Exploring the Latest in Dell Thin Clients

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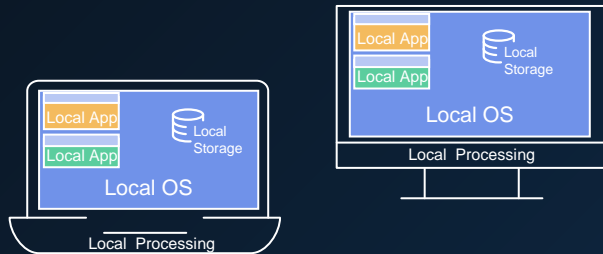
Having the right VDI endpoint strategy is critical
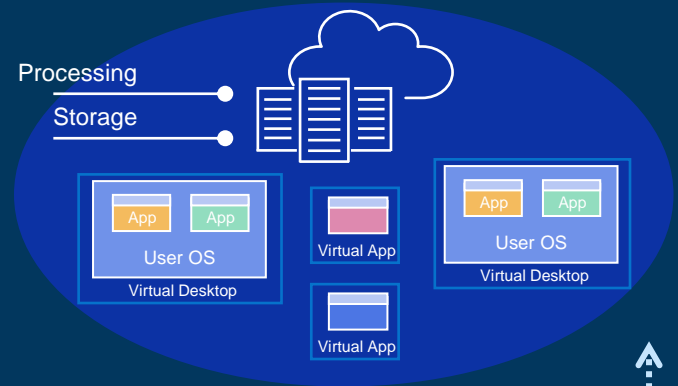

for a successful VDI implementation

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What is a thin client?

Traditional PC

VDI environment
(On-premises datacenter or public cloud)

Processing

Storage

App App
User OS
Virtual Desktop

Virtual App

App App
User OS
Virtual Desktop

Virtual App

Local App
Local App
Local OS
Local Processing

Local App
Local App
Local Storage
Local OS
Local Processing

Local Storage

Thin client solution:

Local Browser

VDI communication protocol: HDX/ICA, RDP, Blast, PCoIP, ...

Thin client OS

VDI communication protocol: HDX/ICA, RDP, Blast, PCoIP, ...

Thin client OS

End User Client Device

End User Client Device

DELLTechnologies

We thoughtfully design optimized solutions for VDI so you can

work and innovate everywhere.

Delight the end user
Enable seamless collaboration and productivity.

Simplify IT
Clear the way for superior and secure user experiences.

DELLTechnologies

Delight the end user
Enable seamless collaboration and productivity

Understand and meet the needs of your users

with a selection of devices tailored to how people work.

Ensure collaboration no matter where work happens

with solutions designed to provide rich collaboration and connectivity options.

Increase efficiency and productivity

with solutions optimized for VDI, ready to deploy and centrally managed.

Evolving Dell thin client portfolio
Based off a **software-defined** strategy

- Improved performance

- More simplicity and consistency

- More flexibility and choice

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Cloud Client Workspace portfolio

Innovative OS and software options to optimize your approach to VDI and app modernization.

Wyse Management Suite
Modern public and private cloud deployment and management

Dell ThinOS

Most secure thin client OS.[1]

Dell Hybrid Client
on Ubuntu Linux

Most flexible experience in a hybrid environment.[2]

Windows 10 IoT Enterprise

Power and familiarity of Windows in a thin client optimized by Dell.

Dell thin client solutions

Select Dell OptiPlex, Latitude and Precision clients

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Dell client portfolio for Cloud Client Workspace

**OptiPlex 3000
Thin Client**

The most secure
and capable thin clients

**OptiPlex
All-in-One***

Security and productivity, all in one

Latitude 3440

Latitude 5440

Work confidently. On the move

+ a broader selection of Latitude, OptiPlex and Precision clients with Dell Hybrid Client

*select OS/client software options only

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OptiPlex **3000 Thin Client**

The most secure* and capable desktop thin client, now designed by OptiPlex, the trusted name in desktop innovation for 29 years

Secure and capable thin client

- Built with **Intel® Celeron and Pentium Quad Core™** processors (Celeron N5105 2GHz/2.9GHz and Pentium N6005 2GHz/3.3GHz Quad Core)

- Supports up to **three 4K displays** @60Hz

- **Ultra-compact**, optimized OptiPlex Micro Pro 2 ID bezel with **vertical fanless** orientation; qualified with the **complete OptiPlex ecosystem**

- Supports up to **16GB DDR4** memory, 32GB eMMC flash storage with optional 256GB PCIe SSD

- Native **6 USB, 2 DP**, RJ45, UAJ ports and **Wi-Fi 5 or 6/6E* option** with internal or external antenna

- Optional AUX port in the rear that supports VGA, DisplayPort1.4b, HDMI 2.0, USB-C with alt-DP, USB 3.2 Gen 1, serial port with PS2 port or a serial port

- Three different operating systems incl. **Dell ThinOS**, **Windows 10 IoT Enterprise** and Ubuntu Linux with **Dell Hybrid Client** option

- **Hybrid cloud** management with Wyse Management Suite Pro

- **Long lifecycle** with 3-year next business day warranty

epeat GOLD

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OptiPlex **All-in-One thin client solution with Cloud Client Workspace**
Picture perfect audio and video experience

View 360° 35W   View 360° 65W

Best-in-class performance and collaboration tool

- **New 24" chassis with dark grey ID** options combine beauty and power in a minimal footprint, perfect for customer-facing workspaces where aesthetics are key

- **Low Blue Light certification** on both Touch and Non-Touch panels

- Built with **13th gen Intel® processors** with latest Hybrid Core technology

- Up to 32GB memory and 512GB SSD

- Two different AIO stand options provide user flexibility while the small footprint saves desktop space

- Configure your OptiPlex All-in-One with **Dell ThinOS**, **Dell Hybrid Client*** or **Windows 10 IoT Enterprise** to power your VDI environment with a smarter user experience, stronger security and easier IT management.

- Gain instant control with **Wyse Management Suite Pro** on Public Cloud* and securely manage a distributed workforce

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Latitude 3440 thin client solution with Cloud Client Workspace

Up-leveled essential productivity.

New Design

+ Refined laser texture, soft charcoal color

+ Improved keyboard – better key travel, laser-etched key prints, and added mic mute button

+ Upgraded touchpad – quieter with higher rigidity and smooth glass-like feel

+ Mechanical Camera Shutter (standard)

Up-leveled business-class performance

+ Powered for productivity with newest Intel 13th Gen CPU up to i5

+ Up to 32GB DDR4, 512GB SSD storage and optional WiFi 6/6E

+ Longer life-cycle batteries (42Whr entry), upsell to 54Whr for optimal battery life

+ FHD+IR camera, now offered on non-touch configs

Security and unified management

+ Configure your Latitude 3440 with Dell ThinOS, Dell Hybrid Client or Windows 10 IoT Enterprise* to power your VDI environment with a smarter user experience, stronger security and easier IT management.

+ Gain instant control with Wyse Management Suite Pro on Public Cloud* and securely manage a distributed workforce

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Latitude **5440 thin client solution with Cloud Client Workspace**

Our most scalable and sustainable Latitude

▶

View 360°

Scalable Performance and Security

+ Memory options of LPDDR5, broad range of security options** - FIPS option (15"), Smart Card reader

+ Latest 13th Gen Intel vPro Processors – 15W and 28W options

+ Improved FHD camera and FHD screen

Innovation in Sustainability

+ 64% more sustainable gen over gen (by weight);*** more recycled materials in lid, palm rest, battery and inner frame, and other internal parts

+ 100% recycled and renewable packaging; multipack bulk shipping options to reduce carbon footprint

Security and unified management

+ Configure your Latitude 5440 with Dell ThinOS, Dell Hybrid Client or Windows 10 IoT Enterprise* to power your VDI environment with a smarter user experience, stronger security and easier IT management.

+ Gain instant control with Wyse Management Suite Pro on Public Cloud* and securely manage a distributed workforce

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End-to-end security start at the endpoint
with Cloud Client Workspace

Dell ThinOS
The most secure thin client OS[1] purpose-built for VDI

Dell Hybrid Client
Secure access to applications and data wherever they are hosted
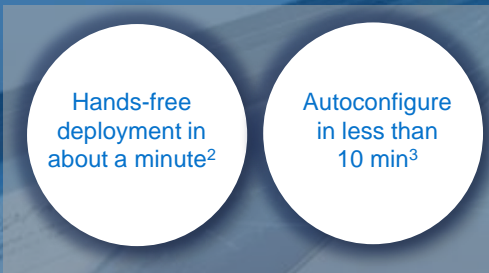
Windows 10 IoT Enterprise
Strong security and flexible management options

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Dell ThinOS - The Most Secure Thin Client OS

Dell ThinOS 20+ YEARS

Hands-free deployment in about a minute[2]

Autoconfigure in less than 10 min[3]

The most secure keeps getting better

Manage a distributed workforce with Wyse Management Suite for modern management from the cloud

User productivity with modern desktop mode and an intuitive interface

Ready to connect to all popular VDI environments – Citrix, Microsoft, VMware, etc.

Rich collaboration experience with unified communications optimization for VDI
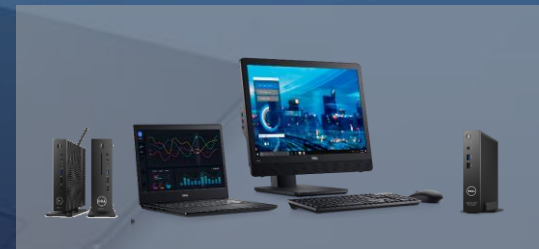
Purpose-built thin clients for VDI environments

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End to end security starts at the end point

Secure by design

- Closed architecture, no published APIs, no command shell, hardened surfaces, secure boot, device specific flash encryption
- Dell exclusive secure imaging
- Non-persistent local user and session data cache

Vulnerability Protection

- No local browser or run-time operations prevent malware latching and executed

Trusted endpoint

- Cryptographically protected certificates and configurations
- Robust network-based authentication
- Single sign-on / dual factor authentication including RSA, Imprivata and Identity Automation QwickAccess (formerly Healthcast) support

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Collaboration is key

Since going remote, **62%** say that collaboration has either increased or stayed the same.

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Collaborate more efficiently with optimized unified communications for VDI solutions

Without UC optimization

UC application audio, video and desktop sharing into VDI protocol

VDI workspace with UC application

User device A

User device B
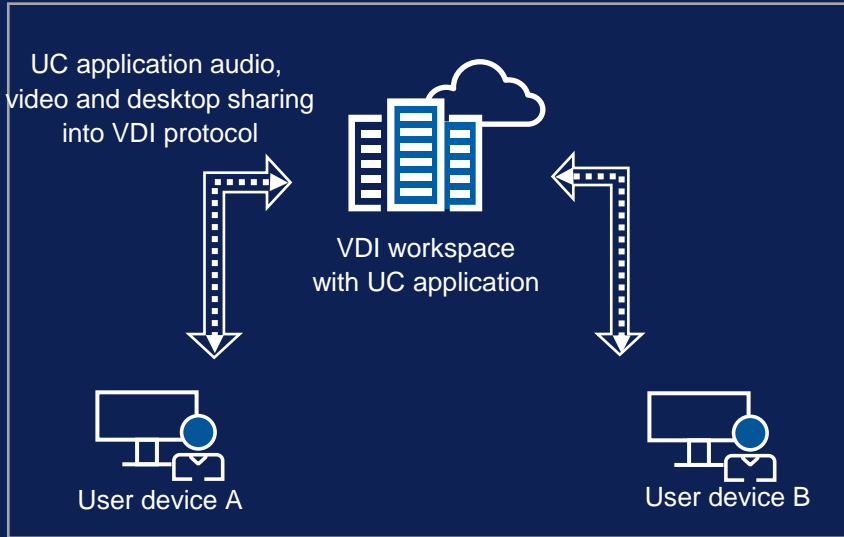
- Standard user experience
- Latency and resources consumption challenges

With UC optimization

VDI protocol

VDI protocol

VDI workspace with UC application

User device A

UC application audio, video and desktop sharing

User device B
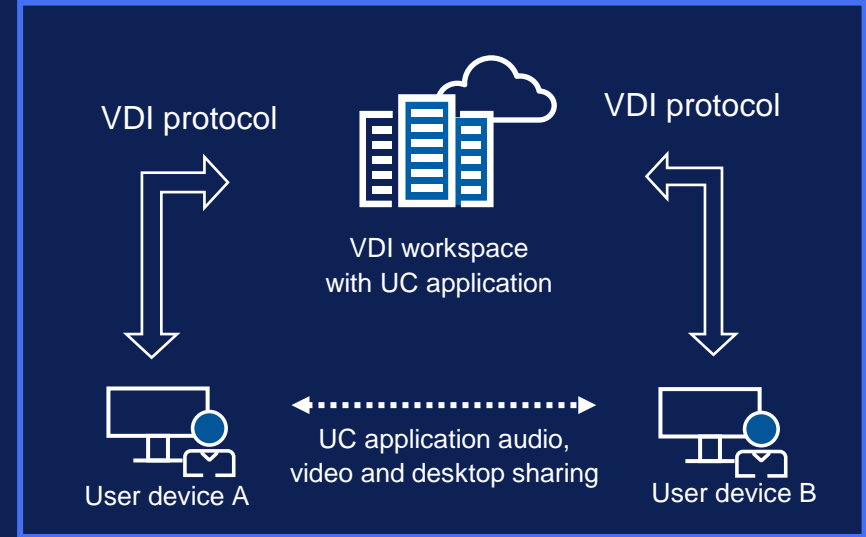
- ✓ Enhanced user experience
- ✓ Improved architecture scalability

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Windows VM w/Horizon & Zoom – No Zoom VDI Client Plugin installed
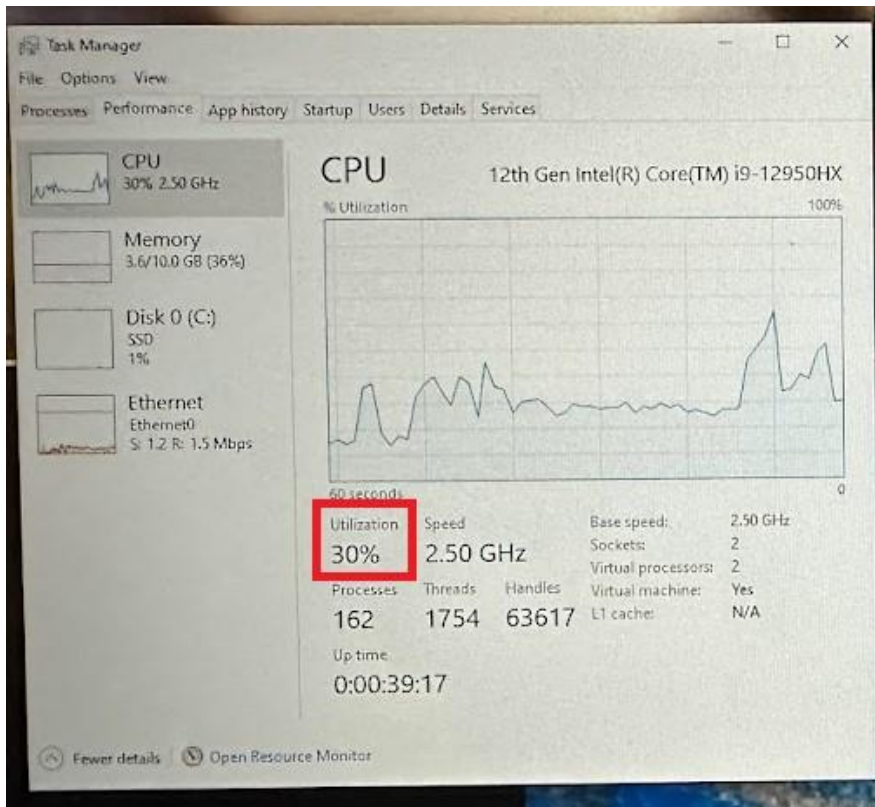
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Windows VM w/Horizon & Zoom – With Zoom VDI Client Plugin installed

A modern thin client solution
Dell Hybrid Client
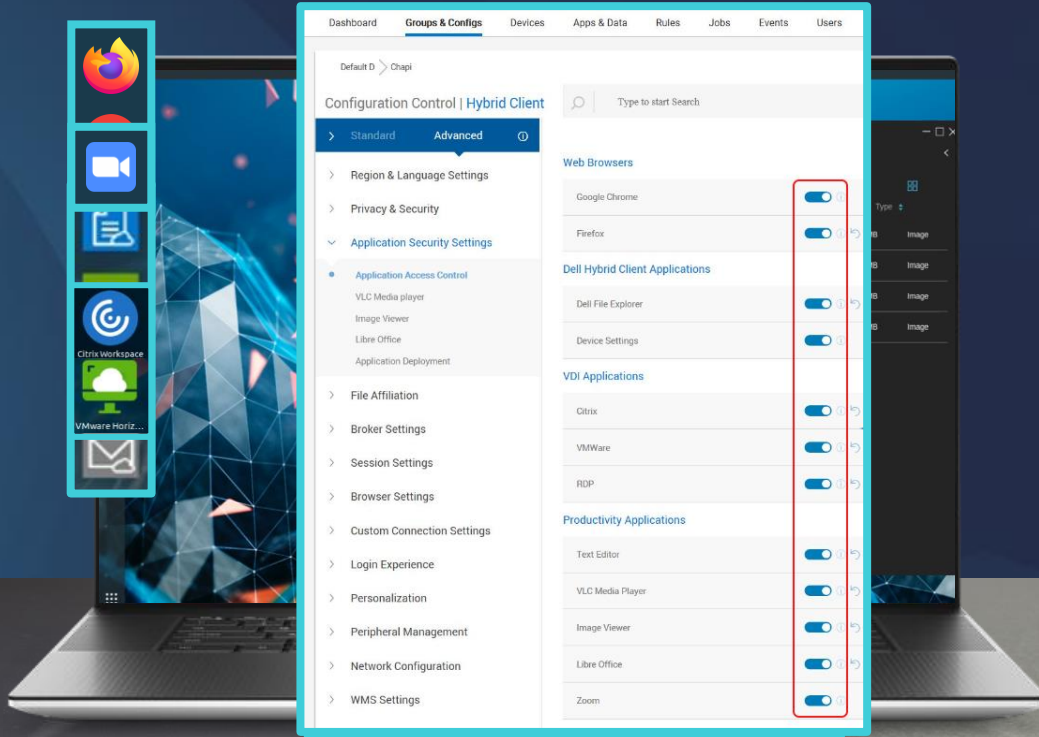
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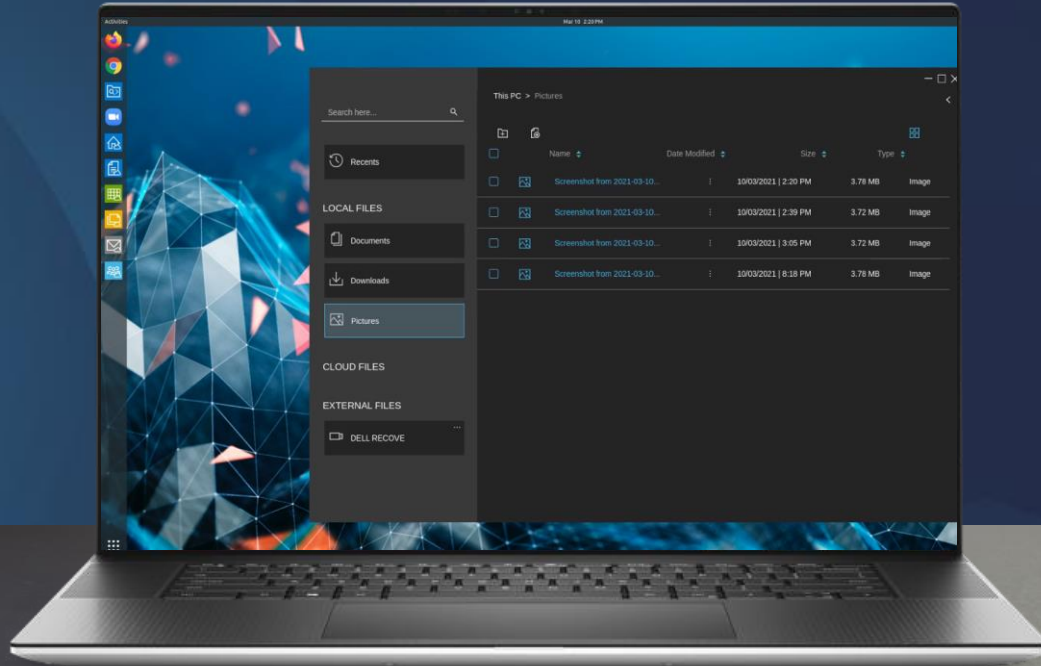
Secure access to applications and data

whether they are in the data center, on the cloud or locally on the device.

Managed local
Chrome and
Firefox browsers

Local
collaboration
apps

Cloud apps

Clients for
VDI brokers

File explorer

All managed
from the cloud

Dashboard | Groups & Configs | Devices | Apps & Data | Rules | Jobs | Events | Users

Default D › Chapi

Configuration Control | Hybrid Client

> Standard   Advanced   ⓘ

> Region & Language Settings

> Privacy & Security

⌄ Application Security Settings

• Application Access Control
  VLC Media player
  Image Viewer
  Libre Office
  Application Deployment

> File Affiliation

> Broker Settings

> Session Settings

> Browser Settings

> Custom Connection Settings

> Login Experience

> Personalization

> Peripheral Management

> Network Configuration

> WMS Settings

Web Browsers

Google Chrome

Firefox

Dell Hybrid Client Applications

Dell File Explorer

Device Settings

VDI Applications

Citrix

VMWare

RDP

Productivity Applications

Text Editor

VLC Media Player

Image Viewer

Libre Office

Zoom

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Power and flexibility of Windows in a thin client optimized by Dell.

Experience the benefits of our productivity apps designed to make Dell thin clients easier to deploy and adapt to your specific needs.

Boost productivity
with Dell thin clients with
Windows 10 IoT Enterprise
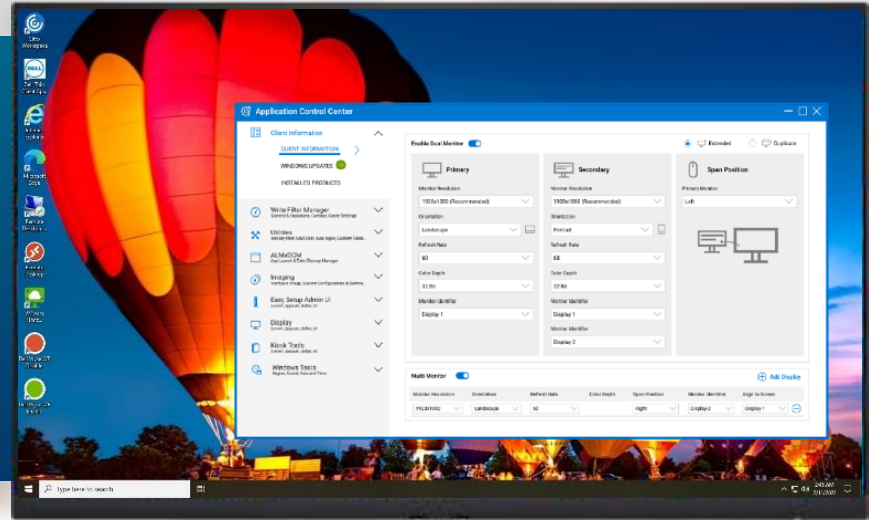
Optimizations in security, management & user experience combined with a rich Windows ecosystem

User friendly

Customization

Ready for VDI

Tailored to your needs

Productive collaboration experience

Security & trust

Intuitive IT interface

All apps at your fingertips

Flexible management options

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Wyse Management Suite Pro

Simplify IT operations

Manage from anywhere

Scale easily

Consistent end-user experience

Modern public and private
cloud deployment and management

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Modern hybrid cloud management with Wyse Management Suite Pro

Automated Deployment

Flexible and modern hybrid cloud management of a distributed fleet

Zero installation time, zero server footprint and manage from anywhere even at the largest scale

Configuration management

Apply automatically user/device settings

Configure systems and BIOS, complete hardware inventories

Comprehensive OS management

Single console to manage Dell cloud client portfolio

Centralized management of OS updates, patches and conversions

Apps delivery

Automate deployment and prevent user disruption

Orchestrate, personalize and deploy seamlessly

Client health & security

End-to-end protection to minimize risk

Enforce policies, secure communications and secure access

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Wyse Management Suite: Standard and Pro version

Wyse Management Suite
Standard version

✓ On-premises management tool

✓ Small deployment, single location

✓ Free download

Wyse Management Suite
Pro version

40+ Value add software features in **Pro**

✓ Either on-premises or cloud management – or a combination of both

✓ Up to 1M endpoints on public cloud

✓ Per seat, per year subscription

Dell Hybrid Client and converted Windows PCs

Dell thin client OSes: Dell ThinOS and Windows 10 IoT Enterprise

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Dashboard overview

Alerts

Displays the summary of all the alerts, allowing to quickly go to functional areas of the system that require your attention.

Events

Showcases summary & date of occurrence of all events happened in the last few days.

Devices

Displays details of the devices including compliance, grouping, and more.

Example Thin Client Config Options

Broker Selections

Displays the default broker options and ability to add others

Config Options

Displays details of various options when configuring broker connections

Configuration Control | ThinOS

| Type to start Search |

> Standard   **Advanced**

> Region & Language Settings

> Privacy & Security

∨ Broker Settings
  - Global Broker Settings
  - VMware Horizon Settings
  - **Citrix Virtual Apps and Desktops Settings ***
  - Azure Virtual Desktop Settings *
  - Microsoft Remote Desktop Settings
  - Amazon WorkSpaces Settings
  - Teradici Cloud Access Settings
  - Other Broker Settings

> Session Settings

> VDI Configuration Editor

> Login Experience

> Personalization

> Peripheral Management

> Firmware

> System Settings

> Network Configuration

Basic Settings

Broker Server	https://remote.citrix.com
Citrix Workspace Mode	(on)
HTTP User Agent	
Automatically Connect to Sessions	*|appname1;appname2;appname3
Automatically Reconnect from Button	(off)
Automatically Reconnect At Logon	(off)
Connection Timeout	300
WebLogin Timeout	0
Login Expire Time	0

Citrix NetScaler/ADC

NetScaler/ADC Authentication Method	Default
NetScaler/ADC Authentication using web-based login	(on)
CAG Ignore Default Gateway	(off)
Direct External Connection to the NetScaler/ADC (no beacons being used)	(off)

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Devices View

Dell | Wyse Management Suite

Dashboard   Groups & Configs   **Devices**   Apps & Data   Rules   Jobs   Events   Users   Portal Administration

Device Details

[Query] [Restart] [Shutdown Now] [Unregister] [Factory Reset] [More Actions ▾]

Send Message
Change User Credentials
Clear User(s) Data
Change Host Name
System Password
Wake on LAN
Tag Device
unTag Device(s)

Compliance Status
●

Device Name
● DHC8TTC2N3

OS Type
Dell Hybrid Client 2.x

Device Type
Hybrid Client (OptiPlex 3000 Thin Client)

OS Version
Ubuntu 22.04 Desktop (Ubuntu 22.04.1 LTS)

Image Version
6.0.0-1006-oem

Software Stack Version
2310.72

Configuration Group
RDS Lab

Agent Version
2310-32

Serial Number
8TTC2N3

Device Identifier
C0:25:A5:B8:CC:C3

IP Address
10.10.123.144

Connection Type
enp1s0

Last Check-in
25 minutes ago

Last Logged In User
User not Logged in!

Package Version
1.10.211

Device Tag
N/A

Summary   System Info   Events   Installed Apps 58   Device Log   Troubleshooting

Notes   [Add Note]

Converter for PCs is now integrated into WMS Pro

Fully controlled desktop experience

- Convert and repurpose Windows PCs into fully controlled endpoints

- Three layers of security with Unified Write filter, Easy Setup and OS customization

- Zero touch deployment. Setup in under 20mins

- IT can select to hide or expose local applications for a smooth transition to the digital workspace

- Turn new or legacy PCs into a kiosk system, a digital display station, a single purpose desktop or an optimized endpoints for virtual workspaces
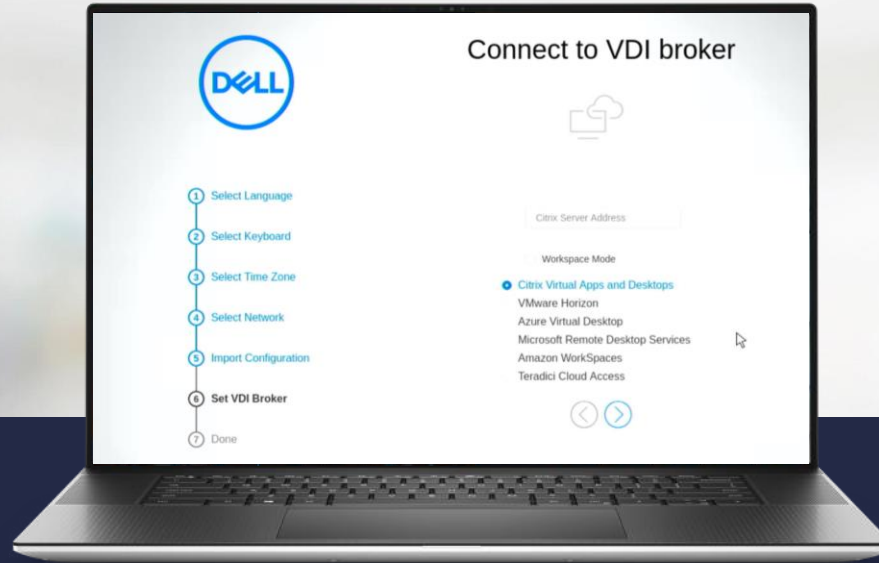
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Optimized VDI endpoints

Dell thin client solutions with Cloud Client Workspace

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Optimized VDI endpoints

Dell thin client solutions with Cloud Client Workspace

Built-in
VDI clients

Connect to VDI broker

1. Select Language
2. Select Keyboard
3. Select Time Zone
4. Select Network
5. Import Configuration
6. **Set VDI Broker**
7. Done

Citrix Server Address

Workspace Mode

- Citrix Virtual Apps and Desktops
- VMware Horizon
- Azure Virtual Desktop
- Microsoft Remote Desktop Services
- Amazon WorkSpaces
- Teradici Cloud Access

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A dedicated VDI end point solution

Centralized management

Granular settings

High level of control

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Thin Client stands and mounts

- De-clutter and re-design your workplace.

- With custom mounting options the OptiPlex desktop can be tucked away behind the monitor or on a wall so it takes up literally 0% desk space. That leaves plenty of room for a big monitor (or two), a more comfortable set-up, and a more productive environment.

- **At the desk**

Micro All-in-One Stand (Refreshed for CY22 model)

#1 best-selling OptiPlex mount

- Micro VESA Mount for E Series Monitors

- Vertical stand

- Micro VESA Mount for wall-mounting with PSU Adapter Sleeve

- Micro Dual VESA Mount with Monitor Arm

Cloud Client Workspace portfolio

Innovative OS and software options to optimize your approach to VDI

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Next steps

Explore

Dell.com/
CloudClientWorkspace

Try it now

Wyse Management Suite
Interactive Demo

Learn

Technical training
services

DELLTechnologies

Thank you!!

Chris Messier

christopher_messier@dell.com

LinkedIn

Personal Dell thin client/VDI blog
www.vditoolbox.com
Not endorsed by Dell

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Dell Thin Clients. Reimagined.

Welcome to the next generation of
Dell thin client solutions.

Optimized for operational excellence, security, and employee productivity, our new thin client solutions enhance the VDI experience. Pair our thin client software options with industry-leading Latitude and OptiPlex systems for a personalized VDI endpoint solution.

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