



# Requirements

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## General Requirements

General requirements apply to all Cisco Jabber Softphone for VDI platforms.



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**Important**

Only the components, versions, and minimum hardware requirements listed in this guide are supported. Use of unsupported components can result in a nonfunctional deployment.

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## Accessories

For a complete listing of recommended audio and video accessories, see *Unified Communications Endpoint and Client Accessories*, at [http://www.cisco.com/c/en/us/products/unified-communications/uc\\_endpoints\\_accessories.html](http://www.cisco.com/c/en/us/products/unified-communications/uc_endpoints_accessories.html).

Ensure that all Jabra devices are running the latest firmware. You can use Jabra Direct to update the firmware.

## Cisco Jabber for Windows

This release of Cisco Jabber for Windows, running on the hosted virtual desktop (HVD).

For complete information about virtual environment compatibility, see the Cisco Jabber documentation for your release.

## Cisco Unified Communications Manager

**Recommended:** Unified CM Release 11.5(1)SU3 or later

**Minimum:** Unified CM Release 10.5

## Cisco Expressway for Mobile and Remote Access (MRA)

**Recommended:** Expressway X12.5

**Minimum:** Expressway X8.11.4

Cisco Jabber Softphone for VDI with MRA only supports OAuth 2.0 for authentication. See the [Deploying OAuth with Cisco Collaboration Solution](#) guide for more information.



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**Note** JVDI over MRA does not support collab-edge SRV being resolveable from the HVD. Softphone registration with JVDI fails in this case.

When using JVDI over MRA deployments with Split DNS (different domains for inside and outside the network), the HVD must not discover the internal domain. If it does, Cisco Jabber Softphone for VDI registration also fails. To ensure the client does not discover the internal domain, disable UPN during Jabber installation on HVD.

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## Connection Broker—Installed on the Hosted Virtual Desktops

- Citrix XenApp and XenDesktop 6.x, 7.x (CR—up to 7.18; LTSR—up to 7.15 CU8)
- Citrix Virtual Apps and Desktops 7 (CR—up to 2305, LTSR 1912—up to CU7, LTSR 2203—up to CU3)
- VMware Horizon versions 6.x to 8.x.

A connection broker is software that creates connections to hosted virtual desktops. A connection broker performs a number of tasks including the following:

- Validating the username and providing a connection for the user.
- Allowing the user to connect to a specific virtual desktop.

## Operating Systems—Installed on the Hosted Virtual Desktops

- Microsoft Windows 8.1 32-bit
- Microsoft Windows 8.1 64-bit
- Microsoft Windows 10 32-bit
- Microsoft Windows 10 64-bit
- Microsoft Windows 11 64-bit (as of Jabber VDI 14.0.3)

## Server Operating Systems—Installed on the Hosted Virtual Desktops

- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Microsoft Windows Server 2022

## Port Requirements

Cisco Jabber Softphone for VDI requires the same ports as Cisco Jabber does, and the following additional port range:

*Table 1: Port Usage*

Port Range	Description
16384–32767	UDP Inbound and outbound traffic for RTP (audio and video streams)  You can configure the Cisco Unified Communications Manager to reduce this port range. Change the <b>Start/Stop Media Port</b> setting in the SIP Profile, which is associated with the CSF device.

## Supported Codecs

### Supported Codecs

#### Audio Codecs:

- G.722
- G.722.1 (24 and 32k)  
G.722.1 is supported on Cisco Unified Communications Manager 8.6.1 or later.
- G.711 A-law
- G.711 u-law
- G.729a
- Opus  
Opus is supported on Cisco Unified Communications Manager 11.0 or later.

**Video Codec:** H.264/AVC

# Requirements—HP Thin Pro

## Citrix Workspace app or VMware Horizon Client—Installed on the Thin Clients

The HP Thin Pro image includes the required Citrix and VMware versions.

The Citrix Workspace app or VMware Horizon Client provides a user interface for the corresponding connection broker.

Published application mode and the scale to fit option are not supported.

## HP Thin Pro Thin Clients—Hardware

We recommend the following client hardware, which was tested with HP Thin Pro 6.2:

- HP t520
- HP t530
- HP t620
- HP t630
- HP t730
- HP mt21

We recommend the following client hardware, which was tested with HP Thin Pro 7.1 SP3.3:

- HP t430
- HP t520
- HP t530
- HP t630
- HP t730
- HP mt21

## HP ThinPro Platform Image

32-bit: HP ThinPro 6.2

64-bit: HP ThinPro 7.1 SP3.3 and 7.x versions

HP ThinPro 8.0



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**Important** Only the components, versions, and minimum hardware requirements listed in this guide are supported. Use of unsupported components can result in a nonfunctional deployment.

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# Requirements—MacOS

## Supported Operating Systems

Cisco Jabber Softphone for VDI 14.0 is supported on the following MacOS versions:

- Mojave (10.14)
- Catalina (10.15)
- Big Sur (11)
- Monterey (12)—As of 14.0.3
- Ventura (13)—As of 14.1.3

## Hardware Requirements

Requirement	Cisco Jabber for Mac
Installed RAM	2 GB RAM
Free physical memory	1 GB
Free disk space	300 MB
CPU speed and type	<p>Intel Core 2 Duo or later processors on any of the following Apple hardware:</p> <ul style="list-style-type: none"> <li>• iMac Pro</li> <li>• MacBook Pro</li> <li>• MacBook</li> <li>• MacBook Air</li> <li>• iMac</li> <li>• Mac Mini</li> </ul> <p>Cisco Jabber Softphone for VDI also supports Apple M1 &amp; M2 processors.</p>
I/O ports	USB 2.0 for USB camera and audio devices

## Citrix and VMware Requirements

This release Cisco Jabber Softphone for VDI for Mac OS works in Citrix and VMware VDI environments. You must install the latest Citrix Workspace client (not the Citrix Receiver client) or VMware Horizon client before you install the Cisco JVDI Client.

- Citrix Receiver 13.0 and later
- Citrix Workspace app 1808 and later
- VMware Horizon View Client versions 5.5, 8.0, or 8.1

The Citrix Workspace app or VMware Horizon Client provides a user interface for the corresponding connection broker.

Published application mode and the scale to fit option are not supported.

## Requirements—Ubuntu



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**Important** Only the components, versions, and minimum hardware requirements listed in this guide are supported. Use of unsupported components can result in a nonfunctional deployment.

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### Ubuntu Desktop Image

- Ubuntu 14.04 32b LTS (i386)
- Ubuntu 16.04 64b LTS (AMD64)
- Ubuntu 18.04 64b LTS (AMD64)
- Ubuntu 20.04 64b LTS (AMD64)



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**Note** The supported versions do not include Ubuntu Minimal.

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### Ubuntu Thin Clients—Hardware

The minimum hardware requirements for thin clients are as follows:

- Installed RAM 2 GB
- Free Physical Memory 1 GB
- Free Disk Space 256 MB
- CPU: AMD G-T56N 1.65GHz, or Intel Core2Duo T7500 2.2 GHz
- USB 2.0 for USB camera and audio devices

### Citrix Workspace app or VMware Horizon Client—Installed on the Thin Clients

- Citrix Receiver 13.0 and later
- Citrix Workspace app 1808 and later
- VMware Horizon View Client versions 4.x, 5.x, and 8.x

The Citrix Workspace app or VMware Horizon Client provides a user interface for the corresponding connection broker.

Published application mode and the scale to fit option are not supported.

# Requirements—Unicon eLux



**Important** Only the components, versions, and minimum hardware requirements listed in this guide are supported. Use of unsupported components can result in a nonfunctional deployment.

## Unicon eLux Platform Image

- 64-bit: Unicon eLux 6.5
- 64-bit: Unicon eLux 6.8
- 64-bit: Unicon eLux 6.9
- 64-bit: Unicon eLux RP6 LTSR 2302.2 (as of Release 14.1.4)
- Unicon eLux RP6 2302 LTSR CU 1 (as of Release 14.2)

The eLux packages are available from Unicon eLux. For assistance locating a download, contact eLux support.

## Unicon eLux Thin Clients—Hardware

The minimum hardware requirements for thin clients are:

- 1.6 GHz dual-core processor
- 2 GB RAM

We recommend the following client hardware, which was tested with eLux RP 5.7.0:

- HP T620 Dual Core / Quad Core
- HP T630 Dual Core / Quad Core
- HP T730
- Cisco VXC 6215
- Dell Wyse Z50D

## Citrix Workspace App or VMware Horizon Client—Installed on the Thin Clients

Unicon eLux includes the required Citrix and VMware versions.

The Citrix Workspace app or VMware Horizon Client provides a user interface for the corresponding connection broker.

Published application mode and the scale to fit option are not supported.

## Cisco Anyconnect (Optional)

vpnsystem V4.5-1

# Requirements—Windows



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**Important** Only the components, versions, and minimum hardware requirements listed in this guide are supported. Use of unsupported components can result in a nonfunctional deployment.

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## Microsoft Windows Thin Clients—Hardware

The minimum system requirements for thin clients are as follows:

- Installed RAM 2 GB
- Free Physical Memory 1 GB
- Free Disk Space 256 MB
- CPU Mobile AMD Sempron Processor 3600+, 2-GHz Intel Core 2 CPU, or T7400 2.16 GHz
- DirectX 11 compatible GPU
- USB 2.0 for USB camera and audio devices

## Microsoft Windows—Installed on the Thin Clients

- Microsoft Windows 8.1 32-bit
- Microsoft Windows 8.1 64-bit
- Microsoft Windows 10 32-bit
- Microsoft Windows 10 64-bit
- Microsoft Windows 11 64-bit



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**Note** Cisco Jabber Softphone for VDI for Windows does not require the Microsoft .NET Framework or any Java modules.

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## Windows Embedded Standard Thin Clients—Hardware

The minimum system requirements for thin clients are as follows:

- Installed RAM 2 GB
- Free Physical Memory 1 GB
- Free Disk Space 256 MB
- CPU performance affects the maximum video resolution. With Windows Embedded Standard thin clients, the expected resolution depends on the CPU:
  - Up to 720p with quad-core AMD GX-420CA SOC 2 GHz or similar



- Up to 240p with dual-core AMD G-T56N 1.65 GHz or similar
- Audio-only support with dual-core VIA Eden X2 U4200 1 GHz or similar CPU



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**Note** These hardware specifications are only guidelines for the expected resolutions. Other factors can affect video resolution.

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- DirectX 11 compatible GPU
- USB 2.0 for USB camera and audio devices

### **Windows Embedded Standard—Installed on the Thin Clients**

- Windows Embedded Standard 8 64-bit  
Requires Update for Windows Embedded Standard 8 for 64-bit Systems (KB4019990)
- Windows 10 IoT Enterprise

### **Citrix Workspace App or VMware Horizon Client—Installed on the Thin Clients**

- Citrix Receiver (ICA) for Windows 4.4 and later
- Citrix Workspace App (ICA) for Windows 1808 and later



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**Important** Cisco Jabber Softphone for VDI does not support Citrix Workspace App downloaded from the Microsoft Store.

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- VMware Horizon Client for Windows 4.1.0 and later  
(Versions 4.3 and 4.4 are not supported.)

The Citrix Workspace app or VMware Horizon Client provides a user interface for the corresponding connection broker.



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**Important** Before you install the Cisco JVDI Client, install the Citrix Receiver or VMware Horizon Client on the thin client.

If you change from a Citrix environment to a VMware environment (or from VMware to Citrix), reinstall the Cisco JVDI Client.

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Cisco Jabber Softphone for VDI supports full-screen and windowed display for Windows and Linux thin clients in both VMWare and Citrix VDI environments.

# Version Support Strategy

- The Cisco Jabber for Windows and Cisco JVDI Agent major versions (N.A) must always match. However, the JVDI Client version can be the same, or up to two releases earlier (N-2 support).



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**Note** N.A-C denotes the range of major releases. x-z denotes the numbers of different maintenance releases. These numbers are used for example purposes only.

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For example, the following version combinations are supported within a release range:

- Cisco Jabber for Windows Release N.A(x), Cisco JVDI Agent Release N.A(y), and Cisco JVDI Client Release N.A(z)
- Cisco Jabber for Windows Release N.A(x), Cisco JVDI Agent Release N.A(y), and Cisco JVDI Client Release N.B(z)
- Cisco Jabber for Windows Release N.A(x), Cisco JVDI Agent Release N.A(y), and Cisco JVDI Client Release N.C(z)



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**Note** The above examples cover the supported range within a single major release. For a major release that starts at a new release number (for example, 14.0), the JVDI client is also supported on the two previous releases (for example, 12.9 and 12.8).

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The following version combinations are not supported within a release range:

- Cisco Jabber for Windows Release N.A(x), Cisco JVDI Agent Release N.A(y), and Cisco JVDI Client Release N.D(z)
- Cisco Jabber for Windows Release N.A(x), Cisco JVDI Agent Release N.B(y), and Cisco JVDI Client Release N.C(z)