ENTERPRISE LINUX SERVER.
OPTIMISE YOUR IT VIA CONSOLIDATION AND VIRTUALISATION WITH LINUX.
SMART. COOL. AFFORDABLE.

Helping reduce costs with virtualisation and server consolidation on a massive scale.

Business benefits from an infrastructure that provides optimal performance, real-time responsiveness, application flexibility, power, and virtualisation, all with easy-to-use management.

IBM has established a Linux environment that delivers virtual Linux servers allowing you to tackle the issue of mid range distributed server sprawl, by consolidation onto a secure centralised infrastructure.

Linux combined with IBM's industry leading virtualisation technology, z/VM running in a System z environment delivers the high level of availability and productivity required in today's global-networked environment.

Leveraging all these exceptional System z capabilities with Linux on z/VM can provide the opportunity to improve total cost of ownership of IT infrastructure.

This ELS offering is a combination of a System z10 BC Linux only server, virtualisation software and three years of IBM support, enabling cost effective consolidation of multiple distributed workloads.

Helping to reduce costs with virtualisation and server consolidation
One IBM System z server running z/VM Version 5 can do the job of many distributed servers scattered across the enterprise. The combination of Linux, the z/VM hypervisor and IBM mainframe technology can address infrastructure simplification issues faced by many enterprises, while providing greater availability, scalability, security, and reliability. The Enterprise Linux Server (ELS) environment offers flexibility and management characteristics that can make it possible for you to satisfy the requirements of an On Demand Business and deploy new virtual Linux servers and application environments in minutes.

The complexity of maintaining large numbers of distributed servers can be relieved with a single Enterprise Linux Server, and can reduce costs by requiring less floor space, power and cooling. Simplification of the network can provide savings and reduce cabling, hubs, switches, and routers, as well as help to reduce maintenance effort. By centralising on an ELS, application communication and data handling can be optimised and critical data made secure.

This can help to improve responsiveness and reduce unnecessary duplication of data. With the portability of Linux, applications may be moved quickly and easily to an ELS environment.

IBM mainframe servers

Multiple Linux systems on ELS can be easily created and managed with z/VM. Linux server images can share physical resources as well as programs, data and internal high-speed communications.

Businesses can benefit from an infrastructure that provides optimal utilisation, real-time responsiveness, application flexibility, reduced power requirements, and virtualisation, all with the advantage of centralised management. At the heart of this infrastructure is the latest IBM System z technology, designed from the outset to deliver maximum utilisation, optimised for integration and designed to handle the transactions and data of an on demand world.

Access to a Linux environment

IBM has established a Linux environment that delivers virtual Linux servers so developers can port, test and develop new software technologies for the System z platform. For registration procedures and terms of service for the community Development System for Linux, go to: ibm.com/systems/z/os/linux/lcds/

Always on

IBM mainframe technology delivers the high level of availability required in today's global-networked environment. Linux running in an ELS environment can leverage this high level of availability for its workload. Even in a single footprint, the platform is designed to avoid or recover from failures to minimise business disruptions. High availability is realised through component reliability, redundancy, and design features that assist in providing fault avoidance and tolerance, as well as permitting concurrent maintenance and repair.

Another aspect of availability is non-disruptive growth, in most cases enabled by IBM Capacity Upgrade on Demand. These servers have the capability to add processor capacity and virtual servers non-disruptively.

End-to-end consolidation

The growth of Linux and Open Source solutions in the IT world – from an interesting technical exercise to a recognised platform for enterprise applications – is changing the way companies think about their computing models. Linux on this IBM platform can deliver infrastructure simplification and legacy modernisation by taking advantage of the outstanding mainframe and z/VM virtualisation capabilities.

To reduce the cost of your IT infrastructure IBM can provide a competitively priced entry System z10 BC configured as a virtualised Linux server enabling large scale consolidation of distributed workloads. Through such consolidation the benefits of centralisation and reduced total cost of ownership can be achieved.

For further information, please send an e-mail to:
dco@uk.ibm.com quoting ELS as the subject.

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