



# Converged Infrastructure

A blueprint for IT optimisation, HP's Converged Infrastructure helps organisations reduce datacentre costs and complexity while increasing agility

## Business Challenges

Datacentre complexity has reached breaking point for many businesses. Server sprawl, growing storage requirements and hierarchical networks are preventing organisations from getting maximum value from their datacentres.

A disjointed and inefficient datacentre can also impact a company's overall agility and profitability. To respond quickly to business change and launch new customer services, datacentre systems need to be easy to configure, network, orchestrate and manage.

Achieving this level of flexibility, however, can be costly and time-consuming without optimised resources, processes and management tools.

Removing IT management complexity is essential – organisations currently commit around 70 per cent of their IT resources to 'keeping the lights on' leaving just 30 per cent for differentiating IT.

## Key Benefits

HP's Converged Infrastructure removes complexity from the datacentre and enables organisations to achieve more with their existing IT assets and capacity.

This will:

**Improve cost control:** By enabling a smaller datacentre footprint, increased utilisation and orchestrated processes, HP's Converged Infrastructure reduces the support overhead and minimises the need for investment in new hardware. A converged infrastructure will also provide the foundations needed for cost-effective IT delivery models, such as cloud computing.

**Facilitate growth:** HP's Converged Infrastructure makes the datacentre more agile and efficient, so organisations can shift the focus of IT spend from 'keeping the lights on' to enabling business growth and innovation. For example HP Insight Control can reduce server provisioning time to 20 minutes while HP FlexFabric enables rapid changes to datacentre connectivity.

**Minimise environmental impact:** With thermal dynamic cooling, intelligent power management capabilities and fewer devices, HP's Converged Infrastructure will not only reduce your organisation's energy consumption and bills but also its carbon footprint.

**Mitigate risk:** Integrated management tools, such as HP Insight Control, mean businesses can respond more rapidly to disaster situations or hardware faults, which helps to safeguard business continuity and minimise any disruption to critical customer services.

## What is Converged Infrastructure?

HP's Converged Infrastructure provides a blueprint for achieving more efficient and cost-effective IT, especially within the datacentre. The unification of IT is at the heart of HP's Converged Infrastructure strategy, which is based on four key elements:

- Virtual resource pools
- Energy management
- Dynamic network
- Automated management

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## Deliverables

One of Computacenter's Virtual Datacentre solutions, HP's Converged Infrastructure is founded on four key components:

**Virtual resource pools:** We implement the processes, technologies and management tools organisations need to configure, provision and support flexible resource pools, including servers, storage and networks.

**Energy management:** By leveraging solutions such as HP Power Manager and HP Data Center Smart Grid, we help companies monitor, manage and reduce the energy used by their resource pools.

**Dynamic network:** Computacenter uses HP Virtual Connect and HP Flex Fabric to create a 'wire-once' datacentre that responds to application and workload changes without the need for extensive administration.

**Automated management:** From provisioning new virtual servers to moving workloads, we help organisations take advantage of orchestration tools and automated processes to optimise day-to-day datacentre operations.

## Why Computacenter

Computacenter and HP help organisations develop a converged infrastructure roadmap that meets their business needs and budget. By carrying out a maturity assessment, will be able to identify the optimisation strategies and datacentre technologies that are right for each individual customer.

Computacenter's end-to-end experience means we can assist with every facet of a converged infrastructure – from networking and storage to server platforms and security – and pinpoint opportunities for optimisation and consolidation.

As a long-term partner of HP, Computacenter has extensive experience of its hardware and software and is an accredited gold partner and services partner. Computacenter was also one of the first partners in EMEA to be certified as an HP Converged Infrastructure specialist.

By combining our HP expertise with our pragmatic approach and industrialised services, we enable organisations to understand and unlock the full return on investment from implementing a converged infrastructure.

## What next?

Computacenter can provide assistance at every stage of your journey towards an optimised infrastructure. We will help you identify and implement the technologies and strategies, such as HP's Converged Infrastructure, that will support your current and future business goals.

To find out more email:

[optimised.environment@computacenter.com](mailto:optimised.environment@computacenter.com)

or call:

+44 (0)1189 126 970

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