



## Client Scenario

Our client was looking to modernize and move toward an enterprise level infrastructure after experiencing growing pains. The implementation of a new core software and outdated document management system was putting a strain on all aspects of their current network, both internally and externally. Eide Bailly Technology Consulting worked to virtualize many of the client's core servers and services, which provided much needed business continuity, scalability and vital disaster recovery options for the future.

### What is virtualization?

Virtualization allows you to share the resources of individual computers across your entire infrastructure, by letting you run multiple virtual machines on a single physical machine. Virtualization offers organizations a reliable and proven method for making better use of existing assets, reducing downtime and improving desktop security. This technology allows for increased utilization, decreased energy costs, consolidation of under-utilized physical servers, and a more efficient management system.

### Why should my business virtualize?

An organization should consider a virtual network solution if it is interested in:

- Reducing risks, increasing profit and preventing loss of revenue.
- Cutting significant costs associated with network/server downtime.
- Refreshing multi-server or aging server infrastructure.
- Supporting an increasingly mobile work force.
- Complying with regulatory requirements for business continuity and disaster recovery.

### How will my business benefit from virtualization?

Virtualization can enhance staff productivity, improve business responsiveness and reduce IT costs and risks. Additional benefits of a virtualization solution include:

- **Increased efficiency.** With a single management platform, you will spend less time and energy managing virtual and physical servers while experiencing higher availability and performance of applications.
- **The ability to do more with less.** The capacity and convenience of virtualization allows you to do more with less hardware, and also limits hardware dependency.
- **Improved disaster recovery and high availability.** Virtualization allows for uninterrupted operations and services in the event of a disaster.
- **Reduced maintenance.** Virtualization can drastically reduce server hardware maintenance and enables you to schedule maintenance during business hours.
- **Reduced IT costs.** Virtualization allows for increased utilization, lower application costs, minimized downtime and enhanced staff productivity.
- **Helping you “go green.”** By lowering your energy consumption through server consolidation, virtualization supports your commitment to the environment.

### Why should I choose Eide Bailly?

Our talented team of experienced infrastructure consultants is committed to improving the effectiveness, versatility and security of your IT network and your business.

Eide Bailly's team of infrastructure professionals can work with your organization's needs regarding desktop virtualization, server virtualization, or with the overall management of your virtual environment. Utilizing a variety of solutions to fit your needs, our engineers will identify the best technology for your business. We will also help you understand the overall benefit and ROI, as well as work with your team from implementation through training and, if needed, on-going support.

### Experience the Eide Bailly Difference

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## Server Virtualization Scenarios

### Major Solutions We Provide

vmware®

**Microsoft®**  
**GOLD CERTIFIED**  
 Partner

Your Scenario	Why a Virtual Solution
<p><b>Reduce Infrastructure Costs</b></p>	<p>Consolidating workloads onto a single hardware platform allows you to reduce physical servers and support your business with less hardware. It will also allow you to decrease energy consumption and costs related to server power and cooling.</p> <p>Additionally, virtualization provides an efficient, self-contained test environment that can be readily available and easily adaptable to various environments.</p>
<p><b>Reduce Administrative Time</b></p>	<p>With virtualization, the load of administrating your servers will be reduced—saving time in daily tasks or having the ability to administer more servers.</p> <p>Another time saver is with server deployment; you have the ability to quickly clone an existing system or create a new one from a prepared image.</p>
<p><b>Business Continuity and Disaster Recovery Planning</b></p>	<p>To ensure business continuity and ease management, virtual servers will:</p> <ul style="list-style-type: none"> <li>• Allow for uninterrupted operations and services</li> <li>• Provide more robust enterprise management</li> <li>• Create a more agile infrastructure</li> <li>• Simplify design, deployment and operation of complex systems</li> </ul>
<p><b>Improve Security and Reliability</b></p>	<p>Virtualization allows for minimized downtime with the ability to easily restore data on a virtual machine, as well as enabling rapid migration.</p> <p>In addition, virtualization allows for:</p> <ul style="list-style-type: none"> <li>• Enhanced security with less opportunity for attack</li> <li>• Enhanced operational security support for role-based access controls</li> <li>• Increased protection for your environment in ways previously not possible with physical machines</li> </ul>