Dell Hybrid Client

World’s first client computing software with hybrid cloud management enabling seamless access to applications and data whether they are in the cloud, in the data center or locally in a ready to deploy commercial solution.

Learn more at DellTechnologies.com/DellHybridClient
Dell Hybrid Client enables the most flexible client computing experience in a hybrid environment with private and public clouds and local resources to help boost user productivity.

DELL HYBRID CLIENT GIVES YOU CHOICE AND CONSISTENCY

Ensure simplicity, choice and flexibility for your organization and your workforce. Designed for anytime, anywhere access, Dell Hybrid Client provides security, accessibility and consistency to every part of the workday.

Dell Hybrid Client combines cloud-based management with a personalized user experience and the business agility and security benefits IT managers expect. Whether working in the office or remotely, all cloud resources are within reach with Dell Hybrid Client.

EMPOWERED CLOUD WORKFORCE

Log in, work and search across resources with ease. Dell Hybrid Client brings together the user’s apps and data for a productive workday no matter if they reside on public or private clouds.

Accessing files is easy, they automatically open in the application delivery mode defined by IT - cloud, VDI or local - to ensure availability, enhanced security and assist in cloud transition.

By enabling the “follow me” feature, Dell Hybrid Client delivers a consistent, personalized user experience across fixed or mobile devices controlled from the cloud.
A centrally managed software solution designed to deliver a fluid workflow when accessing applications and data delivered from private, public, and/or hybrid clouds.

**WHAT MAKES IT ONE-OF-A-KIND**

**Instant access**
With the convenient and secure single-sign-on, you workforce gets immediate access to necessary apps and data, whether they’re hosted locally, in the public or private cloud.

**Simplified workflow**
Access seamlessly an array of IT-approved web apps, VDI apps and storage locations. And with the global file search, everything is easily found, and the workflow never interrupted.

**A consistent experience**
By enabling the follow-me feature, end users get a consistent, personalized experience no matter which fixed or mobile device they log in from.

**Ready on day one**
All features are available out of the box with intelligent, low-touch deployment from the cloud through Wyse Management Suite Pro.

**MULTIPLE WAYS TO BENEFIT**

**Multiple apps delivery methods**
Supports IT-approved cloud, virtual and local Linux apps and multiple operating modes: cloud, VDI or local or a combination of all to keep your users productive and ease the path to change.

**Multiple cloud providers**
Works with leading cloud providers and cloud storage services to easily integrate into your existing cloud environment and quickly adapt as your strategy evolves.

**Multiple form factors**
More flexibility to work from anywhere and the choice to work with select laptops, modular All-in-One solutions and fixed desktops.
SAFE AT EVERY TOUCHPOINT

Protect user and company data through a secure, locked-down experience where user data is encrypted and user’s access is controlled through specific permissions and security profiles from Wyse Management Suite Pro.

Ensure device compliance with local system security and application sandboxing preventing unwanted interactions and system corruption.

Ensure that apps and content can only be accessed in authorized ways through single sign on, multi-factor authentication and file affiliation.

INSTANT ACCESS. SIMPLIFIED WORKFLOWS. A CONSISTENT EXPERIENCE
Endpoint selection from Dell’s award-winning portfolio

OPTIPLEX 3090 AND 7090 ULTRA
The world’s most flexible modular all-in-one solution featuring 11th Gen Intel processors. Ultra is an innovative compute device that offers performance and function, in a patented zero footprint design. Ultra combines the sleekness of an all-in-one with the flexibility of a traditional desktop. Users get the best of both worlds – a beautiful, space-saving solution with minimal cabling plus all the key desktop features and functionality they require to do their jobs.

LATITUDE 3320
Productivity meets modern design in the new Latitude 3320, a sleek and professional ultra-portable that is accessible for any business and any budget. Users can power through any day with Intel 11th Generation processors. Features both legacy and future-ready ports, including USB Type-C® supporting Dell’s docking solution, so users can work comfortably anywhere.

WYSE 5070
To meet the needs of transactional workers, the Wyse 5070 delivers high-speed processing with powerful Intel® quad core processors. The Wyse 5070 boosts user productivity with a high level of configurability and up to twenty ports and slots options. Features like True 4K graphics, multiple DisplayPort™ interfaces, USB Type-C® and multiple network connection options help ensure an extended, productive user experience day after day.
Dell Hybrid Client
A COMPLETE SOLUTION

**WYSE MANAGEMENT SUITE**

One tool does it all. Wyse Management Suite is a flexible cloud management solution that allows to centrally configure, monitor, manage and optimize endpoints powered by Dell Hybrid Client, anytime, anywhere. Wyse Management Suite is ideal for businesses small, large and in-between scaling from one to hundreds of thousands of devices. Our solution meets all levels of deployment.

Intelligent unified management. Manage all your modern clients powered by Dell Hybrid Client from the cloud and/or the datacenter with this hybrid cloud management solution with floating license allocation for greater control and agility. The cloud-first, multitenant model supports your growing business requirements. Automated processes and intelligent insights with powerful dynamic device-grouping and rules-based automation deliver a flexible and proactive management approach.

User friendly, right from the start. From zero to productivity instantly with Wyse Management Suite Pro on public cloud. Manage from anywhere and view critical alerts, notifications on the dashboard and send real time commands with one tap with the mobile app for real-time endpoint modern management of Dell endpoints and software. In addition, the management console is localized in 7 different languages making it convenient for our international teams to deploy it in their regional languages.

**DELL PROSUPPORT FOR SOFTWARE**

Let us make hardware and software support easy, Dell Hybrid Client comes with Dell ProSupport for Software. ProSupport offers 24x7 access to in-region advanced technology experts who contact IT when critical issues arise, so you can focus on the strategic work that moves your business ahead.
# Features & Technical Specifications

## DELL HYBRID CLIENT 1.5

### Feature Dell Hybrid Client 1.5 Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Supported Client OS</td>
<td>Based on Canonical Ubuntu 20.04 LTS 64-bit</td>
</tr>
<tr>
<td>Subscription Options</td>
<td>1-year subscription to Dell Hybrid Client with Wyse Management Suite Pro and ProSupport for Software</td>
</tr>
<tr>
<td></td>
<td>3-year subscription to Dell Hybrid Client with Wyse Management Suite Pro and ProSupport for Software</td>
</tr>
<tr>
<td></td>
<td>5-year subscription to Dell Hybrid Client with Wyse Management Suite Pro and ProSupport for Software</td>
</tr>
<tr>
<td>Client device options (Factory Installed)</td>
<td>Latitude 3320 - 11th Generation Intel Core i5/i7 – 8 GB Memory – 128 GB or higher capacity SSD/HDD</td>
</tr>
<tr>
<td></td>
<td>OptiPlex 3090 Ultra - 11th Generation Intel Celeron up to Core i5 – 8GB Memory – 32GB eMMC or higher capacity SSD</td>
</tr>
<tr>
<td></td>
<td>OptiPlex 7090 Ultra - 11th Generation Intel Core i5/i5/i7 – 8 GB Memory – 128 GB or higher capacity SSD/HDD</td>
</tr>
<tr>
<td></td>
<td>OptiPlex 7070 Ultra – 8th Generation Intel Core i3/i5/i7 – 8 GB Memory – 128 GB or higher capacity SSD/HDD</td>
</tr>
<tr>
<td></td>
<td>Wyse 5070 - Intel Celeron Dual Core or Pentium Quad Core – 8 GB Memory – 32 GB eMMC or higher capacity SSD</td>
</tr>
<tr>
<td></td>
<td>Wyse 5070 Extended - Intel Pentium Quad Core – 8 GB Memory – 32 GB or higher capacity SSD</td>
</tr>
<tr>
<td>Conversion software</td>
<td>Easily convert a supported Windows, Linux or ThinOS client device to run Dell Hybrid Client. Please refer to the conversion guide available on <a href="https://www.dell.com/support/home/en-us/product-support/product/dell-hybrid-client/overview">https://www.dell.com/support/home/en-us/product-support/product/dell-hybrid-client/overview</a> for technical requirements</td>
</tr>
<tr>
<td>Unified Management</td>
<td>On-premises and cloud management – or a combination of both with floating license allocation between on-premise and cloud with Wyse Management Suite Pro version 3.2. Centralized deployment, configuration and management of user parameters, devices, operating system, apps and storage.</td>
</tr>
<tr>
<td>Supported Cloud Providers</td>
<td>Google Cloud Platform™ service</td>
</tr>
<tr>
<td></td>
<td>Microsoft Azure with Azure Active Directory sync with On Prem Active Directory (HAAD)</td>
</tr>
<tr>
<td>Supported VDI Brokers</td>
<td>Citrix Virtual Apps and Desktops™ (formerly XenDesktop/XenApp)</td>
</tr>
<tr>
<td></td>
<td>Microsoft® Windows Terminal Server</td>
</tr>
<tr>
<td></td>
<td>VMware Horizon®</td>
</tr>
<tr>
<td>Local Browser</td>
<td>Firefox v84</td>
</tr>
<tr>
<td></td>
<td>Google Chrome v87</td>
</tr>
<tr>
<td>Local Apps</td>
<td>LibreOffice office suite: Writer (word processing), Calc (spreadsheets), Impress (presentations), Draw (vector graphics and flowcharts), Base (databases), and Math (formula editing), VLC media player, Image viewer</td>
</tr>
<tr>
<td>Connections</td>
<td>OpenConnect VPN supporting GlobalProtect and Cisco Anyconnect</td>
</tr>
<tr>
<td></td>
<td>VNC Viewer for remote shadowing (download from <a href="https://www.dell.com/support">www.dell.com/support</a>)</td>
</tr>
<tr>
<td></td>
<td>SSH Server (download from <a href="https://www.dell.com/support">www.dell.com/support</a>)</td>
</tr>
<tr>
<td>Supported Local Collaboration tools</td>
<td>Zoom client for Linux (included in the base image)</td>
</tr>
<tr>
<td></td>
<td>Tested support for Microsoft Teams client for Linux (available from Microsoft.com)</td>
</tr>
<tr>
<td>File Explorer</td>
<td>Dell Hybrid Client delivers a seamless user experience for accessing local, USB, network and cloud files and folders through the File Explorer</td>
</tr>
<tr>
<td>Guest user</td>
<td>Guest user login allows a user to login to the device with a temporary guest user profile. In this profile, users will be able to access limited Dell Hybrid Client functionalities. All changes made in this session would be lost on user logout. Guest User account is supported with group level policy configuration from Wyse Management Suite. Local User is not supported.</td>
</tr>
<tr>
<td>File affiliation</td>
<td>Manage, prioritize (cloud, VDI or local) and restrict access to productivity applications using Wyse Management Suite. Automatic sync of files across different workspaces (local, VDI or cloud)</td>
</tr>
<tr>
<td>User Policy Groups</td>
<td>Allows IT administrators to apply configuration policies to a group of users based on user’s Active Directory (AD) group or organizational unit (OU)</td>
</tr>
<tr>
<td>Enhanced Follow-me</td>
<td>With the enhanced Follow-me experience, user-specific settings and configurations for local browser, browser cache, desktop state (VDI, cloud, and local apps), specific device settings, and favorite bar personalization are preserved in a central repository, and the same settings are enabled in any other entitled device when logged in with the same user credentials</td>
</tr>
</tbody>
</table>
# Features & Technical Specifications

## Dell Hybrid Client 1.5 Technical Specifications

### Security
- Ability to set system network proxy settings
- Enhanced Security Profile – Ability to configure Firejail for 3rd party applications, Firewall configurations and Kernel/OS hardening based on security level configuration from Wyse Management Suite
- Randomized GRUB password and enforcement of password change from WMS
- Secure Boot
- Single Sign-On (SSO) into Enterprise AD (Kerberos-based authentication)
- Single Sign-On (SSO) into GCP and Azure.
- Smart card (Gemalto, YubiKey PIV) / CAC card support for local login and AD login
- Smart card (Gemalto, YubiKey PIV) / CAC card support from login to Citrix VDI session
- Smart card (Gemalto, YubiKey PIV) /CAC card support for browser-based Azure login to cloud applications.
- Smart card (Gemalto, YubiKey PIV) /CAC card support for VMware VDI session
- Trusted Platform Module 2.0
- User authentication with Active Directory, both local AD and Azure AD with On Prem users sync using AAD connect
- User authentication with Google Workspace application with Local AD sync using GCDS connect
- User File Encryption (zFS)

### Device Settings
Enhance Device Settings UI to configure different system settings such as peripherals, network, VPN, regional & language configurations and power settings.

### Power Optimization
Power optimization configuration from Wyse Management Suite via power profile settings (balanced, energy efficient, max performance) available.

### User Security
High level of user security in which the data of a user is encrypted and cannot be viewed by other users. User’s access to Dell Hybrid Client is controlled through specific permissions and security profiles that are managed using Wyse Management Suite.

### USB lockdown settings
Granular control of USB ports and type of USB devices. Administrators can centrally enable/disable USB ports and define exceptions such as HID devices using Wyse Management Suite.

### Secure Browsing
Provides a secure end point for your browser-based work environment: whitelist, blacklist, site isolation/multi containers are enabled by default, as an additional security layer to prevent attacks to succeed

### Built in VDI Broker clients
VMware Horizon client version 2012
- Blast Extreme, PCoIP and RDP protocol support
- Skype for Business
- Zoom optimization pack
- File type association

Citrix Workspace app 2012
- File type association
- Single Sign On support (only from device login to remote session with Citrix StoreFront)
- Smartcard Login
- Browser Content Redirection
- USB Redirection
- HDX MediasStream

Wyse RDP 8.1.07
- File type association
- Single Sign on support (only from device login to remote session)
- GPU accelerated rendering

- Virtual printing on physical RDS host machine
- Multi session mode
- Logging copy and paste
- HDX RealTime Webcam Video Compression
- Skype for Business / Citrix HDX RTME 2.9
- Microsoft Teams optimization
- Zoom optimization
- Multistream ICA
- HTML5 video redirection
- Dual 4K display support
- Multi-stream (simultaneous UDP and TCP connections)
- H.264 default video compression
- H.264 rendering

### Supported languages
Local user interface: English, French, German, Italian, Spanish, Japanese, Korean, Chinese (Traditional and Simplified)

### Free trial software
Get a 45-day trial software at [www.wysemanagementsuite.com](http://www.wysemanagementsuite.com)
Recommended Options & Accessories

DELL HYBRID CLIENT

Recommended Options & Accessories for OptiPlex 3090 and 7090 Ultra with Dell Hybrid Client

OPTIPLEX ULTRA LARGE HEIGHT ADJUSTABLE STAND
Alter your display’s height, tilt, and orientation for optimal comfort and productivity with this stand that can be used with 30 to 40 in./76.2 cm VESA compatible monitors.

OPTIPLEX ULTRA STD HEIGHT ADJUSTABLE STANDS
Alter your display’s height, tilt, and orientation for optimal comfort and productivity with these stands that can be used with 19 to 27 in./68.58 cm VESA compatible monitors.

OPTIPLEX ULTRA FIXED STAND
This VESA compatible stand offers height adjustability for Dell or 3rd party 19 to 24 in./60.96 cm monitors.

OPTIPLEX ULTRA OFFSET VESA MOUNT
Enables the Ultra to be mounted to the back of an E Series monitor or with Dell Single Monitor Arm (MSA20). Supports up to 38 in./96.52 cm VESA-compatible monitors.

DELL 24 USB-C MONITOR WITHOUT STAND - P2419HC
Boost productivity with a 23.8 in./60.96 cm monitor with full range adjustability, 3-sided ultrathin borders and USB-connectivity. For the best experience, order the “without stand” option.

OPTIPLEX ULTRA WALL MOUNT BRACKET
This wall bracket can be used for mounting the Optiplex Ultra chassis onto a wall. It includes a cable cover to secure and manage cables.

DELL SINGLE MONITOR ARM - MSA20
Keep your desk clutter free with the world's first monitor arm that offers swivel angle adjustment with a flip of a switch* and can also be easily assembled and installed.

Monitors
- Dell 20 Monitor E2020H
- Dell 22 Monitor E2220H
- Dell 24 Monitor E2420H
- Dell 22 Monitor E2216H
- Dell 27 Monitor E2720H
- Dell 24 Monitor E2417H
- Dell 22 Monitor P2219H (incl. WOST)
- Dell 24 Monitor P2419H
- Dell 24 Monitor P2418H
- Dell 24 Monitor P2418H/2419H
- Dell 24 Monitor P2419H/2419H (incl. WOST)
- Dell 24 Monitor P2419H/2419H (incl. WOST)

Adapters
- Dell Display Port to Display Port (.6M)
- USB-C to USB-C cable (0.6 meter) to enable USB-C Displays
- Dell Single Monitor Arm - MSA20
- USB-A to USB-B 3.0 Cable (0.6 meter)
- OptiPlex Ultra Height Adjustable Stand 19 in. - 27 in. monitors

Mounts & Stands
- OptiPlex Ultra Wall Mount
- OptiPlex Ultra Offset VESA Mount
- OptiPlex Ultra Fixed Stand for 19 in. - 24 in. monitors
- OptiPlex Ultra Large Height Adjustable Stand for 30 in. - 40 in. monitors

Audio
- Dell UC Headset - UC150
- Dell Pro Stereo Headset - Skype for Business - UC350
- Jabra Evolve 65 MS Stereo Headset
- Jabra Engage 65 MS Stereo Headset
- Logitech C525 HD Webcam
- Logitech BRIO 4K Ultra HD Webcam
- Logitech C930e HD Webcam
- Plantronics Savi W440M-400 Series convertible wireless headset DECT 6.0
- Plantronics Voyager Focus UC B825-M headset for Microsoft Lync
- Dell Mobile Adapter Speakerphone - MH3021P
**Recommended Options & Accessories**

**DELL HYBRID CLIENT**

**DELL 24 MONITOR - E2420HS**
A 23.8" monitor enhances your daily workflow. Featuring a height adjustable stand, Full HD resolution and integrated speakers in a space-saving design.

**DELL DOCK - WD19**
Work at full speed with Dell's powerful USB-C dock. Charge our system faster, support up to three displays, and connect to your peripherals via a single cable.

**DELL MOBILE WIRELESS MOUSE - MS3320W**
TWork seamlessly with dual mode connectivity (2.4GHz wireless or Bluetooth) and 36 months battery life.

**DELL NOTEBOOK POWER BANK PLUS USB C, 65 WH - PW7018LC**
With fast high-power delivery of up to 65 Wh, this power bank can charge the widest range of USB-C® laptops, and mobile devices.

**DELL PRO SLIM BACKPACK 15 PO1520PS**
A dependable everyday companion providing quality protection for your device.

**DELL PRO SLIM BRIEFCASE 15 PO1520CS**
Keep your laptop and other essentials securely protected within the eco-friendly Dell Pro Slim Briefcase 15. Your devices inside will remain dry in wet, stormy weather—thanks to the water-resistant protective coating.

**DELL PRO STEREO HEADSET UC150**
Hear every word clearly on your next call with the Dell Pro Stereo Headset, optimized to provide in-person call quality.

**DELL USB-C MOBILE ADAPTER DA300**
Offers seamless video, network, and data connectivity, all in a compact design.

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**Monitors**
- Dell 19 Monitor E1920H
- Dell 20 Monitor E2020H
- Dell 22 Monitor E2220H
- Dell 24 Monitor E2420HS
- Dell 27 Monitor E2720H
- Dell 27 Monitor E2720HS
- Dell 22 Monitor P2219H
- Dell 22 Monitor P2219HC
- Dell 24 Monitor P2418Hzm
- Dell 24 Monitor P2419H
- Dell 24 Monitor P2419HC
- Dell 24 Monitor P2421
- Dell 24 Monitor P2421D

**Adapters**
- Dell Adapter - HDMI to DVI
- Dell Adapter - USB-C to Dual USB-A with Power Pass-Through Combo Adapter
- Dell Adapter - USB-C to HDMI/DisplayPort with Power Pass-Through Combo Adapter
- Dell Adapter - USB-C to DisplayPort
- Dell Adapter - USB-C to HDMI/VGA/Ethernet/USB 3.0 - DA200
- Dell Adapter - USB-C to USB-A 3.0 - DA300

**Docking stations**
- Dell Dock - WD19
- Dell Performance Dock - WD19DC
- Dell Thunderbolt Dock - WD19TB
- Dell Universal Dock - D6000

**Input**
- Dell Laser Wired Mouse - MS3220
- Dell Mobile Wireless Mouse - MS3320W
- Dell Mobile Pro Wireless Mice - MS6120W
- Dell Multi-Device Wireless Mouse - MS5320W
- Dell Wireless Mouse - WM126
- Dell Wireless Mouse - WM326
- Dell Wireless Keyboard and Mouse - KM117
- Dell Wireless Keyboard and Mouse - KM636
- Dell Multi-Device Wireless Keyboard and Mouse Combo - KM7120W
- Logitech Wireless Combo - MK320
- Logitech Wireless Wave Combo MK550

**Audio**
- Dell UC Headset - UC150
- Dell USB Sound Bar - AC511
- Dell Mobile Adapter Speakerphone - MH3021
- Dell Pro Stereo Headset - Skype for Business - UC350
- Dell Professional Sound Bar - AE515

**External Data Storage**
- Dell USB Slim DVD/RW Drive - DW316
- Dell External SSD, USB Type-C®, USB 3.1 Gen2, 250GB
## Recommended Options & Accessories

**Recommended Options & Accessories** for Wyse 5070 with Dell Hybrid Client

<table>
<thead>
<tr>
<th>Category</th>
<th>Options</th>
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<tbody>
<tr>
<td><strong>Adapters</strong></td>
<td>Dell USB-C to DP, Dell USB-C to VGA, Dell USB-C to HDMI, Dell USB-C to Ethernet, Dell Smartcard Keyboard KB813, Dell Wired Laser Mouse Naruto</td>
</tr>
<tr>
<td><strong>Keyboards</strong></td>
<td>Dell Multimedia Keyboard KB216, Dell Wireless Keyboard and Mouse KM636, Jabra Engage 65 MS Stereo Headset, Logitech C525 HD Webcam, Logitech Brio 4k Ultra HD Webcam, Logitech C930e HD Webcam, Plantronics Savi W440M-400 Series convertible wireless headset - DECT 6.0, Plantronics Voyager Focus UC B825-M headset for Microsoft Lync</td>
</tr>
<tr>
<td><strong>Mice</strong></td>
<td>Dell MS116 Optical Mouse, Dell Wired Laser Mouse Naruto</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>Dell Pro Stereo Headset – Skype for Business UC350, Microsoft Corporation LifeChat LX-6000 Headset, Jabra Pro 935 MS Wireless headset (Mono) - Office Centric, Dell Professional Sound Bar AE515, Dell USB Sound Bar - AC511, Jabra Evolve 65 MS Stereo Headset, Logitech C930e HD Webcam, Plantronics Voyager Focus UC B825-M headset for Microsoft Lync</td>
</tr>
</tbody>
</table>
Modern clients powered with Dell Hybrid Client designed for the way people work

Dell Hybrid Client simplifies the cloud journey and enables users to securely access their applications & storage hosted on private or public cloud environments.

Performance-oriented remote worker accessing a rich mix of local, cloud-based and virtualized apps
- Purpose built to support the next generation of cloud applications with local offloading of collaboration tools
- Built-in VDI protocols to connect to a remote workstation and perform graphic-intensive work
- Flexible office space as well as a space saving remote work solution with the modular all-in-one OptiPlex 7090 Ultra

Knowledge worker accessing cloud-based resources
- Out of the box support for cloud-based productivity applications
- Single-sign-on across VDI and cloud resources
- Select the Latitude-based solution for remote work or a flexible modular all-in-one solution with OptiPlex 3090 Ultra to streamline office and home office space
- Centralized management of the user’s devices and application orchestration from the cloud

Task worker accessing VDI applications and transitioning to cloud resources
- Highly managed, cost-effective client device
- Full-featured local browser with security parameters centrally managed (restrict/allow URLs, restrict plugins, etc…)
- Out of the box access to cloud-based productivity apps and support for local Linux apps reducing the strain on VDI back-end resources
- Built-in support for VDI brokers from leading vendors (Citrix, VMware and Microsoft)
- Easy to adopt, leveraging local Active Directory or sync on-premises Azure AD
- Multi-factor authentication

Dell Hybrid Client simplifies the cloud journey and enables users to securely access their applications & storage hosted on private or public cloud environments.
Ensure simplicity, choice and consistency for your organization and workforce with Dell Hybrid Client. Dell exclusive cloud-managed client software solution designed for anytime, anywhere access.