



Cloud client-computing

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Compute continues to change

3 Billion

people worldwide now use the Internet, and many access social media



73% of workloads customers expect to virtualize by 2014





350 Million employees will use smartphones by 2016. 250M employees now bring their own device to work.



>50% of mid-market companies are using cloud models in their business (SaaS).

58 Billion

mobile application will be downloaded by 2015

2.5 Quintillion

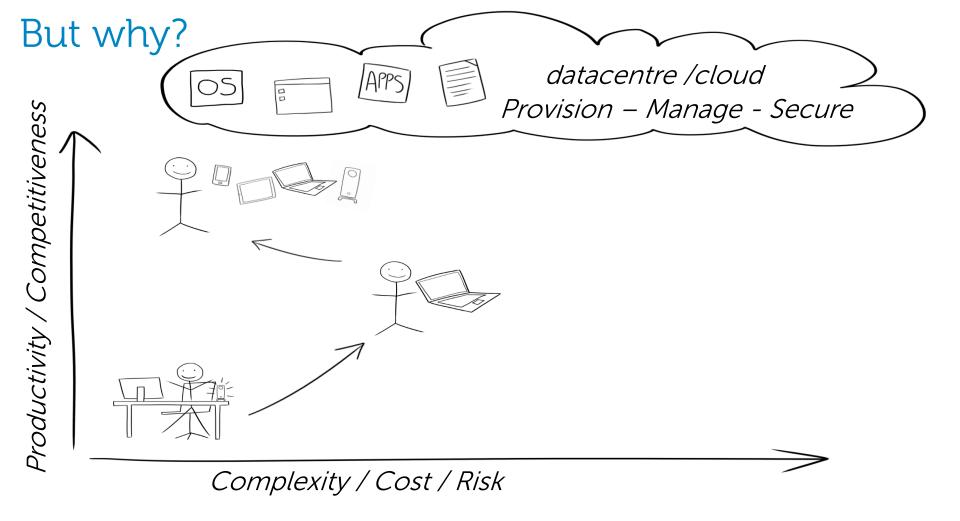
bytes of data being created every day. How will you manage that to your benefit?



What is Dell Cloud Client Computing (CCC)?







Managing desktops is increasingly challenging How do you...

"...increase endpoint and data security? "

3" ...reduce the time and cost of managing user desktops?

II ...scale desktops while controlling opex?

...implement a BYOD program?

demanding users? "

"...deliver a desktop equivalent

virtual experience to your most

II ...reduce your desktop energy footprint? II

…secure your remote and mobile users? //



What can desktop virtualization do for **you**? Centralizing desktops in the data center

Empower the workforce

Enable BYOD, improve user experience and manage any device

Optimize IT resources Reduce IT resources, scale and speed deployments

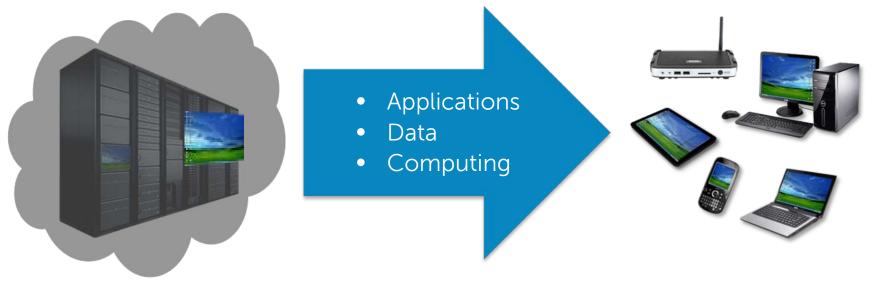
Improve security Control data, apply policies, comply with regulations and monitor risk

Manage costs Monitor and optimize total cost of ownership



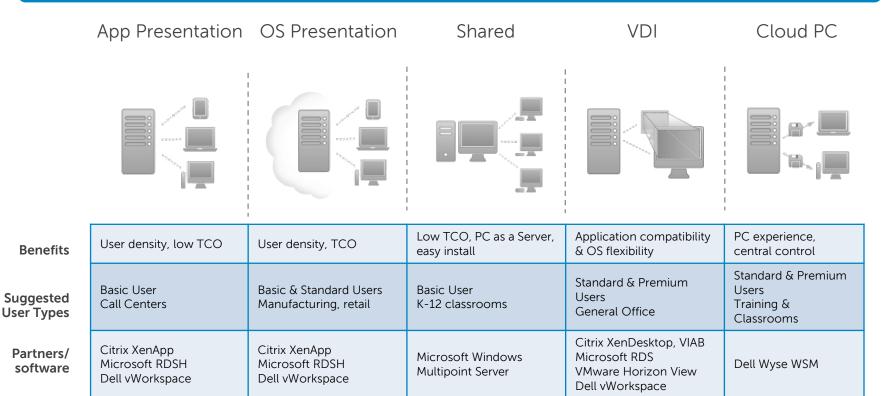
Desktop virtualization: What is it? Run desktops from a centralized location in the datacenter or cloud

Connect any user to any app on any device



Optimize desktop management, security and resources by centralizing data, applications and computing in a single location

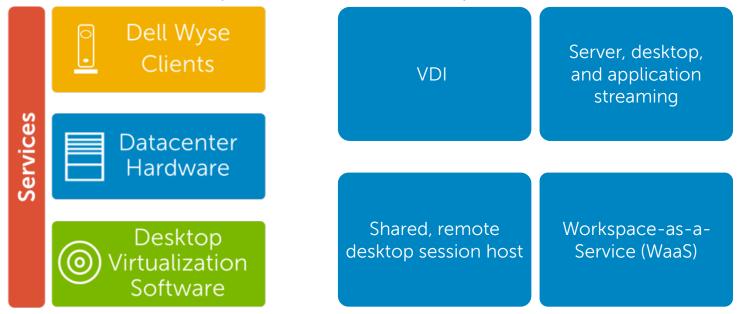
Desktop virtualization delivery models



Dell cloud client-computing offers you new options to build your own cloud

A combination of technologies and services that enable and optimize...

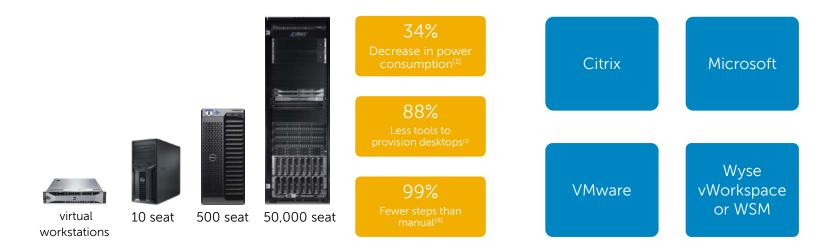
...your choice of cloud / desktop virtualization models



Wyse Datacenter infrastructure - scales with your needs

Your choice of datacenter hardware with...

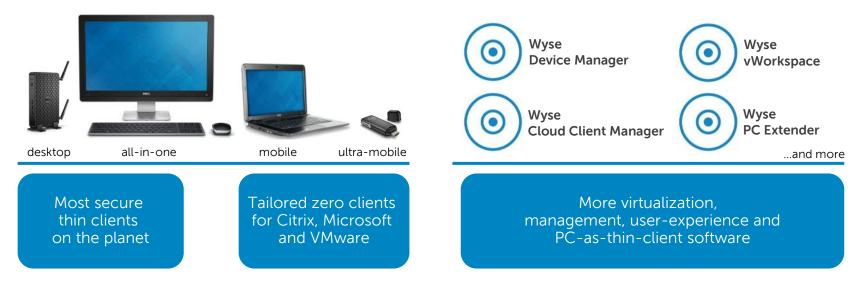
...your choice of pre-tested software options



Only Dell has spent over 100,000 engineering hours building and testing 16 partner-verified reference architectures to ensure your success across seat counts, software strategy and vertical market implementation

Wyse clients and software - reduce cost, optimize benefits

Dell offers the most extensive selection of secure, easy-to-manage thin and zero clients.



Only Dell has over 200 patents awarded for innovation in thin and zero client design, operating system design, management software, and virtualization software







Wyse Cloud Connect

Mobile thin clients

Wyse 3290



Wyse 5000 series AIO



Wyse 7000 series quad-display thin client



Demonstration Vworkspace, Zero Client, BYOD



GPU virtualization



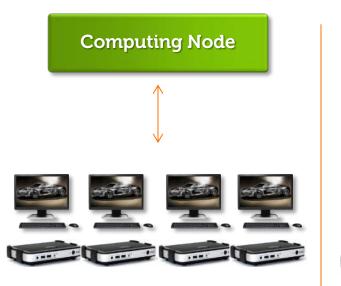
Alternative for workstations in datacenter

1:1

GPU Pass-Through

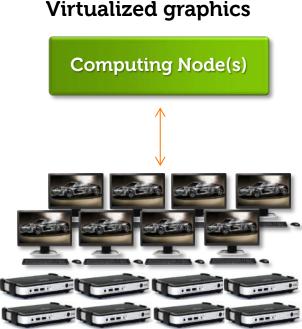


Dedicated racked workstation



Dedicated graphics card

per user



Virtualized graphics card

Nvidia GRID-Card

Nvidia GRID K1

4 Kepler GPUs 16Gb Graphics memory 782 CUDA Cores 150W OpenGL 4.x, DirectX11

Nvidia GRID K2 2 High End Kepler GPUs 8Gb Graphics memory 3072 CUDA cores 225W OpenGL 4.x, DirectX11





Virtulized workstations - Vmware

vDGA – Dedicated graphics



Horizon View

ESX/vSphere (VMware)



vSGA – Shared graphics



Horizon View

ESX/vSphere (Vmware)





Centralized Workstations - Citrix

GPU Pass Through



XenDesktop with HDX 3D Pro

XenServer (Citrix) or ESX/vSphere (VMware)









XenDesktop with HDX 3D Pro

XenServer (Citrix)





