

# Maximizing hardware utilization: the road to greater efficiency and lower operating costs

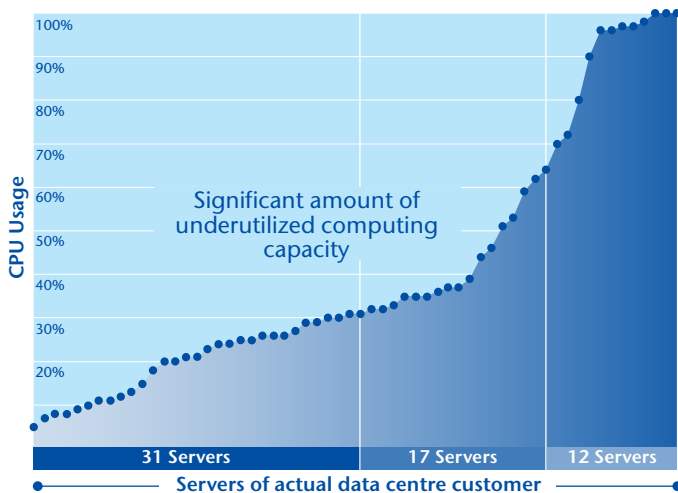
Getting the most from your IT investment is a top priority for today's IT managers. With recent advancements in central processing unit (CPU) power and server performance there is a unique opportunity for IT departments to be smarter and more efficient about how to deploy and utilize their server hardware.

## The utilization gap

CPU technology advancement is outpacing the needs of today's business applications. As many organizations typically deploy single applications on dedicated servers, much of the available server processing power is not being utilized. As a result, managers may be spending more of their IT budget than they need to on hardware and infrastructure management. This reduces the available budget for other critical IT requirements.

Server utilization rates are dropping to an all time low. Datamonitor notes that, depending on estimates, as much as 80% to 90% of the overall capacity of existing hardware systems is not utilized.<sup>1</sup>

## Server CPU utilization



One effective approach to addressing the utilization gap and reducing costs is server virtualization.

## The power of virtualization

Server virtualization technology enables a single physical server to be divided into multiple "virtual" servers, each with separate operating environments. This allows a single server to run multiple business applications concurrently and transparently, and is an ideal approach to make use of excess processing capacity.

**Server virtualization reduces overall hardware requirements and infrastructure management costs without compromising performance or service delivery.**

The challenge in adopting a virtualization strategy is finding the most cost-effective and least disruptive implementation strategy in order to minimize risk and maximize bottom line results.

## The Bell approach

Bell has partnered with industry leaders and customers to transform virtualization technology into an innovative, easy to implement and affordable solution. Express Servers from Bell has helped numerous organizations to quickly and seamlessly take advantage of the full power of virtualization to optimize their hardware infrastructure.

To find out how you can quickly optimize your organization's infrastructure and bridge the utilization gap, speak to a Bell sales representative or Bell Certified Partner today.

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