

Dell Hybrid Client version 2310

Release Notes



Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Introduction

Dell Hybrid Client (DHC) is a desktop solution that follows the Software-as-a-Service (SaaS) model of software delivery. It provides a hybrid operating environment that enables you to access virtual, cloud, or local applications and resources seamlessly. It encompasses the cloud and storage aggregation for maintaining security and simplicity.

DHC 2310 can be deployed on two Ubuntu Dell-based operating systems, Ubuntu 20.04 LTS 64-bit and Ubuntu 22.04 LTS 64-bit. It has a minimum memory (RAM) of 8 GB and disk storage of 64 GB or higher.

Version

Dell Hybrid Client version 2310.72

Wyse Management Suite Pro version 4.x

Wyse Management Suite Configuration UI package 1.10.211 and later versions

 **NOTE:** Use Wyse Management Suite to upgrade your Dell Hybrid Client firmware to the latest version. For detailed information, see *Dell Hybrid Client Administrator's Guide* at www.dell.com/support.

Ubuntu version

Ubuntu 20.04 LTS 64-bit

Ubuntu 22.04 LTS 64-bit

Ubuntu 22.04 LTS 64-bit (FDE)

Release date

October 2023

New and Enhanced Features of Dell Hybrid Client 2310

DHCP option tags for VMware connection

Dell Hybrid Client 2310 supports configuration of DHCP option tags. The administrator can change the default DHCP option tags from Wyse Management Suite.

To configure the DHCP option tags from Wyse Management Suite, go to **Edit Policies > Dell Hybrid Client 2.x > Advanced > Network Configuration > DHCP Settings**.

Multiple monitor position configurations for Chrome browser

Dell Hybrid Client 2310 supports the configuration of the position of multiple monitors of the Chrome browser.

The administrator must enable multiple monitor support from Wyse Management Suite. When a value is specified in the **Monitor Id** field, the Chrome browser is launched in the specified monitor.

To configure the multiple monitor configurations from Wyse Management Suite, go to **Edit Policies > Dell Hybrid Client 2.x > Advanced > Browser Settings > Browser Shortcuts**.

Terminal shortcut support in normal and kiosk mode

Dell Hybrid Client 2310 supports the launch of terminal through shortcuts. The terminal can only be launched by an administrator. You can launch the terminal in kiosk mode using the CTRL + Alt + T shortcut.

RDP primary monitor position support for Ubuntu 22.04

The administrator can configure any monitor as the primary monitor in an RDP session from Wyse Management Suite.

To configure the RDP primary monitor position from Wyse Management Suite, go to **Edit Policies > Dell Hybrid Client 2.x > Advanced > Broker Settings > Microsoft Remote Desktop Settings > Windows Resolution** and configure the **Windows Resolution** option.

For more information, see *Dell Hybrid Client 2310 Administrator's Guide*.

Smart card login support for Ubuntu 22.04

From Dell Hybrid Client 2310, Smart Card-based login for Ubuntu 22.04 is supported directly from the device login screen. There are no specific configurations that are required to enable this feature and it is enabled by default.

File access support on Firefox browser

The administrator can configure the **URL Allow/Deny List** from Wyse Management Suite to enable or disable access to files from the Firefox browser.

To configure the settings from Wyse Management Suite, go to **Edit Policies > Dell Hybrid Client 2.x > Advanced > Browser Settings > Firefox Settings**.

Firefox kiosk support in Single Application mode

The administrator can launch the Firefox browser using the `--kiosk` additional argument option on the DHC Single Application mode using the browser shortcuts. The `--kiosk` command must be in the **Additional Argument** field of browser shortcuts for the Firefox browser.

Rebrand Teradici to Anyware

Teradici application is rebranded to Anyware from DHC 2310. Teradici configurations are also rebranded to Anyware in Wyse Management Suite.

AVD enhancements

The following are the major AVD enhancements in Dell Hybrid Client 2310:

- Support for multimonitor hot plug
- AVD session performance improvements for better use experience.

VMware multiple monitor position support

Dell Hybrid Client 2310 supports configuration of multiple monitors of VMware session. The administrator must enable multiple monitor support from Wyse Management Suite.

To configure the multiple monitor configurations from Wyse Management Suite, go to **Edit Policies > Dell Hybrid Client 2.x > Advanced > Broker Settings > VMware Broker Settings**.

 **NOTE:** VMware supports monitor id positioning of horizontal multiple monitor setups only.

Fiber connectivity support for OptiPlex 3000 Thin Client

You can use fiber cables that are connected to SFP or Fiber ports to connect to a network or Internet.

To use the fiber connectivity, the BIOS version should be 1.10.0 or later.

Supported Platforms

Table 1. Supported Platforms (DHC Pre-Installed)

Platform	Processor	RAM	eMMC/SSD/HDD
OptiPlex 3000 Thin Client	11 th Generation Pentium and Celeron	8 GB and above	64 GB and above
OptiPlex 3000 Thin Client (Full Disk Encryption)	11 th Generation Pentium and Celeron	8 GB and above	64 GB and above
Precision 3260	12 th Gen Intel Core i3/i5/i7	8 GB and above	128 GB and above
Latitude 3440	12 th Gen Intel Core i3/i5/i7	8 GB and above	128 GB and above
Latitude 5440	12 th Gen Intel Core i3/i5/i7	8 GB and above	128 GB and above
OptiPlex 7410 All-in-One	13 th Gen Intel Core i5/i7	8 GB and above	128 GB and above

Software and Package Information

Table 2. Dell Hybrid Client Bundle 20.04 Package

File Name	DellHybridClient_2310.68 _U20.04.tar.gz
Size (bytes)	915,352,145

Table 3. Dell Hybrid Client Bundle 22.04 Package

File Name	DellHybridClient_2310._U22.04.tar.gz
Size (bytes)	968,355,286

Table 4. Dell Hybrid Client Citrix Client Package 20.04

File Name	DHC2310-VDI-citrixclient_23.09.0.24-25_20.04.tar.gz
Size (bytes)	446,339,914

Table 5. Dell Hybrid Client Citrix Client Package 22.04

File Name	DHC2310-VDI-citrixclient_23.09.0.24-25_22.04.tar.gz
Size (bytes)	445,616,189

Table 6. Dell Hybrid Client Custom Connections Package 20.04

File Name	DHC2310-customconnection_00-04_20.04.tar.gz
Size (bytes)	293,900

Table 7. Dell Hybrid Client Custom Connections Package 22.04

File Name	DHC2310-customconnection_00-03_22.04.tar.gz
Size (bytes)	182,424

Table 8. Dell Hybrid Client Smartcard Login Enabler Package 20.04

File Name	DHC2310-OS-smartcardloginenabler_00-05_20.04.tar.gz
Size (bytes)	14,084,565

Table 9. Dell Hybrid Client Azure Virtual Desktop 20.04

File Name	DHC2310-VDI-avd_2310-05_20.04.tar.gz
Size (bytes)	395,022,992

Table 10. Dell Hybrid Client Azure Virtual Desktop 22.04

File Name	DHC2310-VDI-avd_2310-05_22.04.tar.gz
Size (bytes)	469,437,408

Table 11. Dell Hybrid Client Multimedia Extension VDI Package 20.04

File Name	DHC2310-VDI-multimediaextension_00-04_20.04.tar.gz
Size (bytes)	77,640,302

Table 12. Dell Hybrid Client Multimedia Extension VDI Package 22.04

File Name	DHC2310-VDI-multimediaextension_00-04_22.04.tar.gz
Size (bytes)	237,231,473

Table 13. Dell Hybrid Client RDP Package 20.04

File Name	DHC2310-VDI-rdpclient_8.1.08-32_20.04.tar.gz
Size (bytes)	1,572,864

Table 14. Dell Hybrid Client RDP Package 22.04

File Name	DHC2310-RDS-sshserver_8.2p1-4-03_20.04.tar.gz
Size (bytes)	1,443,549

Table 15. Dell Hybrid Client SSH Server Package 20.04

File Name	DHC2.5-RDS-sshserver_8.2p1-4-03_20.04.tar.gz
Size (bytes)	1,652,823

Table 16. Dell Hybrid Client SSH Server Package 22.04

File Name	DHC2310-RDS-sshserver_8.2p1-4-03_22.04.tar.gz
Size (bytes)	1,573,507

Table 17. Dell Hybrid Client VNC Server Package 20.04

File Name	DHC2310-RDS-vncserver_0.9.16-3-03_20.04.tar.gz
Size (bytes)	3,441,045

Table 18. Dell Hybrid Client VNC Server Package 22.04

File Name	DHC2310-RDS-vncserver_0.9.16-3-03_22.04.tar.gz
Size (bytes)	3,514,318

Table 19. Dell Hybrid Client Zoom Citrix Package

File Name	DHC2310-VDI-zoomcitrix_5.14.0-07_all.tar.gz
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Table 19. Dell Hybrid Client Zoom Citrix Package (continued)

Size (bytes)	64,611,553
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Table 20. Dell Hybrid Client Zoom VMware Package

File Name	DHC2310-VDI-zoomvmware_5.14.0-07_all.tar.gz
Size (bytes)	64,592,822

Table 21. Dell Hybrid Client Cisco Webex Package

File Name	DHC2310-VDI-webexoffload_43.4.0-04_all.tar.gz
Size (bytes)	87,480,282

Table 22. Dell Hybrid Client Cisco Jabber Package

File Name	DHC2310-VDI-jabberoffload_14.1.2-03_all.tar.gz
Size (bytes)	52,867,750

Table 23. Dell Hybrid Client Full Language Package 20.04

File Name	DHC2310-LP-fulllanguage_00-03_20.04.tar.gz
Size (bytes)	390,375,079

Table 24. Dell Hybrid Client Full Language Package 22.04

File Name	DHC2310-LP-fulllanguage_00-05_22.04.tar.gz
Size (bytes)	429,356,962

Table 25. Dell Hybrid Client Imprivata Package 20.04

File Name	DHC2310-VDI-imprivata_7.8.1.641901-08_20.04.tar.gz
Size (bytes)	52,761,797

Table 26. Dell Hybrid Client Teradici Package 20.04

File Name	DHC2310-VDI-anyware_22.09.4-07_20.04.tar.gz
Size (bytes)	136,526,433

Table 27. Dell Hybrid Client Teradici Package 22.04

File Name	DHC2310-VDI-anyware_22.09.4-05_22.04.tar.gz
Size (bytes)	53,929,296

Table 28. Dell Hybrid Client VMware Client Package 20.04

File Name	DHC2310-VDI-vmwareclient_2303-8.9.0-10_20.04.tar.gz
Size (bytes)	206,453,302

Table 29. Dell Hybrid Client VMware Client Package 22.04

File Name	DHC2310-VDI-vmwareclient_2303-8.9.0-10_22.04.tar.gz
Size (bytes)	206,192,144

Table 30. Dell Hybrid Client ISO Package for Precision 3260 22.04

File Name	DellHybridClient_2310.72_U22.04_3260.iso
Size (bytes)	5,734,791,168

Table 31. Dell Hybrid Client ISO Package for Optiplex 3000 Thin Client 22.04

File Name	DellHybridClient_2310.72_U22.04_3000_TC.iso
Size (bytes)	5,763,162,112

Table 32. Dell Hybrid Client ISO Package for Latitude 3440 22.04

File Name	DellHybridClient_2310.72_U22.04_3440.iso
Size (bytes)	6,283,565,056

Table 33. Dell Hybrid Client ISO Package for Latitude 5440 22.04

File Name	DellHybridClient_2310.72_U22.04_5440.iso
Size (bytes)	6,003,652,608

Table 34. Dell Hybrid Client ISO Package for 7410 AIO 22.04

File Name	DellHybridClient_2310.72_U22.04_7410.iso
Size (bytes)	6,177,794,048

Table 35. Dell Hybrid Client ISO Package for Optiplex 3000 Thin Client FDE_22.04

File Name	DellHybridClient_2310_72_FDE_U22.04_3000_TC.iso
Size (bytes)	7,225,257,984

Supported VDI clients and local applications

Table 36. Common local applications and VDI client versions

Description	Version
Dell RDP	8.1.08
Citrix Workspace App	2309
VMware Horizon Client	2306
Zoom Client	5.14.5
Anyware PCoIP Client	22.09
Azure Virtual Desktop	2310-05
Imprivata	7.8.1 (Ubuntu 20.04)

Supported Browsers

Table 37. Browser Versions 20.04

Browser	Version
Firefox	117.0 (64-bit)
Chrome	116.0.5845.187 (64-bit)

Table 38. Browser Versions 22.04 (FDE and Non FDE)

Browser	Version
Firefox	117.0.1 (64-bit)
Chrome	116.0.5845.187 (64-bit)

Optional Packages

Table 39. Optional Packages 20.04

Packages	Comments
DHC2310-customconnection_00-04_20.04.tar.gz	To create a custom connection from WMS
DHC2310-RDS-sshserver_8.2p1-4-03_20.04.tar.gz	To access SSH for the device
DHC2310-RDS-vncserver_0.9.16-3-03_20.04.tar.gz	To support VNC Remote access
DHC2310-LP-fulllanguage_00-03_20.04.tar.gz	Package installs supported multi-lingual languages
DHC2310-VDI-citrixclient_23.05.0.58-23_20.04.tar.gz	Packages Installs Citrix client
DHC2310-VDI-vmwareclient_2303-8.9.0-09_20.04.tar.gz	Package Installs VMware client
DHC2310-VDI-imprivata_7.8.1.641901-08_20.04.tar.gz	Package installs Imprivata client
DHC2310-VDI-teradici_22.09.4-06_20.04.tar.gz	Package Installs Teradici client
DHC2310-VDI-rdpclient_8.1.08-27_20.04.tar.gz	Package installs Remote desktop protocol
DHC2310-VDI-multimediaextension_00-03_20.04.tar.gz	Package installs Multimedia Extension plugin
DHC2310-VDI-avd_2.5-06_20.04.tar.gz	Package installs Azure Virtual Desktop
DHC2310-OS-smartcardloginenabler_00-05_20.04.tar.gz	Package to Enable Device Smartcard login

Table 40. Optional Packages 22.04

Packages	Comments
DHC2310-customconnection_00-03_22.04.tar.gz	To create a custom connection from WMS
DHC2310-RDS-sshserver_8.2p1-4-03_22.04.tar.gz	To access SSH for the device
DHC2310-RDS-vncserver_0.9.16-3-03_22.04.tar.gz	To support VNC Remote access
DHC2310-LP-fulllanguage_00-05_22.04.tar.gz	Package installs supported multi-lingual languages
DHC2310-VDI-citrixclient_23.05.0.58-23_22.04.tar.gz	Packages Installs Citrix client
DHC2310-VDI-vmwareclient_2303-8.9.0-09_22.04.tar.gz	Package Installs VMware client
DHC2310-VDI-teradici_22.09.4-05_22.04.tar.gz	Package Installs Teradici client
DHC2310-VDI-rdpclient_8.1.08-27_22.04.tar.gz	Package installs Remote desktop protocol
DHC2310-VDI-multimediaextension_00-03_22.04.tar.gz	Package installs Multimedia Extension plugin
DHC2310-VDI-avd_2.5-06_22.04.tar.gz	Package installs Azure Virtual Desktop
DHC2310-VDI-imprivata_7.8.1.641901-08_22.04.tar.gz	Package installs Imprivata client

Table 41. Common Packages for Ubuntu 20.04 and 22.04

Packages	Comments
DHC2310-VDI-jabberoffload_14.1.2-03_all.tar.gz	Package installs Cisco Jabber plugins
DHC2310-VDI-webexoffload_43.4.0-04_all.tar.gz	Package installs Cisco Webex plugins
DHC2310-VDI-zoomcitrix_5.14.0-07_all.tar.gz	Package installs Citrix zoom plugins
DHC2310-VDI-zoomvmware_5.14.0-07_all.tar.gz	Package installs VMware zoom plugins

Supported Languages

- English (US)

- French (France)
- German
- Italian
- Spanish Latin (America)
- Korean
- Japanese
- Chinese Simplified
- Chinese Traditional
- Russian
- Portuguese (Brazil)
- Hebrew
- Danish
- Finnish
- Norwegian
- Swedish

Peripheral Matrix

Table 42. Peripheral Matrix OptiPlex 3000

Product Category (Module)	Product Description	OptiPlex 3000 Status
Audio/Video	Dell Pro Stereo Headset - Cortez - WH3022	✓
	Dell Slim Soundbar - Ariana - SB521A	✓
	Logitech BRIO 4K Ultra HD Webcam - 960-001105 - 960-001105	✓
	Logitech C525 HD Webcam - 960-000715 - 960-000715	✓
	Logitech C930e HD Webcam - 960-000971 - 960-000971	✓
	Dell Pro Stereo Soundbar - AE515M - AE515M - AE515M - Nirvana M	✓
	Dell Stereo Soundbar - AC511M - AC511M - AC511M - Potential M	✓
	Jabra Engage 65 MS Wireless Headset - 9559-553-125 Dell part #: AA143343 - 9559-553-125 Dell part #: AA143343	✓
	Jabra Evolve 65 MS Stereo - Headset - 6599-823-309 - 6599-823-309	✓
	Dell Mobile Adapter Speakerphone - MH3021P - Apollo - MH3021P	✓
	Dell Premier Wireless ANC Headset - Blazer - WL7022	✓
	Dell Pro Wireless Headset - Daybreak - WL5022	✓
	Dell Slim Conferencing Soundbar - Lizzo - SB522A	✓
	Dell Speakerphone - Mozart - SP3022	✓
	Plantronics Savi W440M-400 Series convertible wireless headset - DECT 6.0 - 203947-01 - 203947-01	✓

Table 42. Peripheral Matrix OptiPlex 3000 (continued)

Product Category (Module)	Product Description	OptiPlex 3000 Status
	Plantronics Voyager Focus UC B825-M headset for Microsoft Lync - 202652-02 - 202652-02	✓
	Dell Pro Stereo Headset - Presto - WH1022	✓
	Dell Pro Webcam - Falcon - WB5023	✓
	Dell UltraSharp Webcam - Acadia Webcam - WB7022	✓
Cables/Dongles/Adapters	Dell USB-C Mobile Adapter - DA310 - Slayer 3 MLK - DA310	✓
External Data Storage	Dell USB Slim DVD +/- RW Drive - DW316 - DW316 - Agate - DW316	✓
	Apricorn 1TB Aegis Padlock 256-bit AES Encrypted Hard Drive	✓
	Western Digital My Passport Ultra 1TB , Black - WDBYNN0010BBK-WESN - WDBYNN0010BBK-WESN	✓
Input Devices	Dell Pro Wireless Keyboard and Mouse - Tasman (previous Windsor) - KM5221W	✓
	Dell Laser Wired Mouse - MS3220_Black - Morty - MS3220	✓
	Dell Business Multimedia Keyboard - KB522 - KB522 - KB522 - Scarlet	✓
	Dell Mobile Wireless Mouse - MS3320W_Black - Dawson - MS3320W	✓
	Dell Premier Multi-Device Wireless Keyboard and Mouse - Acadia IO - KM7321W	✓
	Dell Multi-Device Wireless Keyboard and Mouse Combo - KM7120W - KM7120W - Felix	✓
	Dell Multi-Device Wireless Mouse - MS5320W - MS5320W - Comet	✓
	Dell Optical Mouse - MS116	✓
	Dell KB813 Smartcard Keyboard - KB813 - KB813 - Cardinal	✓
	Dell Mobile Pro Wireless Mice - MS5120W_Black - Splinter - MS5120W	✓
	Dell Multimedia Keyboard - KB216	✓
	Dell Wired Mouse with Fingerprint Reader - MS819 - Ultramarine - MS819	✓
	Dell Wireless Keyboard and Mouse - Auburn MLK - KM3322W	✓

Table 42. Peripheral Matrix OptiPlex 3000 (continued)

Product Category (Module)	Product Description	OptiPlex 3000 Status
	Dell Mouse MS700	✓
Monitors	Dell 24 Monitor - P2422H - P2422H	✓
	Dell UltraSharp 24 Monitor - U2422H - U2422H	✓
	Dell UltraSharp 24 USB-C HUB Monitor - U2422HE - U2422HE	✓
	Dell Collaboration 24 USB-C Hub Monitor - C2422HE	✓
	Dell 24 USB-C Hub Monitor - P2422HE - P2422HE	✓
	Dell UltraSharp 27 USB-C HUB Monitor - U2722DE	✓
	Dell 27 USB-C Hub Monitor - P2722HE - P2722HE	✓
	Dell UltraSharp 27 Monitor - U2722D - U2722D	✓
	Dell Collaboration 27 USB-C Hub Monitor - C2722DE - C2722DE	✓
	Dell 27 Monitor - P2722H - P2722H	✓
	Dell 22 Monitor - P2222H - P2222H	✓
	Dell 24 Monitor - P2421 - P2421 - P2421	✓
	Dell 24 Monitor - P2421D - P2421D - P2421D	✓
	Dell 27 Monitor - P2720D - P2720D	✓
	Dell 27 USB-C Monitor - P2720DC - P2720DC	✓
	Dell UltraSharp 25 USB-C Monitor - U2520D - U2520D	✓
	Dell Collaboration 34 USB-C Hub Monitor - C3422WE - C3422WE	✓
	Dell UltraSharp 34 Curved USB-C HUB Monitor - U3421WE - U3421WE	✓
	Dell 20 Monitor E2020H - E2020H	✓
	Dell 19 Monitor E1920H - E1920H	✓
	Dell 24 Monitor E2420H - E2420H	✓
	Dell 24 Monitor E2420HS - E2420HS	✓
	Dell 27 Monitor E2720H - E2720H	✓
	Dell 27 Monitor E2720HS - E2720HS	✓
	Dell 23 Monitor - P2319H - P2319H - P2319H	✓
	Dell UltraSharp 32 4K USB-C Monitor - U3219Q - U3219Q	✓

Table 42. Peripheral Matrix OptiPlex 3000 (continued)

Product Category (Module)	Product Description	OptiPlex 3000 Status
	Dell 24 Touch Monitor - P2418HT - P2418HT - P2418HT	✓
	Dell 22 Monitor - E2223HN - E2223HN	✓
	Dell 27 4K USB-C Monitor - P2721Q - P2721Q	✓
	Dell 32 USB-C Monitor - P3221D - P3221D	✓
	Dell 34 Curved USB-C Monitor - P3421W - P3421W	✓
	Dell Collaboration 32 Monitor - U3223QZ - U3223QZ	✓
	Dell UltraSharp 24 Hub Monitor U2421E - U2421E	✓
	Dell UltraSharp 27 4K USB-C HUB Monitor - U2723QE - U2723QE	✓
	Dell UltraSharp 30 USB-C HUB Monitor - U3023E - U3023E	✓
	Dell UltraSharp 38 Curved USB-C HUB Monitor - U3821DW - U3821DW	✓
	Dell 17 Monitor - E1715S - E1715S - E1715S	✓
	Dell 19 Monitor - P1917S - P1917S - P1917S	✓
	Dell 24 USB-C Monitor - P2421DC - P2421DC - P2421DC	✓
	Dell UltraSharp 27 4K USB-C Monitor - U2720Q - U2720Q	✓
	Dell 21 Monitor - E2221HN	✓
	Dell 24 Monitor - E2421HN	✓

Table 43. Peripheral Matrix OptiPlex 5400 AIO

Product Category (Module)	Product Description	OptiPlex 5400(AIO) Status
Audio Devices	Dell Pro Stereo Headset - UC150 - Skype for Business	✓
	Dell Pro Stereo Headset - Skype for Business - UC350	✓
	Jabra PRO 935 USB MS Lync Headset - 935-15-503-185	✓
	Dell 2.0 Speaker System - AE215	✓
	Dell Wired 2.1 Speaker System - AE415	✓
	Jabra Evolve 65 MS Stereo - Headset	✓
	Jabra Engage 65 Stereo Headset	✓
	Plantronics Savi W440M-400 Series convertible wireless headset - DECT 6.0	✓

Table 43. Peripheral Matrix OptiPlex 5400 AIO (continued)

Product Category (Module)	Product Description	OptiPlex 5400(AIO) Status
	Dell Pro Stereo Headset - Cortez - WH3022	✓
	Plantronics Voyager Focus UC B825-M headset for Microsoft Lync	✓
	Plantronics Voyager Focus UC B825-M headset for Microsoft Lync	✓
Input Devices	Dell Laser Scroll USB 6-Buttons Silver and Black Mouse - Naruto	✓
	Dell Laser Wired Mouse - MS3220 - Morty	✓
	Dell USB Wired Keyboard - KB216	✓
	Dell USB Wired Optical Mouse - MS116	✓
	Dell Premier Wireless Mouse - WM527	✓
	Dell Wireless Keyboard and Mouse - KM636	✓
	Dell Wireless Mouse - WM326	✓
	Dell Premier Multi-Device Wireless Keyboard and Mouse - Acadia IO - KM7321W	✓
	Dell Wireless Mouse MS-700	✓
Adapters / Cables / Dongles	C2G - USB 2.0 A (Male) to DB9 (Serial) (Male) Adapter	✓
	StarTech.com 1 Port USB to RS232 DB9 Serial Adapter Cable - Serial adapter - USB 2.0 - RS-232	✓
	Dell Adapter - DisplayPort to HDMI 2.0 (4K) - DANAUBC087 - DANAUBC087	✓
External data storage	SD Card Port	x
	Apricorn 1TB Aegis Padlock 256-bit AES Encrypted Hard Drive	✓
	Western Digital My Passport Ultra 1TB , Black - WDBYNN0010BBK-WESN - WDBYNN0010BBK-WESN	✓
Display / Monitors	Dell 19 Monitor E1916H	✓
	Dell 19 Monitor E1916H	✓
	Dell 20 Monitor E2016H	✓
	Dell 20 Monitor E2020H	✓
	Dell 22 Monitor E2216H	✓
	Dell 22 Monitor E2218HN	✓
	Dell 22 Monitor E2220H	✓
	Dell 23 Monitor E2318H	✓
	Dell 24 Monitor E2417H	✓
	Dell 24 Monitor E2420H	✓
	Dell 24 Monitor E2420HS	✓

Table 43. Peripheral Matrix OptiPlex 5400 AIO (continued)

Product Category (Module)	Product Description	OptiPlex 5400(AIO) Status
	Dell 24 Monitor E2422H	✓
	Dell 24 Monitor E2422HN	✓
	Dell 24 Monitor E2422HS	✓
	Dell 27 Monitor E2720H	✓
	Dell 27 Monitor E2720HS	✓
	Dell 24 Monitor P2415Q	✓
	Dell 24 Monitor P2418HT	✓
	Dell 24 Monitor P2419H	✓
	Dell 24 Monitor P2421	✓
	Dell 24 Monitor P2421D	✓
	Dell 24 Monitor P2422H	✓
	Dell 24 Monitor P2423	✓
	Dell 24 Monitor P2423D	✓
	Dell 27 Monitor P2719H	✓
	Dell 34 Monitor P3418HW	✓
	Dell 43 Monitor P4317Q	✓
	Dell Ultra-Sharp 24 Monitor U2415	✓
	Dell Ultra-Sharp 24 Monitor U2419H	✓
	Dell Ultra-Sharp 24 Monitor U2422H	✓
	Dell Ultra-Sharp 25 Monitor U2518D	✓
	Dell Ultra-Sharp 25 Monitor U2520D	✓
	Dell Ultra-Sharp 27 Monitor U2718Q (4K)	✓
	Dell Ultra-Sharp 27 Monitor U2719D	✓
	Dell Ultra-Sharp 27 Monitor U2720Q	✓
	Dell Ultra-Sharp 27 Monitor U2721DE	✓
	Dell Ultra-Sharp 43 Monitor U4320Q	✓
	Dell 27 Monitor E2724HS	✓
	Dell 24 Monitor U2424H	✓
	Dell 24 Monitor P2424HT	✓
Smart Card & Readers	Dell Smartcard Keyboard - KB813	✓
	Dell keyboard KB813t	✓
	Cherry Smart Terminal ST-1144 SMART Card Reader - USB 2.0	✓
	Card_IDPrimeMD840B_white_PVC	✓
	YubiKey Neo 5.0	✓

Printer Matrix

Table 44. Printer Matrix

Printing Type	Printer Type	USB	LPD	SMB	URI
Local	Firefox	✓	✓	✓	✓
	Chrome	✓	✓	✓	✓
	Libre Office	✓	✓	✓	✓
	File Explorer	✓	✓	✓	✓
WMS	Printer push from WMS	N/A	✓	✓	✓
VDI Sessions	RDP	x	x	x	x
	VMware RDP	x	x	x	x
	VMware PCoIP	✓	✓	✓	✓
	VMware Blast	✓	✓	✓	✓
	Citrix	✓	✓	✓	✓
	Citrix Apps	✓	✓	✓	✓
	Teradici	x	x	x	x
	AVD	x	x	x	x

Display Matrix

Table 45. Display Matrix

Hardware	Monitors	VDI Sessions					
		RDP	VMWare RDP	VMWare PCoIP	VMWare Blast	Citrix	AVD
OptiPlex 3000 Thin Client	2-4K Monitors: DP1:P2721Q(DP-cable) DP2:P2721Q(DP-cable)	✓	✓	✓	✓	✓	✓
OptiPlex 3000 Thin Client	3-4K Monitors: DP1:P2721Q(DP-cable) DP2:U2723QE(DP-cable) DP4:P2721Q(C-Type)	X	✓	✓	✓	✓	✓
Precision 3260	6-2K Monitors: DP1:P2217(DP-cable) DP2:P2217(DP-cable) DP3:P2722H(DP-cable) NVIDIA DP4:P2417H(DP to mDP cable)	✓	✓	X	✓	✓	✓

Table 45. Display Matrix (continued)

Hardware	Monitors	VDI Sessions					
		RDP	VMWare RDP	VMWare PCoIP	VMWare Blast	Citrix	AVD
	NVIDIA DP5:P2417H (DP to mDP cable) NVIDIA DP6:P2722H(DP to mDP cable)						
Precision 3260	2-4K Monitors: DP1:P2721Q(DP-cable) DP2:P2721Q(DP-cable) 2-2K Monitors: DP3:P2217(DP-cable) NVIDIA mDP6:P2217(DP to mDP cable)	✓	✓	✓	✓	✓	✓
Precision 3260	2-4K Monitors: DP1:P2721Q(DP-cable) DP2:P2721Q(DP-cable) 3-2K Monitors: DP3:P2217(DP-cable) NVIDIA DP6:P2217(DP to mDP cable) NVIDIA DP5:P2417H (DP to mDP cable)	✓	✓	X	✓	✓	✓
Precision 3260	1-4K Monitors: DP1:P2723QE(DP-cable) 5-2K Monitors: DP2:P2217(DP-cable) DP3:P2217(DP-cable) NVIDIA DP6:P2722H(DP to mDP cable) NVIDIA DP4:P2417H (DP to mDP cable) NVIDIA DP5:P2417H (DP to mDP cable)	✓	✓	X	✓	✓	✓

Tested Broker Connections

VDI and Server Environment Details

The tables below consists of various server and desktop information for different protocols testing.

VMWare

Table 46. VMWare

VDI Version	Desktop	RDS Server	
	WIN10 ENT	WIN 2016/2019/2022	Apps WIN 2016/2019/2022
VMware Horizon 8 2303	✓	✓	✓

Citrix Virtual Applications and Desktops

Table 47. Citrix Virtual Applications and Desktops

VDI Version	Desktop	Server	Apps
	WIN10/11 ENT	WIN 2016/2K19/2K22	WIN 2016/2K19/2K22
Citrix Virtual Desktops 7 2305	✓	✓	✓

Microsoft RDP

Table 48. Microsoft RDP

VDI Version	Desktop	Server Operating System		
	WIN 10/11 ENT	WIN 2016	WIN 2K19	WIN 2K22
Microsoft RDP	✓	✓	✓	✓

Limitations and Behaviors

- Non-FDE to FDE conversion is not supported from WMS and DCA-Enabler is not supported for FDE devices.
- BIOS Update from WMS is not supported for Ubuntu 22.04 FDE.
- In PIW (Connection Mode), you cannot use other application. You must close Imprivata and restart the client to use other application.
- Fingerprint authentication is not supported for Imprivata.
- After you launch and close Imprivata applications in PIE mode, you must manually restart the client to view the authentication screen.
- Imprivata Smart card does not work for the logoff function from the connection mode until you restart your computer.
- In Imprivata, you must remove configuration settings from WMS and restart it manually, in order to move to DHC from the PIE mode.
- Imprivata is not supported on Ubuntu 22.04.
- Smart card device login is not supported on Ubuntu 22.04. `DHCX.X-OS-smartcardloginenabler` add-on must be installed on Ubuntu 20.04 to enable Smartcard device login.
- In Latitude 3330, for a guest user, when the device prompts for a password, the user must press **Enter**.
- Base operating system upgrade from 20.04 to 22.04 using **apt update & apt upgrade** is not recommended in DHC.
- Ubuntu 22.04 screen recorder is not supported for multiple tabs or actions.
- Plugins must be installed only after installing the VDI client.

- After upgrading from 2.0 to 2.5, icons are not displayed on the desktop.
- AVD applications are not supported in multi-monitor setup.
- Monitor hot plug-in is not supported for RDP.
- The filename under the `Pictures` folder must have alphanumeric values for FTP copy operation support.
- VLC media player is removed from DHC 2310. You can install it based on the licensing terms. The playback of videos is not possible till you install the required plugins for the video playback in the browser.
- Anyware add-on installation succeeds on the device, whereas it shows as failed in the **Jobs** tab in Wyse Management Suite. However, there are no major functionality impacts. Any multimedia-related functionality requires the installation of required codec packages.

Known issues

Table 49. Known issues

Issue ID	Description
HC-14786	You cannot copy screen shots from the <code>Pictures</code> folder to FTP share folder(s).
HC-14787	After pushing AD Direct Login configuration from device level exceptions page, a reboot message is displayed if you push any other configurations from exceptions.
HC-14788	After factory reset, log level does not get reset to default values.
HC-14791	When domain join toggle button is enabled, username, password, and domain fields are mandatory.
HC-14793	After restart or logout, you cannot open a file with VDI application when you push VDI FTA configuration from WMS.
HC-14835	VMware Authentication prompt is displayed even after unauthenticated access enabled in WMS.
HC-14900	When you launch published application, Wrong Credentials message is displayed where application server is down.
HC-14928	After installing AVD Package from WMS, Dell RDP icon is not listed in All Applications .
HC-14941	Dell OptiPlex 5400 AIO(Touch Screen) Virtual keyboard is not working.
HC-15006	Device settings is cropped for particular three monitor alignment in multi monitor.
HC-15039	When we apply multimonitor configurations, failed to apply configurations message is displayed in Events even after configurations are applied successfully.
HC-15069	Mouse pointer disappear after sign-out from Citrix App For Client Optiplex 5400 AIO.

Fixed issues

Table 50. Fixed issues

Issue ID	Description
HC-15044	Dell RDP does not launch when RDP Multi monitor is configured.
HC-15040	Even if there is no application to open the file, the File launched with <application name> message is displayed.

Table 50. Fixed issues (continued)

Issue ID	Description
HC-15034	VPN data does not persist after closing and opening device settings.
HC-14971	Keyboard shortcuts work even after you enable Block Global Keyboard Shortcuts key from WMS.
HC-14970	Firefox does not launch in default single application mode.
HC-14933	After you launch the Cloud or On-premises desktop session, the DHC Favourite bar overlaps.
HC-14925	Monitors List Field Under VMware Broker agent Settings should not be mandatory.
HC-14874	After Configuring a valid port number from VMware Broker agent settings, it Input for VMware Port Number Validation Error is displayed after you click Save and Publish .
HC-14795	After your logout from VMware, the autoconnect timer does not end.
HC-14785	Kernel version is not updated to the latest kernel version from snap store after enabling the Kernel Update configuration from WMS.
HC-14483	In DFE, when you add a personal GCP account and in grid view if you add multiple files with the same name and select one of the files, all files with the same name are selected.
HC-14399	Hot plugging additional monitor for AVD Cloud and On-premises Desktop session does not work.
HC-14688	VMware icon enumeration is successful even after entering wrong credentials in the authentication UI.
HC-14018	Device settings tabs are cropped, and the Device settings menu overlaps on the dock.
HC-13665	The device stops working in the OOB Setup wizard after installation when the subnet does not have DHCP.
HC-14400	In Cloud Desktop Session, when you drag-and-drop applications from primary monitor to secondary monitor, the mouse events are not handled properly.
HC-14191	Firefox and Google chrome browsers stops responding after installing zoom-Citrix and Citrix add-on.
HC-13158	Display crop and Mirror mode are observed when single display mode is pushed using WMS and enabling monitor settings in Gnome using WMS.
HC-11893	Notification message is split on dual monitor setup, and alignment of message is not in order.

Resources and support

1. Go to www.dell.com/support.
2. In the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** search box, type the product name or the product model. For example, **Dell Hybrid Client**.

A list of matching products is displayed.
3. Click your product from the list.
4. Click **DOCUMENTATION**.

Contacting Dell

 **NOTE:** If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell sales, technical support, or customer service issues:

1. Go to www.dell.com/support.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.