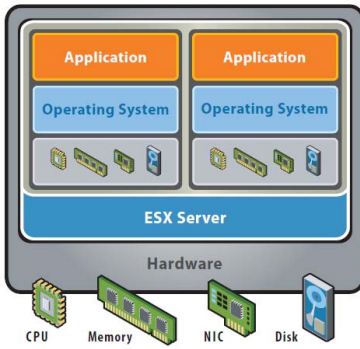


It's not a matter of whether you'll save money -
it's a matter of when.

Reduce server hardware and operating costs by as much as 50%

Virtualization



VMware ESX Server virtualizes server storage and networking, allowing multiple applications to run in virtual machines on the same physical server.

At-a-Glance

As a VMware partner, Digital Controls provides consulting and services

- **Proof of Concepts**
- **Implementation Planning & Design**
- **Staging, Configuration & Deployment**

Traditional server infrastructures are expensive, inflexible and provide sub-optimum service.

Money is wasted procuring, provisioning, and maintaining servers with **utilizations often below 20%**.

Infrastructure changes are complex and costly when applications require dedicated servers.

System administrators spend valuable time on break-fix and mundane management activities.

By consolidating servers with VMware Virtual Infrastructure, **customers reduce capital and operating costs by up to 70%** while exceeding service level agreements and creating a dynamic infrastructure that can easily grow to meet the needs of the business.

The Challenge

Many organizations continue to see explosive growth in their computing needs putting greater demands on both IT infrastructure and IT organizations to deliver results while budgets continue to tighten in an ever-competitive economy.

IT organizations have responded by scaling out their infrastructure with low-cost, industry standard x86 servers, usually dedicating a single physical server for each of their applications. Meanwhile, processor speed and power continues to grow exponentially.

This has led to a new set of challenges:

- **80% of servers are underutilized - running at 10-15% of capacity**
- **Data centers consuming unnecessary electric and air conditioning capacity**
- **Server sprawl making server management difficult at best**

System administrators end up spending time on break-fix, mundane provisioning activities, or working off-hours to maintain servers and applications.

The Solution

Infrastructure virtualization addresses all of these problems by transforming IT administration.

By running applications and operating systems in virtual machines, IT administrators can consolidate multiple workloads onto a smaller number of physical servers – thus simplifying management and provisioning.

Users report consolidation ratios of **10 to 1**

saving 40% on average in hardware costs and significant reductions in data center power and cooling expenses.

In addition to central management and monitoring, virtual machines can be deployed as easily as copying a file. Deploying a new workload now takes minutes rather than the days or weeks it takes to requisition a physical server.

The crown jewel in this line up is automation. VMware Virtual Infrastructure can automatically manage the dynamic distribution of resources, assigning computer power to applications only when needed and to the extent needed (or specified by policies). This results in less time and less people focused on simple day-to-day management tasks.

Virtualization Services

Scope

In today's business climate, your network infrastructure is one of the most crucial resources within your organization.

Our customers use virtualization to optimize the management of their IT datacenter, improve their business processes, and increase resource utilization.

When you're trying to discern the right virtualization direction – a roadmap helps.

Digital Controls can provide your IT team with an introductory meeting to determine how to plot the best course for your organization to take full advantage of the virtualization technologies.

You could cut datacenter costs up to 50% - good for the environment and your budget.

Consolidating your servers can cut your IT costs by as much as 50% and double utilization while also saving on power costs.

Reduce your deployment time; manual configuration is a thing of the past. Deploy a virtual machine in minutes.

Automate resources. In a few clicks, you can manage resources, assign processor power, and migrate virtual machines. Your end-users will never notice a thing has changed.

When you're trying to discern the right virtualization direction – a roadmap helps.

We can provide you with the guidance required to ensure you've accurately plotted the best route to achieve the virtualization benefits you desire.

Here's how it works:

- **Proof of Concept** Inventory classification, server candidate identification & selection; hardware sizing and implementation services
- **Gross Consolidation Planning** Formal ROI, Reduce, reuse, - save
- **Implementation Planning** High Availability, Disaster Recovery strategies
- **Configuration & Installation** Design, configure, deploy end-to-end
- **Supplemental Services** Security and networking