

SERVER CONSOLIDATION AND VIRTUALISATION

With IT operations rapidly expanding over the last 10-15 years, corporations have found a large number of low utilised servers that need rationalising. Amittas have the expertise to consolidate large complex environments to the optimum end state, delivering a high return on investment.

Key Benefits

- Reduced space and energy costs
- Maximising efficiency of the infrastructure
- Focus on service

Key Features

- Enhanced BCP and DR capability
- Standardisation of infrastructure
- Defined SLAs

Business Challenge

In today's ever changing technology environment, IT managers have a vast and ever increasing array of small and medium size infrastructure servers to support, requiring individual space, power, network and SAN connections.

The actual cost of running a server with these functions included is usually underestimated by the client and support services. Factor in that the utilisation of these individual servers tends to be less than 25%, the actual cost for processing power is very high.

The challenge in a modern IT infrastructure environment is to drive the utilisation up past 60% towards 80%, utilising the full CPU cycles of the server for the majority of the day.

Above all, low CPU utilisation drives up datacentre space requirements and leaves IT Managers with an expensive infrastructure to support.

Our Solution

Establishing the facts

The key to good server consolidation is establishing a fact base of inventory, CPU processing power, memory, storage requirements and application profiling. From this proper consolidation planning can begin.

Consolidation modeling

With an accurate inventory and understanding of the target infrastructure completed into a well established and industry proven sever consolidation modeling tool, the optimum solution can be found.

Planning

Once the modeling has been completed, project planning is vital to ensure the infrastructure can be transformed into the optimum solution, minimising business risks and maximising consolidation opportunities.



“Server consolidation through fact base is essential”

1 Valley Court Offices
Lower Road
Croydon
Herts
SG8 0HF

Business Benefits

By driving up the utilisation levels of CPUs the following benefits can be obtained:

- Reduced hardware and software costs
- Reduced datacentre footprint
- Reduced network and SAN infrastructure
- Centralisation of control.

Amiitas brings added value to the task of gaining formal approval to proceed with what will be perceived as a major investment with potential business service risk in order to achieve an ongoing significant reduction in cost.

Clients who have benefited from our services include:

Deutsche Bank
Hitachi
BT
Verizon
Emagine
Royal & Sun Alliance
IATA
Resolution Life

About Us & Our Approach

We pride ourselves in working in partnership with our clients to ensure business objectives are met. No matter how difficult or complex the project may be, we always work as a team and ensure all of our stakeholders are successful. We are open, honest and are trusted by our clients to honour our commitments.

Service is our business and customer satisfaction our goal. We have a can do ethos which means that we will always deliver what has been asked.

Key Deliverables

Successful consolidation and virtualisation depends on:

1. Accurate information about the current operation

The cornerstone of the project is an accurate, up-to-date inventory of hardware, software and networks, linked to business applications.

2. The ability to model the performance and integrity of solution options

The critical requirement is to understand the profile of network usage by end users and other co-operating server applications. Accurately predicting the combined network usage effect of several business applications running on the same large consolidated server is vital. Amiitas provides the ingredient to solve this problem. We use a unique network monitor - NetUsage™ – designed specifically for this purpose to profile the network usage of each server by individual application.

3. The ability to mitigate the risk of transition and migration

Amiitas brings added value specialist techniques and methodologies to the project in this area. These include automating the process of migrating from physical to virtual server environments and data migration from internal disk storage to external resilient storage systems (SAN, NAS etc).



The Amiitas Advantage

Proven Track Record of Experts

Our service delivery experts have real operational experience gained from holding senior management and executive positions at many global and blue chip companies such as Morgan Stanley, Goldman Sachs, Motorola, HBOS to name but a few. This wealth of experience, coupled with our customer diversity means that optimal solutions can be implemented in short time frames according to our customer's requirements.

Vendor Agnostic and Market Knowledge

We hold a vehement vendor agnostic position when it comes to selecting products and tools. We firmly believe in maximising the use of existing client investments and will not try to sell you something that we do not believe you require. Our extensive knowledge of the marketplace allows us to provide our clients with the advice they need when additional investment is deemed necessary.

Delivery, quality, results and value

We are business people who pride ourselves on exceeding the expectations of our clients through the quality of service we deliver and value we create. We only have one agenda, to ensure that our client's business objectives are successfully achieved!