

## Data Sheet / Virtualisation Services



Virtualisation is a method of running business applications in a virtual environment that dramatically improves the efficiency and availability of resources within an organisation

Virtual environments are created when operating systems and desktop applications are emulated and don't run directly on the physical hardware from which they were executed. And, when software is virtualised, you can run several applications and operating systems on one physical server. Virtualisation is an important and growing trend and many UK businesses are now incorporating virtual solutions as part of their I.T. strategy.

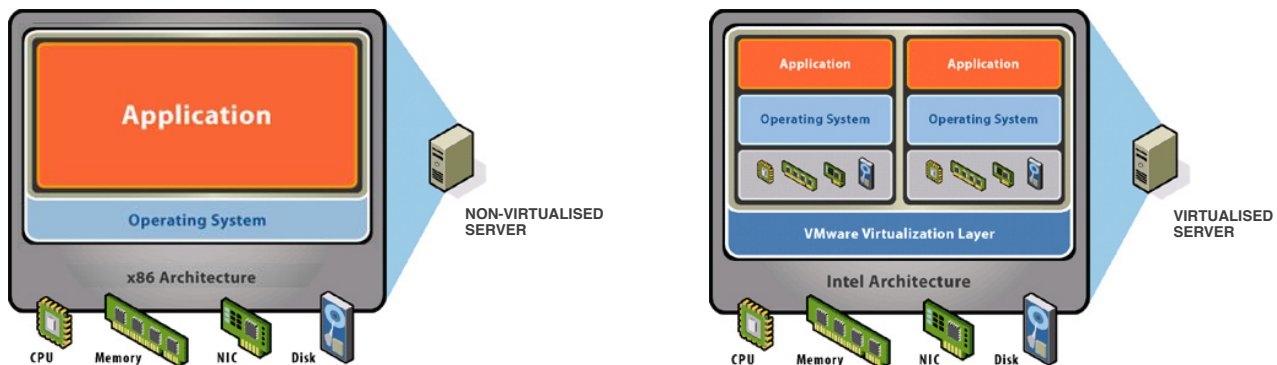
Knowledge I.T. has created a suite of Virtualisation services that have been designed to deliver best value computing by significantly improving the utilisation and performance of technology assets used within an organisation. These include Server Virtualisation, Storage Virtualisation, Desktop Virtualisation and Application Virtualisation.

### Benefits of Virtualisation:

- Significantly Improved Information
- Technology ROI
- Reduce Power Consumption
- Reduce Maintenance Costs
- Simplifies Admin & I.T. Support
- Adds Fault Tolerance to Systems
- Improves System Management

### Server Virtualisation

Server Virtualisation allows a business to run multiple virtual machines on a single piece of physical hardware. By sharing the physical server hardware across multiple operating systems and business applications, the organisation can maximise server assets to deliver significant productivity and ROI gains to the Company.



### Benefits:

- Reduction in the Number of Servers Required
- Reduced Hardware Maintenance Costs
- Reduced I.T. Administration & Support Costs

- Lower Power Consumption
- Lower Carbon Foot Print for the Business
- Improved Server Fault Tolerance
- Better utilisation of Business Office Space

### Storage Virtualisation

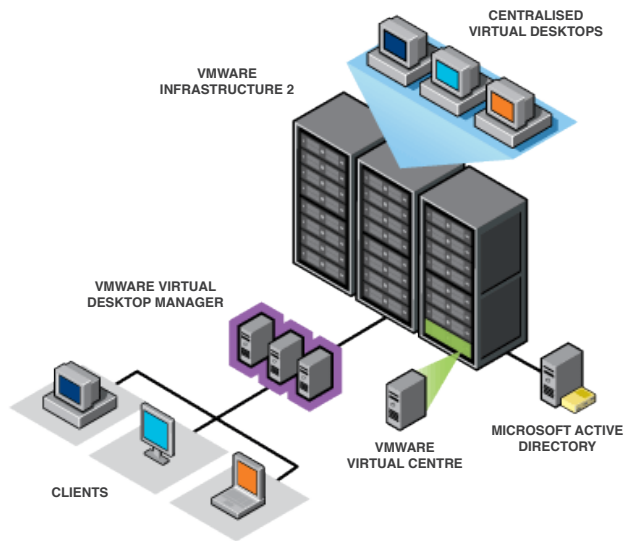
Typically, most organisations attach their storage assets (hard disks) to their physical server hardware. This restricts the available storage to the individual applications running on that specific server. The net result of this practice is that the majority of server attached storage is only 10% utilised. This leaves some applications starved of disk space, whilst others, have too much. And, with no way of effectively redistributing the spare storage capacity, the only available option is to buy even more disk space for the starved applications.

Storage virtualisation addresses storage inefficiencies by creating logical units of storage (LUN) from physical storage locations. Then by allowing servers to dynamically access the pools of common storage on demand, an organisation can vastly reduce storage costs, improve productivity and can recover key storage assets in the event of a failure.

## Desktop Virtualisation

Desktop Virtualisation solutions are designed to dramatically reduce the administration and support overheads associated with managing individual client PC's and devices. Virtual desktop technology allows an organisation to centralise the desktop interface by using virtual clients which execute on central servers and deliver the clients desktop interface as a remote application, which is both transparent and totally seamless to the user.

Virtual desktop technology delivers significant business advantages by being able to provide desktop user experiences on an individual or group policy basis. Whole departments or companies can be managed simply and efficiently accessing a consistent and familiar desktop experience regardless of individual location.

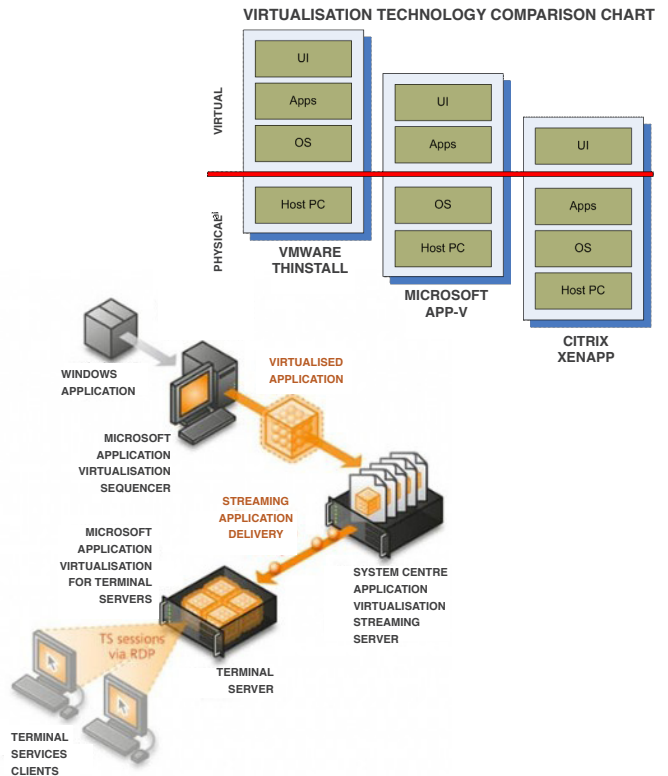


### Benefits:

- Extends the refresh cycle of Desktop PC's
- PC's can be replaced with lower cost Thin Client Hardware
- Provides a centralised but familiar user experience
- Simpler provisioning of new desktops
- Reduces administration & support costs
- Reduced power consumption
- Lower cost of new application deployment

## Application Virtualisation

Application Virtualisation provides I.T. departments with the ability to deploy software directly to a desktop computer without the need to modify or make any changes to the local operating system, file system or registry. Application Virtualisation eliminates nearly all of the complexities and support issues associated with delivering and accessing traditional applications for both fat and thin client deployments. Organisations can dramatically reduce I.T. administration, support and deployment costs by deploying Application Virtualisation technologies.



### Benefits:

- Fast application provisioning to the desktop
- Significantly Reduces upgrade and deployment costs
- Application change management in hours rather than weeks
- Dramatically reduce desktop management & support costs
- Run local & virtualised applications side-by-side on same desktop
- Reduce device driver error support incidents by up to 80%
- Improve client PC productivity & end user satisfaction



See how Virtualisation can benefit your organisation by calling Knowledge today on: 0845 898 9080

## KNOWLEDGE I.T

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