

Built for Virtualization

HP ProLiant blade servers give you the edge



With more memory and I/O connections than any other blade, the new HP ProLiant BL495c is the world's first blade server designed specifically to eliminate virtualization performance bottlenecks.

There are so many server options in the market, it's impossible to consider them all. Performance, size, connections and configuration options all must be evaluated to determine the best server for a particular environment. Add virtualization to the equation—and the dynamic shifting of workloads and compute resources that it brings—and the task of selecting an optimum solution becomes much more difficult.

Avoid the hardware kluge by choosing a complete solution

IT teams can go through the rigorous process of weighing the attributes of each server solution to find the best fit. Or they can choose a server that was built from the ground up for virtualization and the flexibility it delivers.

"Today, memory and network bottlenecks restrict the performance and number of virtual servers a physical server can host," says Jim Ganthier, Director of Enterprise Server and Storage Blades Marketing for HP.

"With the ProLiant BL495c virtualization blade, HP engineered a way to remove those bottlenecks."

While multi-core processors have become common and greatly desired hosting virtual machines, most don't provide sufficient memory or I/O linkages to take full advantage of their performance capabilities. Consequently, many organizations are buying more servers than they need simply because they have run out of memory and network connections.

HP's BL495c supports more virtual machines with better overall performance than any other two-processor blade.



"IT managers are forced to compromise," says Ganthier. "Once they run out of memory and performance slows down, they are forced to add another physical server to keep up with demand."

No need to compromise

The new ProLiant BL495c is the world's first virtualization blade designed specifically to eliminate such compromises. By increasing the memory footprint, I/O connections and network throughput while offering the flexibility needed to easily grow storage capacity, the BL495c supports more virtual machines with better overall performance than any other two-processor blade.

The concentration of power

Ganthier offers some striking comparisons: to match the memory footprint and network connections of a single BladeSystem with 16 BL495c virtualization blades, one top vendor would require the purchase of double the blades, enclosures and network infrastructure. And another major manufacturer would force organizations to buy four times the hardware.

"By supporting more virtual machines per blade," says Ganthier, "IT teams can reduce network connection costs,

lower hardware acquisition costs and get a much better return on their investment in virtual machine licenses."

The BL495c offers near limitless shared storage expansion. And it's the first HP server blade with solid-state hard drives for faster storage performance and better energy efficiency. With these features, businesses can deploy the BL495c as a standard virtualization platform that can duplicate the features of several different two-processor servers, eliminating the need to maintain multiple platforms.

Virtual acceleration made real

"The BL495c is the most affordable and flexible server for hosting virtual machine environments," Ganthier says. "It takes the benefits of virtualization to an entirely new level. Customers can reap dramatic & proven improvements in infrastructure efficiency, manageability and business value, allowing them to confidently move forward with their virtualization efforts." ▲

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