

HP Remote Client Solutions

Maywood Solutions are experts in the art of Virtualization.

By applying our tried and tested VirtualDesktop Infrastructure Methodology we can plan, design, test, deploy and manage virtual desktop solutions.

2009
Preferred Partner



HP Remote Client Solutions

Today's business landscape is changing. Compliance and security regulations are increasing. You may now have outsourced or offshore workers as part of your organisation. With emergency preparedness and disaster recovery planning and concerns about business continuity, your computing infrastructure is vital to the success of your business.



Workday extenders and home workers add to the growing complexity of IT support and management. In addition to all of this, your IT plans are now tied to your business results, so you want your IT department working on business-critical projects, not the daily break/fix activities that can chip away at their time and your end-users' productivity. Remote Client Solutions from HP can help address these issues and more.

Technology Overview

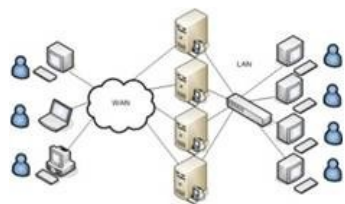
Remote Client Solutions combine hardware and software components that provide flexibility to standardise hardware and applications from the data centre to the desktop. This approach centralises computing resources in the data centre, while delivering client computing and applications to end users.

These solutions consist of centralised computing resources such as Blade PCs, Blade Workstations, or ProLiant servers hosting a virtualised copy of the desktop operating system, a client access device at the user's location, and a connection protocol that is optimised to provide a remote-user experience exactly how they would expect when in the office.

Remote Client Solutions Deployment Technologies

Server Based Computing (SBC)

Server Based Computing is a technology whereby applications are deployed, managed, supported and executed on a server located centrally in the data centre rather than installed locally on the users device. Only the screen information, keyboard strokes and mouse movements are transmitted between the server and client device.



In a Server Based Computing environment, hardware and software upgrades, application deployment, technical support, data storage and backup are simplified as only the servers need to be managed and not each individual client device. The data and applications reside on a centralised server farm rather than on thousands of dispersed clients and use Citrix XenApp or Windows Terminal Server to deliver the applications.

Existing PCs can be locked down and become terminals, therefore prolonging the lifecycle of these devices which in turn can be replaced by simpler, less expensive thin client devices during normal refresh projects.

Security is a key area within a VDI solution bringing with it major advantages. All your data is now securely stored within your data centre. Users access their own personal desktop complete with applications and data, remotely from any location or from within the office. No data leaves the datacentre, the only information sent across the network is key strokes and video screen shots - it's just like watching television!

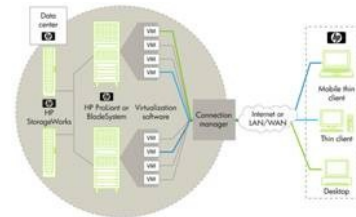


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Virtual Desktop Infrastructure (VDI)

Virtual Desktop Infrastructure (VDI) is a technology in which each user gets a complete desktop operating system and experience but their actual desktop OS and applications are running as virtual machines hosted on the server infrastructure.



VDI provides strong security and compliance as no data leaves the data centre. By employing some of the features of virtualisation software, VDI solutions can provide a high level of availability and DR whilst reducing management costs.

HP Blade Workstation Solutions

HP Blade Workstations are a remote solution that provides users with a high end workstation experience rather than a standard PC, ideal for trading floor and CAD/CAM type applications requiring multi-headed, high-end graphics. The workstation is a physical blade device located in the data centre and users connect to it over standard protocols or using the HP RGS solution. Connection to the users Blade can be made from a number of client devices, from thin clients to standard desktop PCs.



Users can be allocated a dedicated Blade so that they use the same one each time they connect or allocation can be dynamic by deploying the HP Session Allocation Manager (SAM) connection broker. This means a user will be allocated a different Blade each time they connect and therefore help with user concurrency. It also provides failover in the event of a failure.



Based on HP ProLiant technology, the Blade Workstation is physically housed within HP c-Class Enclosures in the data centre. Blade Workstations take advantage of the HP ProLiant Essentials Management Software allowing full administration and control by the IT staff.

HP Remote Graphics Software (RGS)



HP Remote Graphics Software transmits 2D and 3D images from a sender system (either a Blade Workstation or HP VDI) across the network to a receiver system (Thin Client or desktop).

Using an HP developed Codec (HP2), RGS allows for compression up to 170:1 and results in loss-less compression of the sent images. This also allows for multi-display configurations and the ability to redirect USB devices between sender and receiver.

HP Thin Client Terminal Devices

HP Thin Clients are solid state devices which are used as terminals to connect to back-end infrastructure where the operating systems and applications are running on servers.

Thin Clients, being solid state devices, have no hard drives preventing users from storing confidential information on the desktop device and instead users can only store data on the servers. By having no moving parts thin clients are far more reliable and consume a fraction of the power used by a traditional desktop PC.

Support costs are also dramatically reduced as updating software and patches is now all performed centrally in the datacentre rather than having to visit every desktop device in the organisation.

