



Solutions

Virtualization – What you should know

Virtualization allows multiple applications and operating systems to run independently on a single server. Administrators can quickly move workloads from one virtual workspace to another - easily prioritizing business needs while maximizing server resources. This consolidation eases IT management requirements and expenses.

In addition to operational efficiencies, virtualization solutions provide an affordable business continuity strategy. If your company is running multiple servers, virtualization can:

- **Improve Utilization** – Multiple workloads can run on fewer servers reducing the need for additional physical servers.
- **Simplify Operations** – Reduce the cost of implementing a clustered solution by spreading the cost of the secondary servers running as virtual machines across just one physical server.
- **Provide High Availability** - Clustering and failover is far more cost-effective and simple than conventional methods.
- **Effectively Scale** – Rapidly provision new servers for your changing business needs. We can deploy new servers for new applications in minutes rather than days.
- **Manage Disaster Recovery** – Virtual machines with centralized storage provide highly effective business continuity solutions.

New virtualization options are now viable for:

- [Servers](#) (VMware, Citrix XenServer, Microsoft Hyper-V)
- [Desktops](#) (Virtual Desktop Infrastructure, known as VDI)
- [Applications](#) (Microsoft Remote Desktop Services and Citrix XenDesktop)
- [Storage](#) (Storage area networks (SAN) interconnect data storage devices with multiple servers, and have built in redundancy)

Virtualization Considerations

Since the core of all virtualization strategies is centralized server access, appropriate **connectivity and bandwidth** is required along with proper sizing of these resources. Additionally, growth requires re-thinking your network infrastructure as full virtualization is neither possible nor economical with traditional designs.

When it comes to implementing virtualization, planning and special **hardware and software** are required. Every virtualization component has its own nuances that need to be evaluated in light of a company's requirements and budget.

Let DP Solutions' technology consultants assist with these evaluations and subsequent implementations.

[Contact us](#) today to see if virtualization is right for you or simply [complete this form](#) to schedule a [complimentary 27-point network assessment](#).