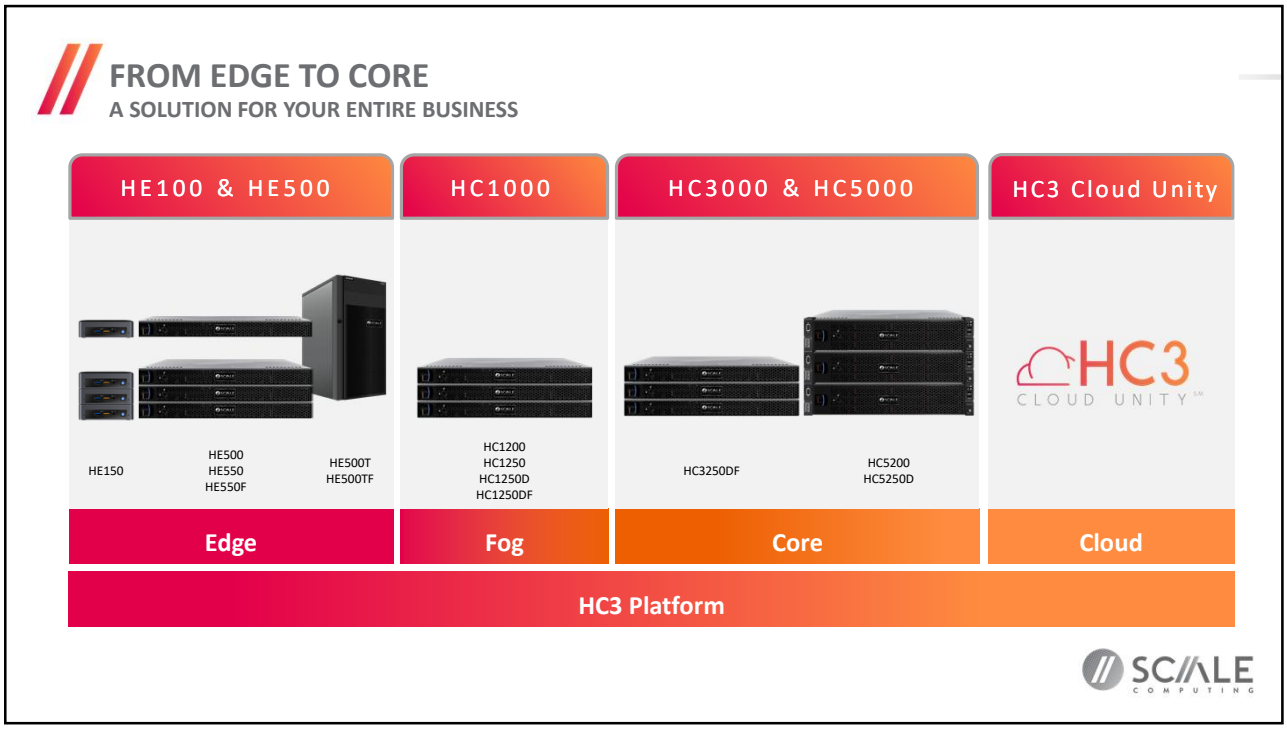
FROM EDGE TO CORE
A SOLUTION FOR YOUR ENTIRE BUSINESS
HE100 & HE500
HC1000
HC3000 & HC5000
HC3 Cloud Unity
HE150
HE500
HE550
HE550F
HE500T
HE500TF
HC1200
HC1250
HC1250D
HC1250DF
HC3250DF
HC5200
HC5250D
HC3
CLOUD UNITY
Edge
Fog
Core
Cloud
HC3 Platform
SCALE
COMPUTING

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