



# Parallels Desktop for ChromeOS

Enterprise and Education Edition

## Quick Start Guide

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# C H A P T E R 1

## Introduction

**Congratulations on your HP Device that has an activated version of Parallels included!**

Welcome to Parallels® Desktop for ChromeOS Enterprise and Education Edition, the world's first and only third-party virtualization solution designed for and approved by Google to run Windows on a ChromeOS device, including full-featured applications such as Microsoft Office—even offline!

This Quick Start Guide walks you through the basic steps necessary to deploy Parallels Desktop for ChromeOS and run Windows applications on Chromebooks in your organization. Our Quick Start Guide will point you to where your Parallels license resides in the Google Admin console and how to prepare and deploy a Windows image. We also include our contact information where you can reach out to Parallels and arrange a technical discussion on any questions you may have on your deployment or set up a technical demonstration for your team.

For a more in-depth guide, visit <https://www.parallels.com/products/desktop/chrome/resources/>.



## System requirements

Before you start, ensure that your device meets the minimum hardware and software requirements listed below.

**Note:** To provide Windows applications to devices that don't meet the current hardware requirements, please consider our [Parallels RAS](#) solution.

### Recommended Devices

- HP Elite Dragonfly Chromebook Enterprise
- HP Elite c640 G3 Chromebook Enterprise
- HP Elite c645 G2 Chromebook Enterprise
- HP Pro c640 G2 Chromebook Enterprise
- HP Chromebox G3 Enterprise

### Hardware requirements

#### Processor

- An 8<sup>th</sup> Gen or newer Intel Core™ i5/i7
- An 11<sup>th</sup> Gen or newer Intel Core™ i3/i5/i7 (Recommended)
- An AMD Ryzen™ 3000 Series Ryzen™ 5/7
- An AMD Ryzen™ 5000 Series Ryzen™ 3/5/7 (Recommended)
- 

#### Memory

- A minimum of 8 GB of RAM

#### Storage

- A minimum of 128 GB of internal storage

## Software requirements

### Google Admin console

The Google Admin console is used to set up organizational units, users, and to configure properties related to Parallels Desktop for ChromeOS. To perform these tasks, you must be a super admin or an admin with sufficient privileges in the Google Admin console.

### Enterprise Licenses

Chrome Enterprise Upgrade or Chrome Education Upgrade licenses are required and can be acquired either with Chrome Enterprise devices or separately. For more information, please see <https://support.google.com/chrome/a/answer/1289314>.

### Parallels Desktop for ChromeOS Licenses

1-year included with your new HP Enterprise Chromebook/Chromebox

### Microsoft Windows

A Microsoft Windows ISO image and a Windows license are required.

# Enroll ChromeOS Devices

Before a user signs into a ChromeOS device, the device must be enrolled as a managed device. This also applies to the admin's ChromeOS device, which will be used to create a Parallels Desktop for ChromeOS Windows image.

For information about enrolling a ChromeOS device, please see the following Google article: <https://support.google.com/chrome/a/answer/1360534>.

At the login screen, when it asks you for your email address, choose **Enterprise Enrollment** in the lower left corner of the screen, or press **CTRL + ALT + E**, and sign in with your domain's email address twice (once to enroll the device and a second time to add your user).

# Enable Parallels Desktop for ChromeOS Licenses

To perform the steps described in this chapter, you must be an administrator with sufficient privileges in the Google Admin console. For instructions on how to create an admin user, please see the following Google articles:

- <https://support.google.com/a/answer/33310>
- <https://support.google.com/a/answer/172176>

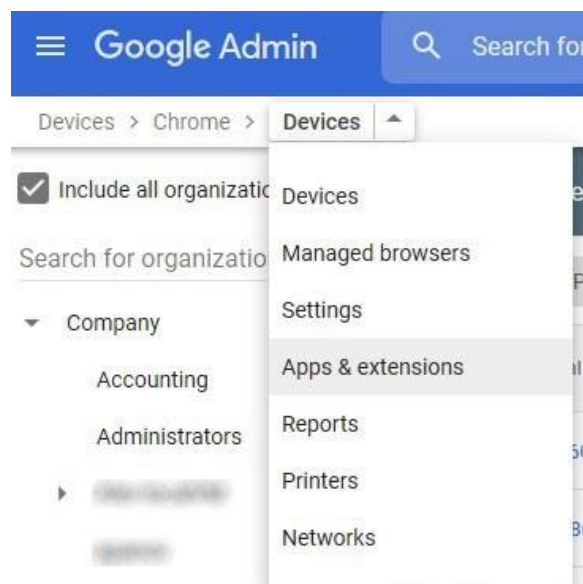
## Enable Parallels Desktop for ChromeOS licenses for users

To enable Parallels Desktop for ChromeOS licenses for specific users, you need to turn on the licenses for an organizational unit or user group and then add user accounts to the unit or group. For more information about organizational units and groups, please see the following Google articles:

- <https://support.google.com/a/answer/182537>
- <https://support.google.com/a/answer/33329>

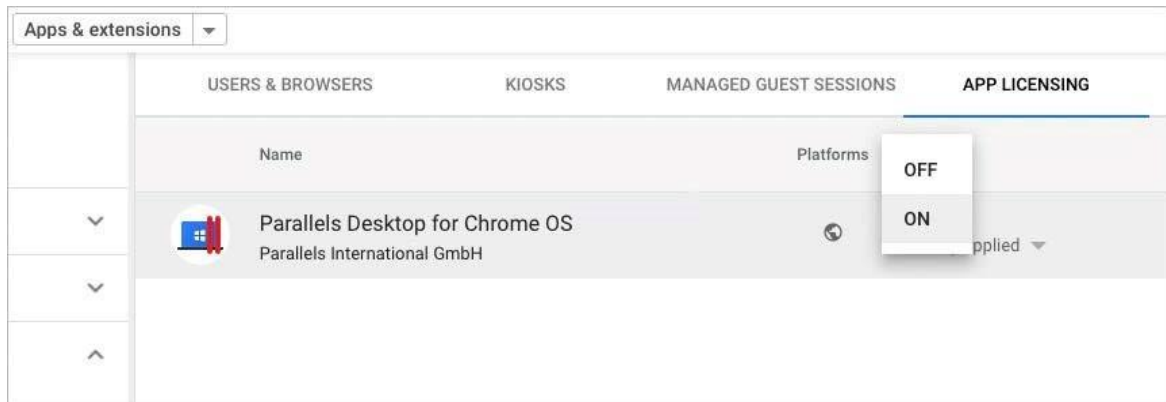
To turn on Parallels Desktop for ChromeOS licenses for an organizational unit or user group:

- 1 In the Google Admin console, navigate to **Devices > Chrome devices**.





- 2 In the drop-down menu near the top of the page, select **Apps & extensions**.
- 3 Select the **App Licensing** tab. You should see the **Parallels Desktop for ChromeOS** app in the list.
- 4 In the pane on the left, select the organizational unit or user group to which your ChromeOS users belong.



- 5 In the **License** column (right pane), select **ON** from the drop-down menu.
- 6 Click **Save** when prompted.

## Create a Windows image

The next step is to set up a Windows OS image for Parallels Desktop for ChromeOS and install Parallels Tools.

### Download Windows ISO

First, you need to download a Windows ISO disk image to your ChromeOS device. Windows 10 is available for download from the following location: <https://www.microsoft.com/en-us/software-download/windows10>. Windows 11 ISO is available from: <https://www.microsoft.com/software-download/windows11>

Download the image to the **Downloads** folder in ChromeOS.

**Note:** Do not create subfolders, the image must reside in the root **Downloads** folder.

To create a Parallels Desktop for ChromeOS Windows image, open the Chrome browser and press **CTRL + ALT + T** to open the **CROSH** terminal. In the terminal, type the following command:

```
vmc create -p PvmDefault <filename.iso>
```

where

- **PvmDefault** is the default image name. Type it as it appears here. This is the only name that ChromeOS will recognize as valid by default.
- **<filename.iso>** is the name of the Windows ISO disk image file. This must be just the file name with no path. The file must reside in the root **Downloads** folder.

**Tip:** To avoid errors, rename the ISO file to something shorter, all lowercase, like **win10.iso**.

For example:

```
vmc create -p PvmDefault Win10_English_x64.iso
```

```
vmc create -p PvmDefault win10.iso
```

**Warning:** These commands are case sensitive.

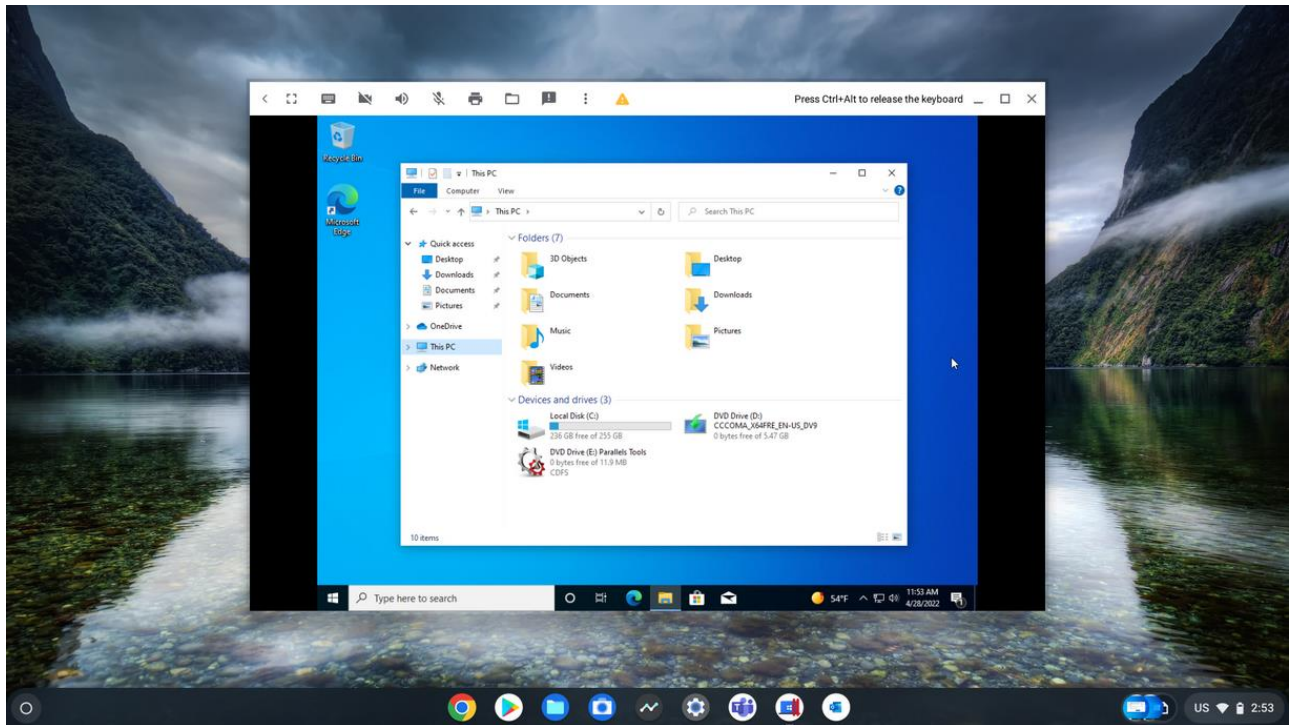
Wait until the execution is complete. A message displays when the command has executed successfully.

You can now start Parallels Desktop for ChromeOS by either typing **vmc start PvmDefault** on **CROSH** or by opening the Parallels Desktop application from a ChromeOS Launcher.

## Install Parallels Tools

Parallels Tools is a collection of drivers and utilities that are installed on Windows to allow seamless operation between Windows OS and ChromeOS.

To install Parallels Tools, either execute the **Autorun.exe** in the virtual CD drive, or click the yellow triangle on the upper bar of the Parallels windows and follow instructions.



## Support

For questions, suggestions and support, feel free to reach out at [pdchrome@parallels.com](mailto:pdchrome@parallels.com)