

## Server virtualization

### Server virtualization lowers costs, frees up resources and boosts IT flexibility.

By virtualizing your server landscape, you can tame uncontrolled server growth, minimize shortages of space in your data center, lower costs and make your IT environment more flexible.

As the demands on your company's IT environment increase, the server landscape often grows at an ever-faster pace. It is not uncommon for every application to run on a separate server. With this kind of uncontrolled server proliferation, you may soon have difficulties with climate control in your data center while the energy costs for operating and cooling your server fleet increase dramatically. Sycor can help you tackle these problems by virtualizing your server landscapes. We offer round-the-clock operating services 365 days a year.

Server virtualization takes advantage of the fact that many applications utilize only a fraction of the total capacity available on a dedicated server. Sycor uses VMware server virtualization software to install multiple

'guest operating systems' (Linux and Windows) on a single physical server. Each of these systems operates as a virtual server on which an application can be installed. The most suitable applications are those that generate very small loads, such as Web servers, test systems and production systems that have been vendor-approved for use with VMware (e.g., SAP ERP).

As an implementation partner, Sycor employs its expert know-how to ensure that the benefits of server virtualization are truly realized. For example, you will save resources by reducing server hardware and minimizing the energy needed for operating and cooling servers. Other positive effects include better server utilization, optimized recovery options, dramatic improvements in system reliability and availability when certain VMware modules are used, and faster installation of additional machines. In this way, virtualization becomes the basis for greener, more flexible IT.

You can profit from Sycor's expertise by letting us develop a tailored system concept that covers your current situation, your plans and availability requirements. During the implementation process, initial investments in operating system licenses and hardware are often recovered after the third server is installed. And that means a fast return on your investment.



#### Your advantages:

- Significant cost savings through reduced energy requirements and capital commitment
- Consolidated server landscape
- Highly available and secure systems
- Less floor space required
- Better utilization of servers and more flexible IT
- Optimized system recovery options
- Utilization of expert know-how

#### Your challenges:

- Rising costs of operating your server landscape
- Growing availability requirements
- Problems cooling your data centers
- Excessive capital tied up in hardware
- Underutilization of available server capacities
- Complications in installing new servers

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