



# Parallels Desktop for ChromeOS

Enterprise and Education Edition

## Quick Start Guide

Parallels International GmbH  
Vordergasse 59  
8200 Schaffhausen Switzerland  
[www.parallels.com](http://www.parallels.com)

© 2022 Parallels International GmbH. All rights reserved. Parallels and the Parallels logo are trademarks or registered trademarks of Parallels International GmbH in Canada, the U.S., and/or elsewhere. Google, Chrome, ChromeOS, and Chromebook are trademarks of Google LLC. AMD Ryzen is a trademark of Advanced Micro Devices, Inc.

All other company, product and service names, logos, brands and any registered or unregistered trademarks mentioned are used for identification purposes only and remain the exclusive property of their respective owners. Use of any brands, names, logos or any other information, imagery or materials pertaining to a third party does not imply endorsement. We disclaim any proprietary interest in such third-party information, imagery, materials, marks and names of others. For all notices and information about patents please visit <https://www.parallels.com/about/legal/>.

# Contents

<b>Introduction</b> .....	<b>1</b>
<b>System requirements</b> .....	<b>2</b>
Hardware requirements.....	2
Software requirements .....	2
<b>Enroll ChromeOS Devices</b> .....	<b>4</b>
<b>Redeem and Enable Parallels Desktop for ChromeOS Licenses</b> .....	<b>5</b>
Redeem Parallels Desktop for ChromeOS licenses.....	5
Enable Parallels Desktop for ChromeOS licenses for users .....	5
<b>Create a Windows image</b> .....	<b>7</b>
Download Windows ISO .....	7
Install Parallels Tools.....	7

# CHAPTER 1

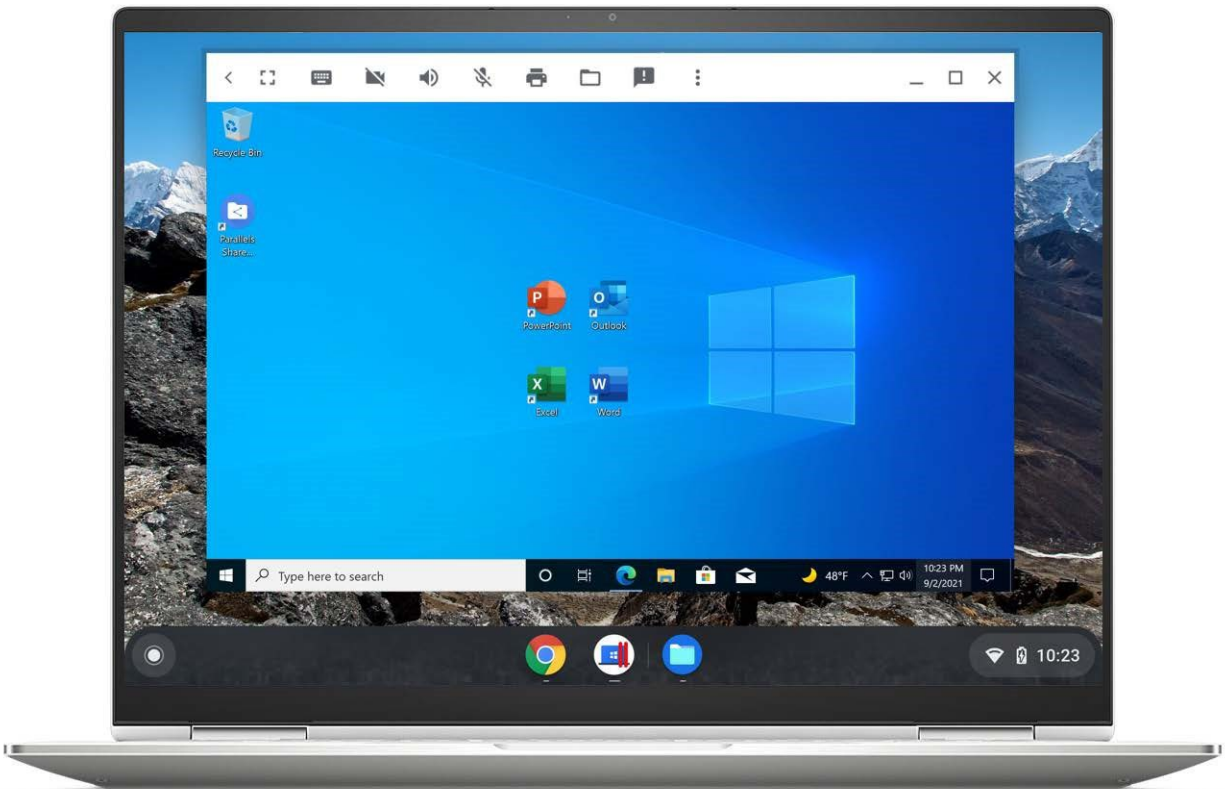
## Introduction

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 enable Parallels Desktop for ChromeOS and run Windows applications on Chromebooks in your organization.

For a more in-depth guide, visit

<https://www.parallels.com/products/desktop/chrome/resources/>.



## CHAPTER 2

# System requirements

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

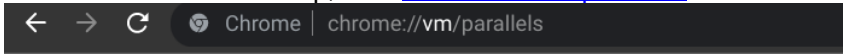
**Note:** To provide Windows applications to users that don't meet the current hardware requirements, please consider [Parallels RAS](#).

## Hardware requirements

### Compatible board

Ensure that your board is compatible by checking the following sources:

- On ChromeOS 91 and up, visit <chrome://vm/parallels> and ensure the device is supported.



### Parallels Desktop status

Requirement	Status	Explanation
Device is supported	Pass	

- On ChromeOS 90 and lower, ensure your device is on our list of [Supported Devices](#).

### 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.
- An AMD Ryzen 3000 Series (Zen 2 based) Ryzen 5/7.
- An AMD Ryzen 5000 Series (Zen 3 based) Ryzen 3/5/7.

### Memory

- A minimum of 8 GB of RAM.

### Storage

- A minimum of 128 GB of internal storage.

## Software requirements

### ChromeOS version

ChromeOS version 85 or later is required. See the following Knowledge Base (KB) article for more info: <https://kb.parallels.com/125192>.

## 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

Parallels Desktop for ChromeOS licenses can be acquired through third-party resellers or you can request a trial license directly by visiting the [Parallels Desktop for ChromeOS](#) home page.

## 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>.

**Note:** If a user signs in before the device is enrolled as a managed device, you need to [wipe the device](#) and restart enrollment.

**Tip:** An easier, faster way to wipe the device is to press **CTRL + ALT + SHIFT + R** at the login screen and in the Reset this Chrome device window, click the **Powerwash** button. After the device reboots, continue the enrollment process.

At the login screen, when it asks you for your email address, choose **Enterprise Enrolment** 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).

## Redeem and 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:

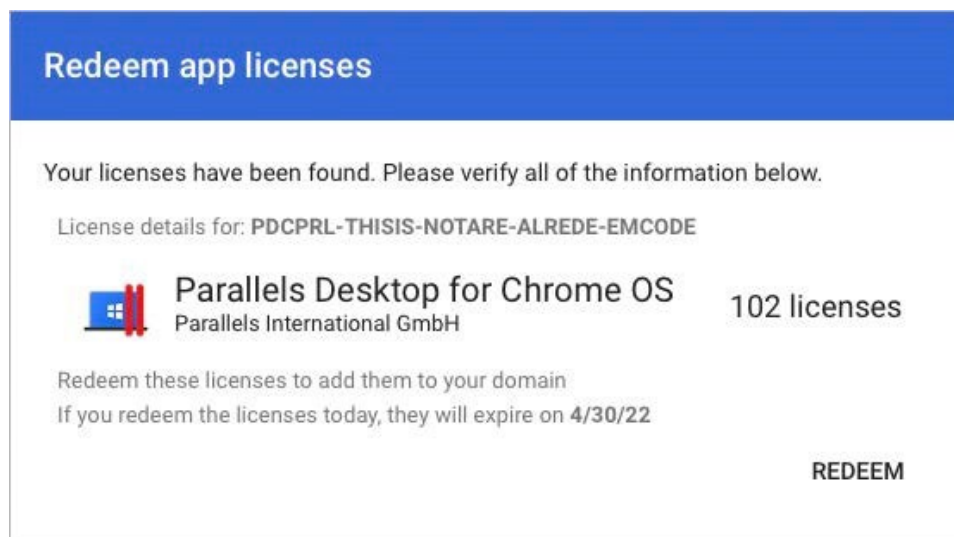
- <https://support.google.com/a/answer/33310>
- <https://support.google.com/a/answer/172176>

### Redeem Parallels Desktop for ChromeOS licenses

To redeem Parallels Desktop for ChromeOS licenses in the Google Admin console, you need to use a link (URL) that you received from your Parallels Desktop for ChromeOS reseller. The link looks similar to the following:

`https://admin.google.com/ac/chrome/apps/licenses?redeem=P  
DCXXX-XXXXXX-XXXXXX-XXXXXXXXXXXX`

When you open the link in a web browser, it will take you to a page in the Google Admin console where you can redeem the licenses.



Review the information about your licenses and click **Redeem**. The licenses are added to your domain and you can see them on the [App Licensing](#) page. For the information about monitoring and managing your app licenses, visit the Google support page: <https://support.google.com/chrome/a/answer/9681911>.

### 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

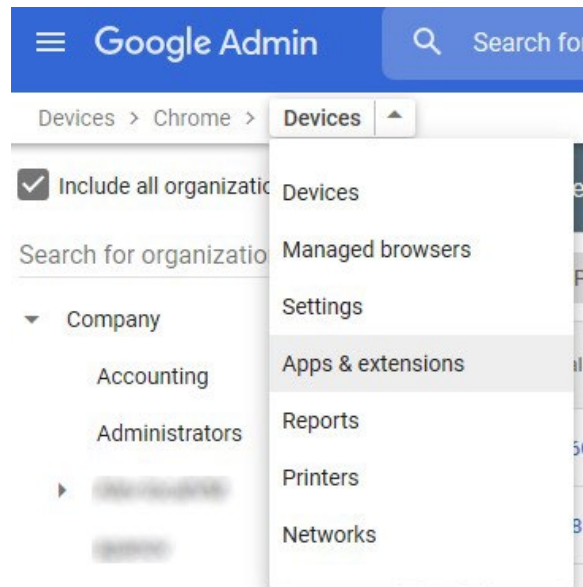


group. For more information about organizational units and groups, please see the following Google articles:

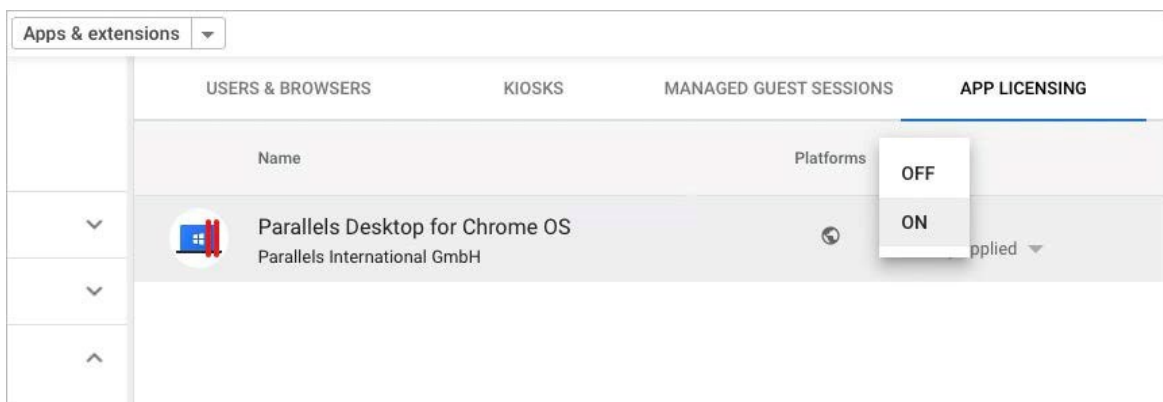
- <https://support.google.com/a/answer/182537>
- <https://support.google.com/a/answer/33329>

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.