



Virtualised Datacentre (VDC)

Increase business agility and decrease IT costs by up to 50 per cent with Computacenter's Virtualised Datacentre (VDC) solutions

What we do

Organisations need faster, smarter and cheaper IT if they are to meet their business objectives for greater cost reduction, agility and efficiency. Simplified IT is the key to achieving these goals – especially within the datacentre, where demand and costs are constantly growing.

Although many organisations have started their datacentre optimisation journey through the adoption of virtualisation, they are unlikely to have realised the maximum business benefits. For example, server virtualisation efforts will often have been implemented as a discrete solution for a specific business service rather than as a holistic improvement programme for the entire datacentre. As a result, opportunities to enhance other critical resources will have been missed, leading to a lower ROI.

VDC is a prime example of how an end-to-end approach can readdress such ROI imbalances and enable greater business agility. A VDC combines a number of pre-architected virtualisation technologies - spanning server, network and storage resources - with software management tools; all of which have been optimised to simplify deployment, management and reduce total cost of ownership.

Computacenter helps organisations design, implement, manage and host VDCs, which can involve technologies from single or multiple vendors.

As well as providing point VDC solutions, including VCE Vblock, Exadata, NetApp SMT and HDS UCP, we also help organisations achieve their business goals through IT optimisation methodologies such as HP's Converged Infrastructure and IBM's Dynamic Infrastructure.

How it helps

VDCs dramatically reduce the time needed to achieve fully integrated, optimised IT environments and also reduce transformation risks by effectively applying a pre-approved and certified solution.

As well as minimising risk and maximising asset utilisation, VDC solutions mobilise IT workloads into controlled and elastic containers that can be easily migrated between an organisation's internal datacentres, to shared hosting facilities or to private/public cloud environments. This provides organisations with the flexibility they need to simplify the adoption of cloud or alternate delivery models.

Organisational benefits include:

Cost Reduction:

By increasing asset utilisation, automating IT management and minimising power consumption, VDC's can help reduce capital and operational spend by up to 50 per cent.

Risk Reduction:

Centralised management of IT assets and business data increases security and decreases downtime. The transparency of costs associated with loading on different systems and business applications also allows organisations to much better predict future spend.

Agile IT:

VDC solutions simplify the deployment and management of computing resources, enabling organisations to react more quickly to changing business demands and accelerate the deployment of new applications. It also boosts IT service levels as IT staff reduce time spent on 'keeping the lights on' and can instead focus on service delivery and innovation. And finally, a more flexible optimised datacentre is the foundation for cloud enablement and other delivery models.

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Why we are different

Computacenter combines its industrialised services and proven methodologies with industry best practice to deliver cost-effective VDC solutions, while minimising risk.

Breadth and depth: Computacenter has over a decade of experience of delivering complex datacentre virtualisation, consolidation and relocation projects. We have several 'special forces teams' for VDC deployments, which bring together our leading consultants within the server, storage, networking and automation fields.

Vendor independence: Computacenter has the highest levels of accreditation with VDC vendors such as HP, IBM, VMware, Cisco, EMC, HDS, Cisco, NetApp etc. We take a solution approach focusing on individual customer needs rather than a 'one-size fits' all approach.

Risk-free testing: Computacenter's multi-vendor testing facility, Solutions Centre, houses the first Vblock 2 deployment in EMEA, with other VDC variants soon to be available for customer testing. The Solutions Centre enables organisations to evaluate the benefits of VDC technologies and make more intelligent investment decisions, thus reducing risk. Other types of validation work we have delivered for customers include Oracle database validation; platform selection and validation; cross-platform automation; and virtualisation benefits assessment.

Cost underwriting: Computacenter is so confident of the ROI and total cost of ownership associated with VDC that we are prepared to under-write financial savings for qualifying customers following an infrastructure analysis and assessment.

Where we have done it

A leading airport operator discovered first-hand the financial and flexibility benefits of this approach after implementing a VDC solution in May 2010.

Computacenter assisted at every stage of the project – from evaluating the company's existing datacentre environment and the best workloads to migrate to the virtual devices to testing and integration.

The VDC provides the company with a virtual pool of processing power that can be quickly provisioned to respond to business events and growth in demand. For example, the company has been able to reduce provisioning time for a server from four to six weeks to just one day.

As a result of implementing a VDC, the airport operator has made significant cost savings as well as vastly reducing datacentre power and cooling requirements, which will cut carbon emissions by an estimated 1,239 tonnes per annum.

What next?

To find out how Computacenter's VDC services can help you, please contact your account manager or email:

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