

# SERVER SOLUTIONS

## VIRTUALISATION

### DRIVE EFFICIENCY AND COST-EFFECTIVENESS THROUGH A VIRTUAL INFRASTRUCTURE

Virtualisation is a proven technology that can provide guaranteed return on investment (ROI) and help significantly lower the total cost of operations. In any deployment program that aims to bring virtualisation capabilities in-house, organisations should begin with a step-by-step approach to ensure that they understand the benefits of virtualisation before moving to larger virtualisation projects.

Insight works closely with the industry leaders in virtual infrastructure technology and server hardware to advise our clients on how virtualisation can best serve your business and support your virtualisation goals.

#### ▼ What is Virtualisation?

Virtualisation is an abstraction layer that separates the physical hardware from the operating system to deliver greater IT resource utilisation and flexibility.

Virtualisation allows multiple virtual machines, with different operating systems to run in isolation, side-by-side on the same physical machine. Each virtual machine has its own set of virtual hardware upon which an operating system and applications are loaded. This ensures that the operating system sees a consistent, standard set of hardware regardless of the actual physical hardware components.

Virtual machines are encapsulated into files, making it possible to rapidly save, copy and provision a virtual machine. Full systems (fully configured applications, operating systems, BIOS and virtual hardware) can be moved swiftly from one physical server to another, allowing zero-downtime maintenance and continuous workload consolidation.

#### ▼ Virtualise through Insight

Insight's virtualisation services enable our clients to optimise and manage their IT infrastructure, from desktops to data centers, by virtualising their computing, storage and networking systems with the leading virtualisation software. This provides you with enterprise-class virtual machines that increase server and other resource utilisation, improve performance, increase security and minimise system downtime, reducing the cost and complexity of delivering enterprise services. By leveraging your existing technology, virtualisation enables the roll out of new applications with less risk and lower platform costs.

The key to the proper implementation of a virtualisation strategy is the hardware you select to run virtual machines. That's why Insight works with industry leaders to support your virtualisation goals. For either local or centralised virtualisation scenarios, the choice of hardware you make must be focused on the following key components:

- Processor - the more powerful the processor(s), the better the performance you can expect from the virtual machines.
- RAM - the more RAM you have access to, the more machines you can run at once.
- Disks - larger and faster disks will give better response times for your Virtual Machines.

Insight will provide hardware vendor-independent consultation and advice on the right virtualisation infrastructure to meet your specific business requirements.

*For more information on Insight's Virtualisation services, please contact us on 0800 333 333 or e-mail on [solutions@uk.insight.com](mailto:solutions@uk.insight.com).*

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