



# Desktop virtualization typical use cases

Remote computing ICA/RDP/PCoIP	<b>Basic application access</b> <b>Thin client</b> Published applications or desktops - Call centers - Receptionists - Flight reservation agents - Hotel check-in agents - Doctor/nurse stations - POS 	<b>Full desktop experience</b> <b>Thin or zero client</b> Hosted virtual desktop - Administrative assistant - Marketing personnel - Help desk - Sales operations - Software and QA engineers 	<b>Common use cases</b> <b>Thin or zero client</b> Work from home scenarios - Call center - Customer service <b>High-performance protocol Thin or zero client</b> High-performance applications - 3D graphics - Trader - Engineering - Designer - Architect
	<b>Local computing &amp; web browser</b> <b>Web client</b> Windows thin client Terminal emulation client Terminal emulation - Bank front-desk staff - Customer service agent desks - Logistics agents Single purpose browser appliance - Internet station - Job application kiosk - Browser-based point-of-sale agent <b>Task worker</b>	<b>Cloud desktop</b> Education and training Remote sites with unreliable connectivity Applications not supported in remote environments <b>Knowledge worker</b>	<b>Mobile worker</b> <b>Cloud desktop</b> Branch office with 'heavy applications' High-security environments <b>Software thin client</b> Repurposed PC <b>Web client</b> Digital signage

# Which client for which environment?

CITRIX® Citrix® XenApp™ XenDesktop® ICA® / HDX™		Wyse vWorkspace Microsoft® Remote Desktop Services/ Terminal Server Hyper-V™ RDP / RemoteFX		Wyse vWorkspace Microsoft® Remote Desktop Services/ Terminal Server Hyper-V™ RDP		vmware® VMware® Horizon 6™ PCoIP		vmware® VMware® Horizon 6™ RDP	
Non Win 32/64 client	Win 32/64 client	Non Win 32/64 client	Win 32/64 client	Non Win 32/64 client	Win 32/64 client	Non Win 32/64 client	Win 32/64 client	Non Win 32/64 client	Win 32/64 client
Citrix HDX*	Citrix HDX	RDP/8 - RemoteFX	RDP/8	View+RDP	View+RDP	Horizon 6 Client	Horizon 6 Client	Horizon 6+RDP	Horizon 6+RDP
Wyse TCX	Citrix PS			Wyse TCX	Wyse TCX	PCoIP HW		Wyse TCX	OEM TCX MMR
PC Extender	Wyse TCX			PC Extender				PC Extender	Wyse TCX
<b>Zero Clients</b> • 3020 • 5010 <b>Thin Clients</b> • 3010 • 3020 • 5010 • 5020 • 7010 • 7020 <b>All-in-One</b> • 5040 AIO	<b>Thin Clients</b> • 3030 • 5010 • 5020 • 7010 • 7020	<b>Thin Clients</b> • 3020 • 5010 • 5020 • 7010 • 7020 <b>All-in-One</b> • 5040 AIO	<b>Thin Clients</b> • 3030 • 5010 • 5020 • 7010 • 7020	<b>Thin Clients</b> • 3010 • 3020 • 5010 • 5020 • 7010 • 7020 <b>All-in-One</b> • 5040 AIO	<b>Thin Clients</b> • 3030 • 5010 • 5020 • 7010 • 7020	<b>Zero Clients</b> • 5030 • 7030 • 5050 AIO*** <b>Thin Clients</b> • 5010** • 5020 • 7010 • 7020 <b>All-in-One</b> • 5040 AIO** • 5050 AIO***	<b>Thin Clients</b> • 3030 • 5010 • 5020 • 7010 • 7020	<b>Thin Clients</b> • 3010 • 3020 • 5010 • 5020 • 7010 • 7020 <b>All-in-One</b> • 5040 AIO	<b>Thin Clients</b> • 3030 • 5010 • 5020 • 7010 • 7020

\* Native support for HDX with Wyse ThinOS and zero clients for Citrix  
 \*\* Teradici PCoIP licensing offered as an option  
 \*\*\* 5050 AIO is available in USA only

## Wyse zero clients

These dedicated virtual desktop access devices are extremely secure and easy to deploy and manage. The range is comprised of zero clients dedicated to supporting desktop infrastructures from Citrix, Microsoft and VMware.

### 3000 & 5000 series for Citrix

Built for Citrix XenDesktop and XenApp published desktops. Minimal delays, easy to manage, and extremely secure. Power-on to productive within 6 seconds, delivering a Citrix HDX 3D experience.



### Wyse 5050 AIO PCoIP zero client for VMware

An elegant, secure, and powerful all-in-one zero client that is purpose built for your VMware environment.



### 1000 series for Microsoft Windows MultiPoint Server

A new level of affordable computing for classrooms. Designed to connect to and seamlessly support Windows MultiPoint Server 2011/2012 in education environments.



### 5000 & 7000 series for VMware

Created for VMware Horizon 6 users, the 5000 & 7000 series offer high performance PCoIP zero client workstations for 3D modelling and other processor-demanding applications plus support for up to four displays.



### Dell Services

With Wyse thin, zero, and cloud clients, customers get a complete services portfolio including Deployment Services, ProSupport and Accidental Damage service, giving Dell Wyse business partners end-to-end support throughout the product lifecycle. With Dell services portfolio for Wyse thin businesses can streamline deployment and use Dell's expert technicians for daily customer support so they can focus on innovation.

## Wyse desktop thin clients

Wyse thin clients deliver flexible access to virtual desktops and virtualized applications. Embedded operating systems provide a strong platform for future client software developments.

### 3000 series

Offers an excellent web, Citrix, Microsoft, and VMware VDI user experience on a budget. Available as: thin client.



### Intel-based 3000 series

Dual core Intel powered thin client with extreme networking and connectivity flexibility to address a vast range of use cases and environments.



### 5000 series

Versatile, compact and efficient, this mid-range dual or quad core thin client delivers a wide variety of applications, including 3D graphics and HD multimedia, with ease. Also available as a cloud desktop.



### Wyse 5000 series all-in-one thin client

The Wyse 5000 series all-in-one is a stylish integrated thin client and 21.5" display. As an exceptionally secure all-in-one, it delivers an outstanding desktop experience with extreme ease of use & management.



### 7000 series

Powerful single, dual, or quad core thin clients made for the most demanding applications. Providing the best connectivity and graphics performance Dell has ever offered. Available as: thin client and cloud desktop.



## Wyse cloud desktops

Cloud desktops combine local performance with server-based OS and application management, using the client-hosted functionality of Wyse vWorkspace on the server.



5000 series 7000 series

## Wyse Datacenter solutions

Simplify VDI and speed your time-to-value with Wyse Datacenter solutions. We combine the latest virtualization and management technologies with Dell's hyperconverged infrastructure appliances or Wyse Datacenter reference architectures, which incorporate powerful Dell servers, storage, and networking to provide a pre-engineered 'tool kit'. Add Dell Professional Services to grow and optimize your VDI infrastructure to gain the most from your investment.

- Benefits include:
  - Accelerated time to value with pre-configured, pre-engineered solutions for Citrix, VMware, Microsoft and Wyse vWorkspace
  - Flexible delivery models that include starter kits, mid-range and full rack systems, and hyper-converged infrastructure appliances to address the realities of your environment and speed your time-to-value
  - Professional services that include consulting, support, implementation and management
  - One single point of service for the entire solution
  - Tailored solutions to address various industry-specific challenges including: healthcare, government and education
  - A wide variety of delivery options including desktop virtualization, OS/image streaming, application virtualization, terminal services and Workspace-as-a-Service
  - Solutions that match the size and needs of your organization



Visit [www.dell.com/wyse](http://www.dell.com/wyse) for more information.



## Wyse management software

### Device Manager™

Lower your ownership costs through scalable remote monitoring, management and reporting of Wyse clients.

- Centralizes control of clients
- Easy-to-view status monitoring
- Full image or patch/update distribution
- Updates can be scheduled for after hours
- Out-of-the-box, auto-configuration of devices
- Detailed asset management
- Scales up to thousands of devices
- Standards-based, secure communications
- High-availability configurations offered
- Network-friendly peer assisted delivery of endpoint images, updates and patches.

### Configuration Manager™

Configuration Manager automates deployment of Wyse Windows-based thin clients through your private cloud or server.

- Self-configuration capability for Windows Embedded thin clients
- Select your desired configuration, and Configuration Manager automatically does the rest
- No imaging or re-booting required, works in concert with write-filter technology for enhanced security
- Supports SMB to enterprise environments
- Supports stationary or mobile thin clients, in or out of the office
- Includes 'appliance mode' to restrict one or more thin clients to a singular function (e.g. info-only kiosk)
- Integrates with Microsoft Active Directory, when present.

### Cloud Client Manager™

Securely embrace consumerized IT and BYOD alongside corporate owned devices, apps and content.

- Cloud Client Manager allows you to securely manage thin clients, mobile devices and employee access to corporate applications and content all from a single cloud-based console. Empower your workforce, protect your data and cut costs.
- Configure and manage Wyse thin clients and mobile devices from anywhere\*
  - Securely manage employee access to company applications and content
  - Enable user self-service provisioning for devices and corporate resources
  - Monitor user devices, track asset and application inventory and enforce policy compliance
  - Review real-time alerts, troubleshooting and audit trails.

\* Supports iOS and Android mobile devices and Wyse ThinOS thin and zero clients.

## Wyse virtualization software

Wyse virtualization software is built into Wyse cloud clients and addresses limitations previously found in virtualization, enhancing the user experience, reducing network bandwidth needs and expanding server scalability.

### TCX Suite™

TCX Suite virtualization software offers an outstanding user experience available over virtualized environments by enabling desktop and mobile users to run diverse multimedia formats (including Flash), use multiple monitors, plug-in USB devices and run voice applications.

### Multi-display

Makes virtual desktops and applications work better across multiple displays.

### USB virtualizer

Simple and revolutionary software that makes client attached USB devices visible to virtual desktops.

### Multimedia acceleration

Features Collaborative Processing Architecture™, designed to improve multimedia quality while reducing load on servers and networks.

### Rich sound

Enables virtual desktops and applications to deliver rich, bi-directional sound for applications like VoIP and unified communications.

### Flash redirection

Extends high-quality multimedia support to Flash.

### PC extender™

PC extender enables organizations to leverage the benefits of thin and virtual computing environments by repurposing their existing PC hardware into intelligent virtualized desktops.



## Dell Cloud Client-Computing Pocket guide



## Cloud client firmware options

A wide choice of advanced, innovative client firmware options available.

### Zero Clients

Secure and purpose-built for Citrix, Microsoft and VMware.

### Wyse ThinOS thin clients

Optimized for maximum thin client security and performance.

### Wyse enhanced Linux thin clients

Versatile and multi-functional.

### Wyse Windows Embedded Standard thin clients

Scalable & highly flexible.

### Cloud desktops

The power of a PC with security/ease of management of VDI.

Dell offers a complete spectrum of virtual desktop solutions

## Wyse cloud software

### Wyse vWorkspace™

vWorkspace enables the delivery of applications and desktops to users based on their unique needs. Organizations can maximize value and reduce complexity by deploying, monitoring and managing a blend of cloud-hosted (RDSH, VDI) or client-hosted desktop virtualization (WSM) technologies from a single management console. Integration with native Microsoft technologies significantly reduces the amount of storage required to support the desktop virtualization infrastructure, increases provisioning speed and ensures a quality user experience. vWorkspace Advanced Targets allow the creation of granular, context-aware assignments which organizations can leverage for increased security. User access can be defined in many ways including two-factor authentication, trusted entry point, client type or version, user, group, department, IP address, name, day of week/time of day and other variables. vWorkspace supports both Microsoft Hyper-V and VMware vSphere hypervisors.

Now available with vWorkspace, the client-hosted desktop virtualization (WSM) provides OS delivery and application layering by leveraging the local processing power of a PC with management and security benefits of your private cloud. Client-hosting delivers full PC desktop functionality without complexity by streaming everything a user needs – operating systems, media-rich applications and documents on-demand to Wyse cloud desktops or diskless PCs. You can also stream complete server images (e.g. Windows Server 2012) to targeted server hardware platforms.

The client-hosted functionality of vWorkspace is designed to scale from small, single server systems for an individual office or classroom to high-availability, multi-site deployments with centralized management. It is easy to install and integrates seamlessly with virtualized application and desktop technologies when full PC functionality at the desktop is required.

