

Case Study



Data Center Consolidation for a Global Telecom Service Provider

Abstract

Infosys proposed reduction in costs of around USD 900K / year for a leading telecom major in UK, by consolidating data centers at 5 major locations in UK

The Client

The client is one of the world's leading providers of communications solutions and services. The client's principal activities include networked IT services, local, national and international telecommunications services, and higher-value broadband and internet products and services.

Business Need

The client had around 2500 servers and had data centers at 5 major locations in UK. The servers were part of multiple domains, workgroups, etc. The client wanted to consolidate the data centers in order to reduce costs.

Infosys' Solution

Infosys partnered with the client to study in detail the current server and storage infrastructure and came up with a data center consolidation assessment. As part of the assessment, Infosys ran an in-house Inventory and Performance tool from a central site and did a remote polling of servers in order to get the Inventory and Performance data which were then analyzed to determine the high level design and target architecture. Infosys proposed the road map for data center consolidation and virtualization with the following approach:

- Defined a consolidation strategy with approach, target state architecture and Risks/ Mitigation plans
- Gathered and analyzed the as-is performance reports to define the target state environment
- Considered options of re-engineering platforms to client's standardized platforms, Web, App & DB server consolidation to reduce the number of physical servers
- Virtualization was leveraged to support hosting applications into single physical server

Infosys' Approach

Infosys approach consisted of Assessment and Analysis, Architecture Definition & Solution Definition and collection and validation of As-Is Infrastructure inventory and assessment. Infosys defined a target state architecture involving architects with an optimal solution.

Challenges

- Availability of Bandwidth, Application coexistences
- Resistance to move into shared / virtual environments

Benefits

Infosys envisioned the business perspectives of the datacenter consolidation to determine the most effective strategy for the client and also helped the client achieve the following benefits:

- Reduction from 952 to 58 physical boxes using virtualization strategy¹
- Reduction in operating costs of around USD 900K / year
- Reduction of complexity in managing the servers

¹ The numbers represented are specific to this operating environment and will vary between the customer environments.



For more information, contact askus@infosys.com

About Infosys

Many of the world's most successful organizations rely on Infosys to deliver measurable business value. Infosys provides business consulting, technology, engineering and outsourcing services to help clients in over 30 countries build tomorrow's enterprise.

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