

# Webex for Linux

User Experience

Native Webex client for Linux  
BETA

*Webex Beta Team  
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## Legal Stuff

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# Webex client for Linux

- Scope – what is, and what isn't supported right now
- Install and Run
- User experience and Feedback
- Known Issues and Limitations
- Community resources

## Supported Distros at this time (more to be supported in the future):

- Ubuntu 18.04 and 20.04
- RHEL/CentOs 8.2

## What is supported in the initial release:

With the first Beta version, users will be able to message, do 1:1 calls, and join meetings from the app.

Following are the features supported:

- Create space/teams for collaboration
- Read/Post messages
- Start/join a 1:1 call with your co-workers to quickly connect
- Join meetings

## What is NOT supported in the initial release:

The following features are not supported in this Beta version but will be supported in the upcoming monthly updates.

- ECM file share
- Whiteboarding in spaces or calls
- Share screen in the app
- Schedule meetings
- Embedded apps

# Install and Run

- Getting the Webex Client:

For external testing, installer builds will be provided in the space

- Version history:

- 41.4.0.18172 (released March 5, 2021)

- 41.4.0.19005 (released Feb 3, 2021)

- 41.2.0.19001 (released Dec 21, 2021)

We directly provide installers for pre-tested versions on Cisco Box at the moment, while working on an equivalent distribution mechanism to the existing Desktop clients.

# Install and Run – Ubuntu (DEB)

- In a terminal do: `sudo apt-get install ./Webex.deb`
- We install to: `/opt/Webex`

```
eddie@T540p-2: ~/Downloads
File Edit View Search Terminal Help
eddie@T540p-2:~$ cd Downloads/
eddie@T540p-2:~/Downloads$ ls
Webex.deb
eddie@T540p-2:~/Downloads$ sudo apt-get install ./Webex.deb
[sudo] password for eddie:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'webex' instead of './Webex.deb'
The following packages were automatically installed and are no longer required:
  efibootmgr gir1.2-geocodeglib-1.0 libfwup1 ubuntu-web-launchers
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libc-dev-bin libc6-dev libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev
  linux-libc-dev manpages-dev
Suggested packages:
  glibc-doc
The following NEW packages will be installed:
  libc-dev-bin libc6-dev libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev
  linux-libc-dev manpages-dev webex
0 upgraded, 8 newly installed, 0 to remove and 16 not upgraded.
Need to get 6,125 kB/194 MB of archives.
After this operation, 521 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
```

```
eddie@T540p-2: /opt/Webex
File Edit View Search Terminal Help
Unpacking libjpeg8-dev:amd64 (8c-2ubuntu8) ...
Selecting previously unselected package libjpeg-dev:amd64.
Preparing to unpack ../6-libjpeg-dev_8c-2ubuntu8_amd64.deb ...
Unpacking libjpeg-dev:amd64 (8c-2ubuntu8) ...
Selecting previously unselected package manpages-dev.
Preparing to unpack ../7-manpages-dev_4.15-1_all.deb ...
Unpacking manpages-dev (4.15-1) ...
Selecting previously unselected package webex.
Preparing to unpack ../8-Webex.deb ...
Unpacking webex (41.2.0.19000) ...
Setting up libc6-dbg:amd64 (2.27-3ubuntu1.3) ...
Setting up linux-libc-dev:amd64 (4.15.0-126.129) ...
Setting up libjpeg-turbo8:amd64 (1.5.2-0ubuntu5.18.04.4) ...
Setting up libc-dev-bin (2.27-3ubuntu1.3) ...
Setting up manpages-dev (4.15-1) ...
Setting up libc6-dev:amd64 (2.27-3ubuntu1.3) ...
Setting up libjpeg-turbo8-dev:amd64 (1.5.2-0ubuntu5.18.04.4) ...
Setting up libjpeg8-dev:amd64 (8c-2ubuntu8) ...
Setting up libjpeg-dev:amd64 (8c-2ubuntu8) ...
Setting up webex (41.2.0.19000) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
eddie@T540p-2:~/Downloads$ cd /opt/Webex/
eddie@T540p-2:/opt/Webex$ ./Webex
```

- Launch with the CiscoCollabHost executable in: `/opt/Webex/bin`
- The user's cache (**database** and **logs**) are in: `~/ .local/share/Webex/`
- To remove run: `sudo apt-get remove webex`

# Install and Run – CentOS (RPM)

- In a terminal do: `sudo yum localinstall Webex.rpm`
- We install to: `/opt/Webex`

```
epetkov@localhost:~/Downloads
File Edit View Search Terminal Help
[epetkov@localhost ~]$ cd Downloads/
[epetkov@localhost Downloads]$ sudo yum localinstall Webex.rpm
```

```
epetkov@localhost:/opt/Webex
File Edit View Search Terminal Help
Installing      : xcb-util-keysyms-0.4.0-7.el8.x86_64      3/6
Running scriptlet: xcb-util-keysyms-0.4.0-7.el8.x86_64      3/6
Installing      : xcb-util-image-0.4.0-9.el8.x86_64      4/6
Running scriptlet: xcb-util-image-0.4.0-9.el8.x86_64      4/6
Installing      : libXScrnSaver-1.2.3-1.el8.x86_64      5/6
Running scriptlet: webex-41.2.0.19000-1.x86_64      6/6
Installing      : webex-41.2.0.19000-1.x86_64      6/6
Running scriptlet: webex-41.2.0.19000-1.x86_64      6/6
Verifying       : libXScrnSaver-1.2.3-1.el8.x86_64      1/6
Verifying       : xcb-util-image-0.4.0-9.el8.x86_64      2/6
Verifying       : xcb-util-keysyms-0.4.0-7.el8.x86_64      3/6
Verifying       : xcb-util-renderutil-0.3.9-10.el8.x86_64  4/6
Verifying       : xcb-util-wm-0.4.1-12.el8.x86_64      5/6
Verifying       : webex-41.2.0.19000-1.x86_64      6/6
Installed products updated.

Installed:
libXScrnSaver-1.2.3-1.el8.x86_64      webex-41.2.0.19000-1.x86_64
xcb-util-image-0.4.0-9.el8.x86_64    xcb-util-keysyms-0.4.0-7.el8.x86_64
xcb-util-renderutil-0.3.9-10.el8.x86_64  xcb-util-wm-0.4.1-12.el8.x86_64

Complete!
[epetkov@localhost Downloads]$ cd /opt/Webex/
[epetkov@localhost Webex]$ ./Webex
```

- Launch with the CiscoCollabHost executable in: `/opt/Webex/bin`
- The user's cache (**database** and **logs**) are in: `~/ .local/share/Webex/`
- To remove run: `sudo apt-get remove webex`

# User Experience and Feedback

- The user experience is similar to what Windows and Mac desktop clients provide today.
- Feedback and Troubleshooting
  - Logs and feedback: Logs can be sent by selecting `Help→Send Logs` in the client.
- The user's cache (**database** and **logs**) are in: `~/ .local/share/Webex/`
- Spaces
  - Feedback is welcome in the trial space(s)



# Known Issues and backlog

- *(Installer dependency) Fail to launch on Debian Wayland [SPARK-197072] Workaround: Use X11 session*
- *(App) Render corrupted on Resume/Screen unlock [SPARK-195176]. Workaround: If multi-monitor, move between monitors. Otherwise restart*
- *(App) Proxies not implemented yet. WIP [SPARK-197503]*
- *(App) SSO problems with ADFS/SAML and user-agent string. [SPARK-208576]*
- *(App) Crash when clicking About menu when not signed in. WIP [SPARK-188940]*
- *(Messaging) ECM not implemented yet. [SPARK-182717]*
- *(Messaging) Text alignment issues in Search and EULA screen. [SPARK-190254]*
- *(Messaging) System font size not reflected (small fonts). [SPARK-197494]*
- *(Messaging) Occasional white screen in messaging area. [SPARK-198476] Workaround: restart client*
- *(Messaging) Search results cover the Contact Card. [SPARK-213945]*
- *(Meetings) Screen share not supported on Wayland. [SPARK-186176] Workaround: use X11 session*
- *(Meetings) App share not implemented yet. [SPARK-186176] Workaround: use screen share for now*
- *(Meetings) Virtual Background not implemented yet.*
- *(Meetings) CUCM Calling not implemented yet. [SPARK-205745]*
- *(Meetings) Can't turn video back on if it's toggled off. WIP [SPARK-215116]*
- *(Meetings) Crash when adding monitor during screen share. [SPARK-215476]*
- *(Meetings) Occasional black border flickering in the call window (CentOS). [SPARK-215456]*
- *(Meetings) Duplicate active speakers on Call view. [SPARK-215209]*
- *(Meetings) "Cancel" button string is truncated. [SPARK-215182]*
- *(Meetings) Share button not removed while receiving a share on Wayland. [SPARK-215890]*
- *(Meetings) Share button sometimes unresponsive. [SPARK-215892]*
- *(Meetings) Notification toasts show on the wrong monitor. [SPARK-215902]*
- *(Devices) Static on line when using an external mic. [SPARK-208586] Workaround: Disable noise/echo cancellation on microphone or in Pulse settings.*

## Next Steps

- Your participation is key for Beta engagement and a successful release
- Ensure the focus of discussions and feedback is on experience and insights
- Appropriate use of internal and external spaces
- MUBTA as needed
- Thank you

# Contacts

- Product Owners
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- EFT Team Members
  - Eddie Petkov
  - Colin Walsh



## Setting Up a Linux Machine Virtual Machine

- Download VirtualBox: <https://www.virtualbox.org/>
- Download Ubuntu 20.04 image: <https://releases.ubuntu.com/20.04/>
- Run the VirtualBox installer and accept the defaults.
- Install Ubuntu on the VirtualBox: <https://itsfoss.com/install-linux-in-virtualbox/>
- (Optional, but recommended) For full screen display install VirtualBox Guest Additions: <https://www.tecmint.com/install-virtualbox-guest-additions-in-ubuntu/>

For more detailed instructions and guides for other distros see here: [Building the Linux Client](#)

## Native

If you don't already have Linux on your machine you can:

- Re-image the machine (all data will be lost)
- Use Full Disk Encryption when installing Ubuntu: <https://releases.ubuntu.com/20.04/>
- (INTERNAL) Modify the installation to follow CTD policies: [About Cisco Trusted Devices \(CTD\)](#) (this script should help: <https://www.in-github.cisco.com/cilp-it/conversion-scripts/tree/master/ubuntu>)

You can visit the Linux Enthusiasts space for further discussion and community support regarding Linux installation: <https://eurl.io/#SkeKDrrqE>