Scale Computing Industry Solution Brief: Manufacturing

Scale Computing Makes Manufacturing Run Better

With the incorporation of technologies like IoT, edge computing, and increasing automation, manufacturing has become more efficient and, at the same time, more complex. A simple, unified, easy-to-manage IT infrastructure can help manufacturers avoid compounding the challenges they already face.

Manufacturing organizations of all kinds are adopting hyperconverged infrastructure (HCI) to meet their infrastructure challenges. Their IT administrators are choosing Scale Computing Platform for their HCI solution because it meets their organization's needs to increase productivity while reducing both complexity and cost.

Simplicity

Scale Computing helped coin the term "hyperconvergence" in its goal to simplify day-to-day IT infrastructure management. Eliminating multiple virtualization infrastructure vendors makes SC//Platform easier to deploy and manage. Ownership of the entire storage, servers, and hypervisor stack allows for high levels of automation to eliminate tedious management tasks. IT administrators can spend less time managing infrastructure and more time on projects that will move their business forward.

- Deploys in less than an hour
- Create new VMs in minutes
- Single pane, web-based management
- Cloud-based remote site and workload management
- Automated storage management
- No-downtime system updates for hardware and software
- Single vendor support experience

High Availability

In today's 24/7/365 world, manufacturers can't afford IT infrastructure downtime. SC//Platform was designed from the ground up to be highly available. Even if a hardware component fails, or an entire appliance, a Scale Computing cluster can keep your systems running with little or no downtime.

- Redundant critical hardware components
- Automatic failover of applications from a failed appliance
- Automatic data restriping for failed disks
- Created VMs are automatically highly available
- Intelligent self-healing automation
- Replicate and failover to remote systems

"Scale Computing Platform has to be hands down the best virtualization platform I have ever used; it is robust, easy to manage and configure. It is an all-inclusive purchase; unlike VMware all licenses needed are included in the purchase price. Creating VMs is as simple as pie, a few basic selections like the number of cores, size of storage and memory allocations and you are done. I can add a new server in a couple of minutes." – Gartner Peer Insights, manufacturing ICT manager

Scalability

Over time, the IT needs of every manufacturing organization grow, even if it's not adding staff. Traditionally, scale-out has been so challenging that organizations instead plan and buy infrastructure to accommodate growth up to five years in advance. With SC//Platform, scale-out is seamless. Without having to take any VMs offline, resources are automatically made available within a scaled-out cluster. Mix and match different node types and sizes. Buy only what you need and scale-out seamlessly when you need it.

- Scale-out without downtime
- Seamless scale-out with automated storage configuration
- Mix and match hardware appliances
- Scale-out for higher VM performance

Support Wherever You Need It

In the small and midmarket sectors and at the edge, IT administrators need a partner in the datacenter, at the office, and at every branch, store, and satellite location. Think of our ScaleCare Support and Professional Services teams as an extension of SC//Platform, providing essential service and support wherever you need it.

Why the Scale Computing Platform?

SC//Platform requires less time and expertise to deploy, manage, maintain, and scale-out when needed. No other infrastructure solution is easier to use, and that translates into big cost savings.

Scale Computing HyperCore™ software eliminates the need for traditional IT silos of virtualization software, disaster recovery software, servers, and shared storage, replacing these with a fully integrated, highly available platform for running applications. Using patented HyperCore technology, the 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.

Carr Tool Steels Puts the Pedal to the Metal With SC//Platform

As an SME in a competitive industry, an up-to-date IT infrastructure is vital to Carrs Tool Steels operations to support its enterprise resource planning (ERP) system and enable the business to deliver high value products that match customer requirements, quickly and easily.

Get the whole story

"Since deploying Scale Computing our systems run much faster….now it's much easier to spin up a test server and try out new software. The speed at which I can now action tasks means I can move forward with developing and improving our ERP system, which is more valuable to the business than managing the hardware."

– Mark Mullaly, Systems Manager at Carrs Tool Steels