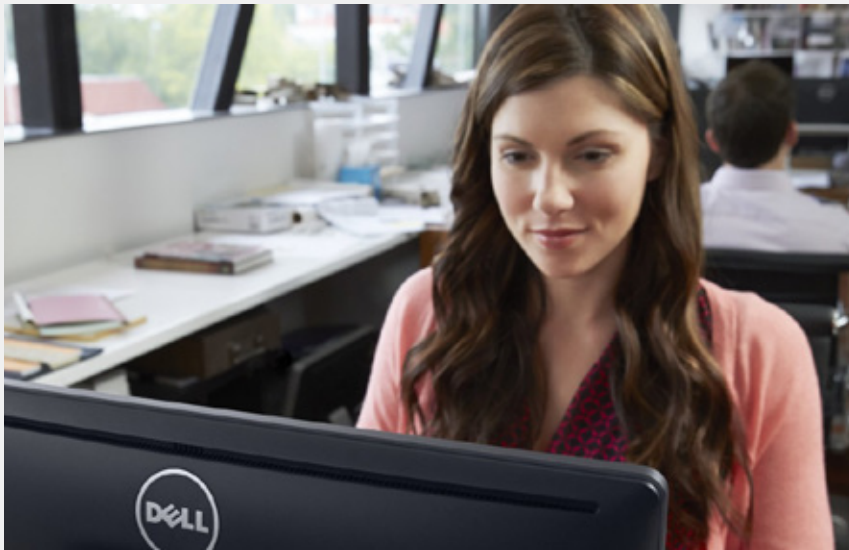




# Dell Cloud Client-Computing



## Why Dell for Client Virtualization?

Dell client virtualization solutions make it easier than ever for customers to deploy, configure and manage their VDI environments with a broad, innovative portfolio from edge to core to cloud. Dell Cloud Client-Computing associates an integrated portfolio of end-to-end client virtualization components including endpoint devices, software and services with Dell EMC infrastructure offerings. Dell EMC Ready Solutions for VDI consist of datacenter and infrastructure hardware and Hyper-Converged Infrastructure (HCI) appliances combining the latest virtualization and management technologies with Dell EMC's industry leading integrated servers, storage, networking, and Dell EMC professional services, paired with leading virtualization software, to simplify desktop and app management and scale effortlessly as your business grows.

### Benefits of our solutions and Dell and Dell EMC differentiators:

- Accelerate time to value with pre-configured, pre-engineered solutions for Citrix® and Microsoft® and VMware®
- Flexible delivery models that include starter kits, mid-range and full rack systems and hyperconverged infrastructure (HCI) appliances to address the realities of your environment
- A comprehensive and flexible infrastructure portfolio, with either traditional or appliance-based solutions, including modular HCI VDI offerings on VxRail, XC Series, vSAN Ready Nodes and Microsoft Storage Spaces Direct Ready Nodes platforms
- Variety of professional services that enhance your capabilities: consulting, support, implementation and management

- Thousands of hours of lab testing, guaranteeing predictability, scalability and an excellent end-user experience
- Extensive portfolio of secure, easy-to-manage thin and zero clients to suit budget, application and performance needs
- Leader in innovation: Over 250 patents awarded to the inventor of thin clients
- An efficient hybrid cloud management console to reduce user downtime and securely configure, monitor, manage and optimize Wyse thin clients
- One single point of service for the entire solution
- Solutions that match the size and needs of your organization
- Secure financial options through Dell Financial Services



Visit [Dell.com/VDI](http://Dell.com/VDI) for more information.



Dell offers a complete spectrum of virtual desktop solutions

## Desktop virtualization typical use cases.

Remote computing  
HDX/RDP/PCoIP/BlastExtreme

### Basic application access

#### Thin client

#### Published applications or desktops

- Call centers
- Receptionists
- Flight reservation agents
- Hotel check-in agents
- Doctor/nurse stations
- Point of services



### Full desktop experience

#### Thin or zero client

#### Hosted virtual desktop

- Administrative assistant
- Marketing personnel
- Help desk
- Sales operations
- Software and QA engineers



### Common use cases

#### Thin or zero client

#### General purpose computing

- Call center
- Customer service
- Work from home scenarios
- Corridor warrior

#### High-performance protocol Thin or zero client

#### High-performance applications

- 3D graphics
- Trader
- Engineering
- Designer
- Architect

#### Software thin client

- Repurposed PC
- BYOD device

#### Web client

- On-the-go professional
- Information kiosk

Local computing  
& web browser

#### Web client

#### Terminal emulation client

#### Windows thin 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

#### Task Worker

#### ThinOS thin client

#### ThinLinux thin client

#### Windows thin client

#### Education and training

#### Remote sites with unreliable connectivity

#### Applications not supported in virtualized environments

#### VPN connectivity to legacy apps

#### Knowledge Worker

## Which client for which environment?

Citrix	Microsoft	VMware			
Citrix XenApp™ Citrix XenDesktop®	Microsoft® Hyper-V™ Remote Desktop Services/Terminal Server	VMware® Horizon™			
Citrix ICA® / HDX™ Win32/64 client	RDP-RemoteFX Win32 client	Horizon Client, Win32/64 Blast Extreme, PCoIP and RDP	✓	✓	✓
Thin Clients with Windows Embedded (WES7/WES7P): Wyse 3030, 5010, 5020, 5060, 7010, 7020, 7040*			✓	✓	✓
Thin Clients with Windows 10 IoT: Wyse 5020, 5060, 5070, 7020			✓	✓	✓
Citrix ICA® / HDX™ non-Windows Client	RDP – RemoteFX non-Windows client	Teradici chipset (PCoIP)			
<b>Thin Clients with ThinOS</b> · 3040 · 5010 · 5060 · 5070 · 7010	<b>Thin Clients with ThinOS</b> · 3040 · 5010 · 5060 · 5070 · 7010	<b>Zero Clients for VMware</b> · 5030 PCoIP zero client · 7030 PCoIP zero client		✓	
<b>Thin Clients with ThinLinux</b> · 3040 · 5070	<b>Thin Clients with ThinLinux</b> · 3040 · 5070	<b>Horizon client, non-Windows Blast Extreme, PCoIP and RDP</b>		✓	
<b>All-in-One with ThinOS</b> · 5040 AIO	<b>All-in-One with ThinOS</b> · 5040 AIO	<b>Thin Clients with ThinOS</b> · 3040, 5010, 5060, 5070, 7010, 5040 AIO	✓	✓	✓
		<b>Thin Clients with ThinOS and PCoIP</b> · 3040, 5010, 5060, 5070, 5040 AIO	✓	✓	✓
		<b>Thin Clients with ThinLinux</b> · 3040, 5070	✓	✓	✓

\* Available in select countries only \*\* 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 VMware.



### 5000 series for VMware

Extremely compact and energy efficient, the 2-display Wyse 5000 series are fully functional VMware Horizon endpoints that deliver a true PC-like experience and offer the full benefits of an efficient and secure centralized computing environment, like multimedia playback, HD audio and four USB peripheral ports.



### 7000 series for VMware

Created for VMware Horizon users, the 4-display 7000 series PCoIP zero clients deliver the highest level of display performance available for advanced applications, including CAD, 3D solids modeling, video editing and more.

### Dell Services

With Wyse thin and zero 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 management software.

### Wyse Management Suite™

Flexible management solution to configure, monitor, manage and optimize Wyse thin clients from only a few to thousands.

Wyse Management Suite allows organizations to adopt a hybrid model and 'float' their licenses between on-premises and cloud, giving IT the flexibility to manage their thin clients in a way that works best for them.

- No-touch deployment – policy engines support automated rollout
- Configure and manage Wyse thin clients from anywhere\*
- Mobile app allows IT to view critical alerts, notifications and send commands in real time
- Monitor user devices, track asset and application inventory and enforce policy compliance
- Review real-time alerts, troubleshooting and audit trails
- Tight integration and management of Wyse Easy Setup and Wyse Converter for PCs within Wyse Management Suite
- Simplified trouble shooting with remote shadow functionality
- Support for MySQL databases for streamlined setup with advanced installer
- WDM import tool to enable existing customers to migrate to Wyse Management Suite

## 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.



### 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.



### 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 and management.

### 7000 series

Powerful single, dual, or quad core thin clients made for the most demanding applications. Providing the best security, connectivity and graphics performance Dell has ever offered.



## 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.

### Wyse Converter for PCs

Wyse Converter for PCs enables seamless conversion of "any" Windows 7 or Windows 10 PCs to thin client-like device, allowing for easy transition to VDI. Organizations can save costs by extending the life of their old hardware, with the added benefits of a secure and powerful VDI environment.

### Bring VDI protection, end-to-end, from the edge all the way to the datacenter preventing 99% of malware\*

Maintaining security of data and applications as well as compliance is one of the top three IT concerns in organizations of all sizes. Mobile office trends and BYOD initiatives means that more devices and sensitive data are out of direct IT control, increasing the risk for data theft, virus, malware and ransomware attacks. In addition, traditional antivirus (AV) solutions can't keep up with the number of new malware created daily. Non-security IT specialists find security and compliance complex.

Even though they are intrinsically very secure, thin clients also need adequate protection against advanced viruses and commodity malware. Dell offers a comprehensive set of security from the datacenter all the way to the endpoint, being a physical PC running Windows, a Mac OS X system, or a thin client running Windows Embedded Standard (WES). These

solutions protect WES-based thin clients and end points environments against cyber threats, including zero-day attacks.

Using a revolutionary, preventive AV technology, Dell's Advanced Threat Protection (ATP) uses dynamic mathematical models and artificial intelligence to provide extremely high efficacy. It stops attacks before they execute, proactively preventing 99% of malware, far above the average 50% of threats identified by the top anti-virus solutions\*. In addition, it has a very low impact on resources, doesn't affect end user productivity, doesn't require frequent updates nor an internet connection as it runs locally.

Learn more: [Dell.com/datasecurity](http://Dell.com/datasecurity)

\* Results from Cylance Unbelievable Demo Tour, Austin, Dallas and Houston, Texas, May 2015. Also based on Dell internal testing, November 2018.

## New Wyse 5070 thin client.

Wyse 5070 is the most versatile, scalable, and capable thin client platform ever positioned for the mid-range, setting the new standard for price/performance.



Wyse 5070 thin client



Wyse 5070 Extended thin client

## Cloud client firmware options

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

### Zero Clients

Secure and purpose-built for VMware.

### Wyse ThinOS thin clients

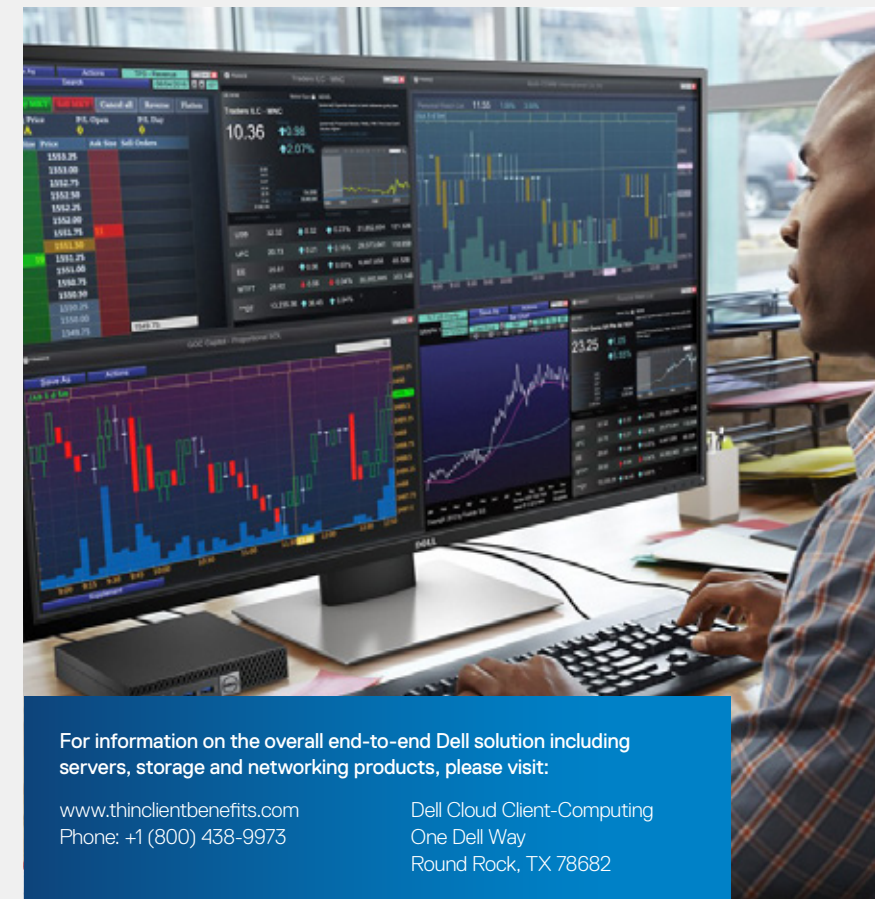
Optimized for maximum thin client security and performance.

### Wyse ThinLinux thin clients

Versatile and multi-functional.

### Wyse Windows Embedded Standard thin clients

Scalable, flexible, and highly secure.



For information on the overall end-to-end Dell solution including servers, storage and networking products, please visit:

[www.thinclientbenefits.com](http://www.thinclientbenefits.com)  
Phone: +1 (800) 438-9973

Dell Cloud Client-Computing  
One Dell Way  
Round Rock, TX 78682