

impero education pro

Impero Education Pro
ChromeOS Install Guide
March 2018

EXTERNAL



Table of Contents

Introduction	3
Download Links and Chrome Store ID's	3
Google management deployment	4
Impero Server Bookmark	8
Task Manager	9
Incognito Mode	9
Screenshot	10
Guest Mode	10
Manual Install on Chromebook	11
Manual Bookmark Setup	12
Pin Group Guide	13

Introduction

This document will take you through various ways in which to configure your Impero software on a google Chromebook device.

Please follow the instructions below for downloads links as well as deployment methods to assist with completing this.

Download Links and Chrome Store ID's

Please contact the Impero Support team on

+44 (0) 1509 611341 **UK**

www.imperosoftware.co.uk

877-883-4370 **USA**

www.imperosoftware.com

A member of the team will be able to provide you with the download links for our latest release of Impero Education Pro's Chrome Application and extension.

Google management deployment

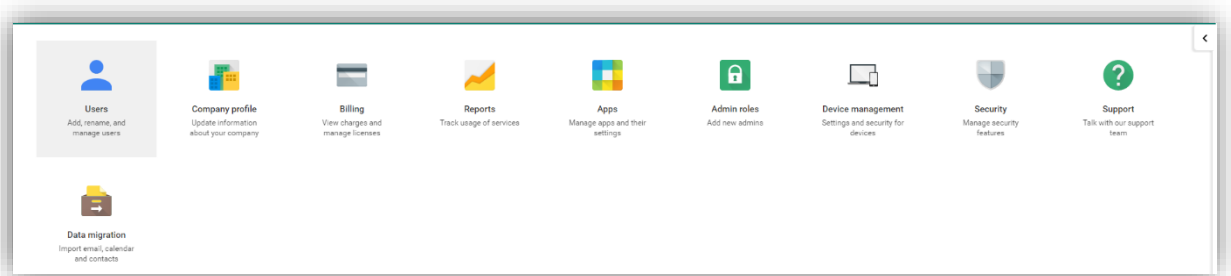
Deploying the Impero software client application and extension to your Chromebooks via the google management console could not be easier.

First off, navigate to your google admin console and log in with your user credentials.

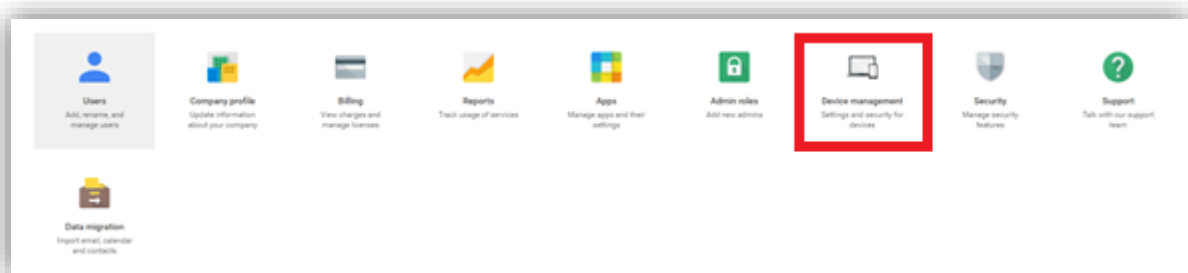
Goole Admin console:

<https://admin.google.com/>

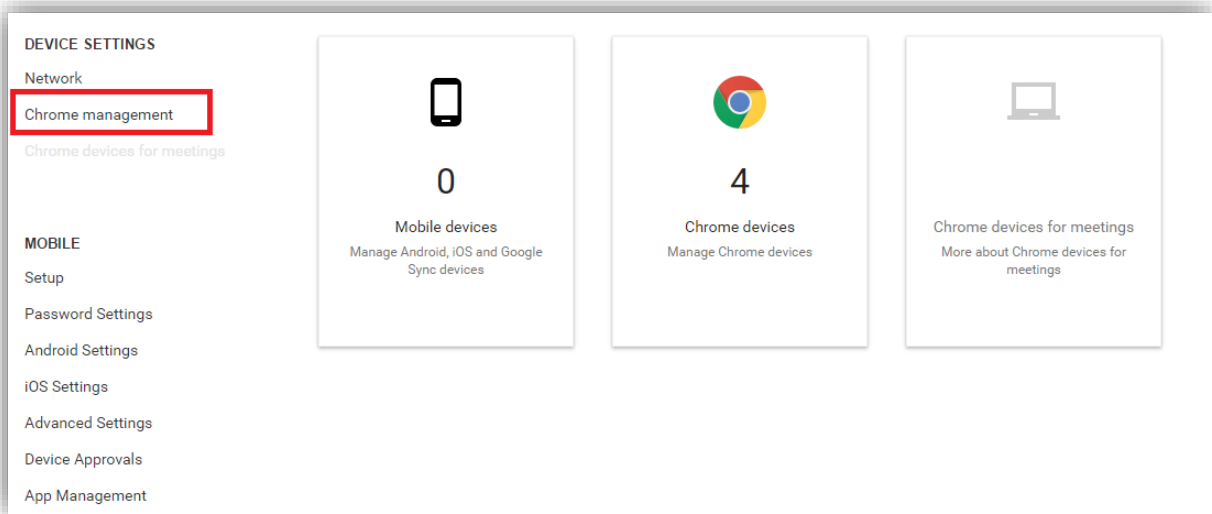
This will take you to the main page of you google administration console (See Below).



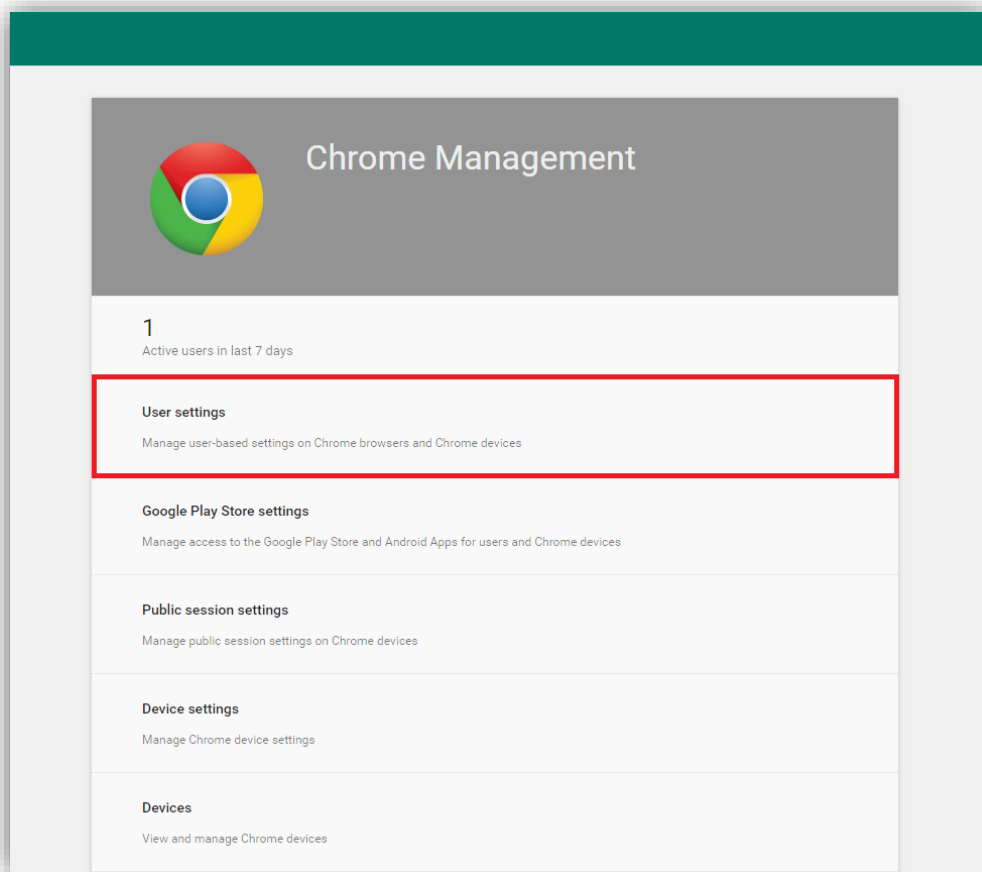
From here, you will need to navigate to the device management section. (Highlighted in red below)



Now you will need to navigate to the chrome management section under device settings on the left hand side of the screen. (See Below)



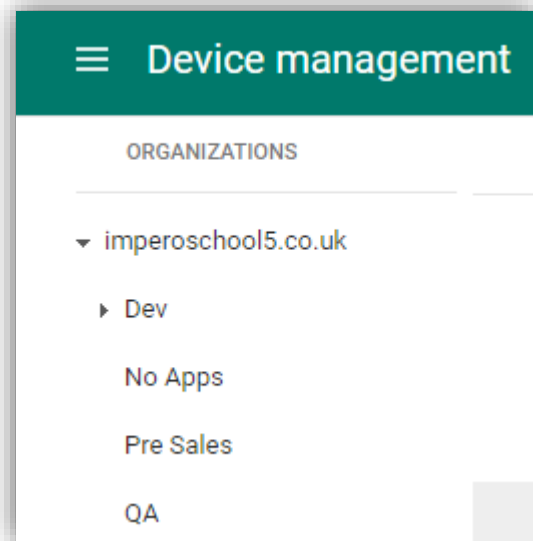
Once on the next page, finally navigate to the **user settings** menu below.



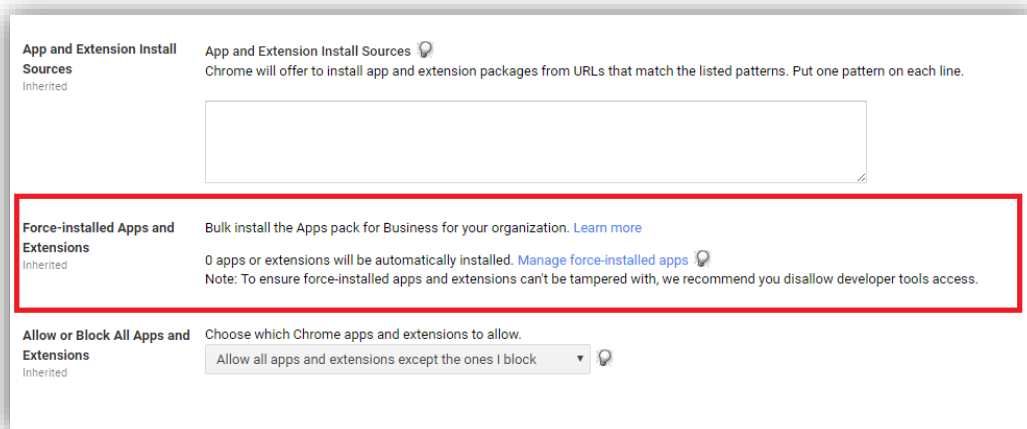
Next, you will need to select the user group to which you wish to deploy the Impero Application and extension.

Please note: Impero can only be deployed to Chromebook's via users and **NOT** by machine.

On the example to the right, we are going to push out from the top organisational unit. In this case "imperoschool5.co.uk". By conducting it from this OU any sub OU's will also inherit any changes we make with regards to adding the files.



Scroll down the page until you see the category entitled **“Force-installed Apps and Extensions”**. From here slightly over to the right in blue text you will see **“Manage-force installed apps”** (*highlighted below*) Select this to open up your

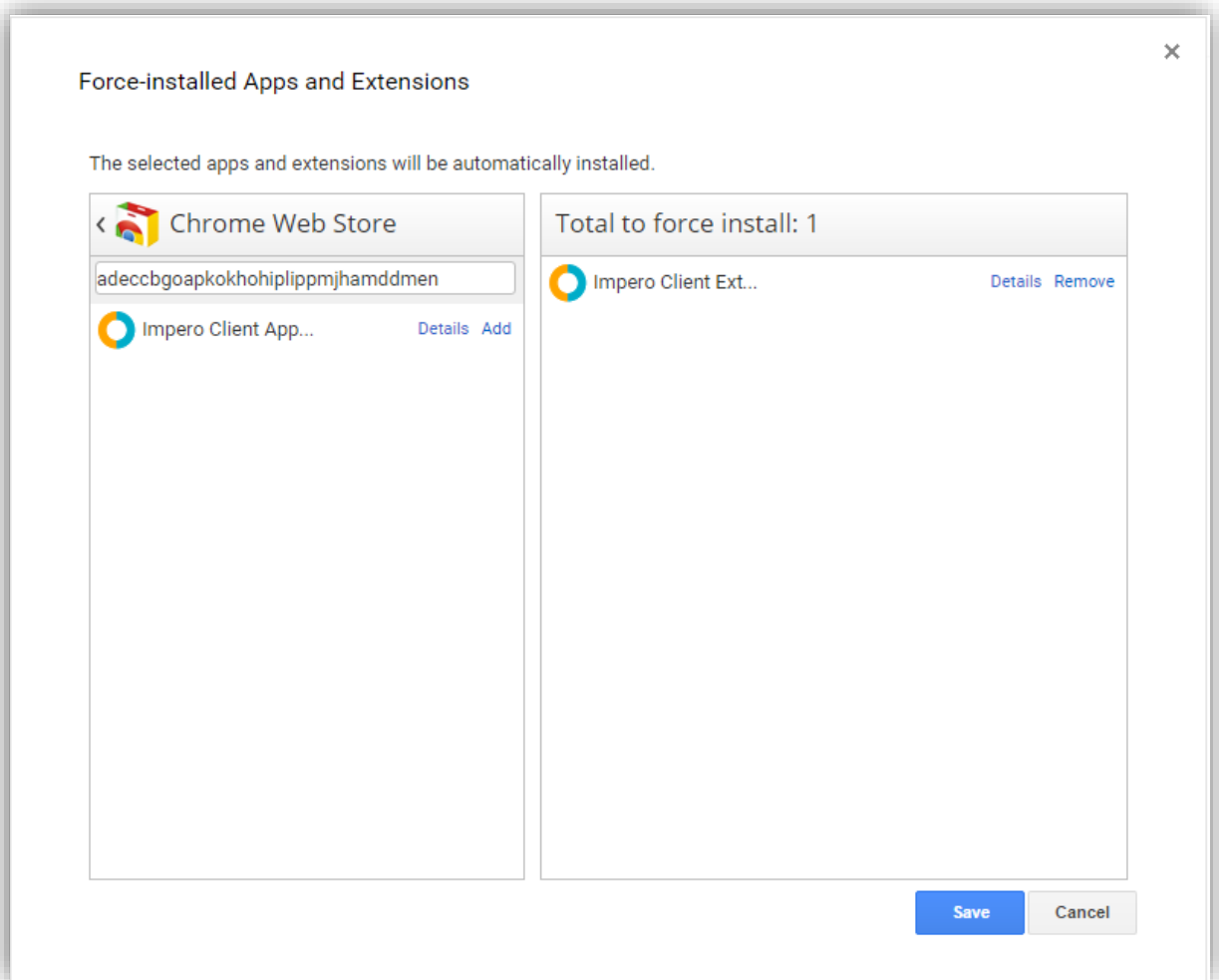


deployment menu.

This will open up a menu similar to the one shown here. You may see some of your already installed applications on the right hand side also.

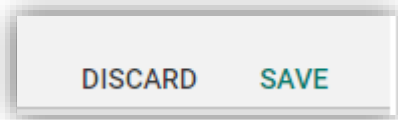
Select the **“Chrome Web Store”** Category in the menu on the left hand side. This should hide the other options and present you with a search box underneath the title. Use this search box to input the **Chrome store Id's** presented at the top of this article to locate the correct application and extension for your Impero product and select **add**.

Please note: Both application and extension is required for Impero to function.



Once both Application and extension are added to the list on the right hand side, select save at the bottom of the dialogue box.

Back on the main google admin console page you will also need to select save at the bottom of the page on the right hand side to finalise the change you have made.



Impero Server Bookmark

For Impero to be able to establish a connection with your Impero server host, a managed bookmark must be created to instruct the Chromebook to where it needs to communicate.

With a managed bookmark, student cannot edit this bookmark so there is no need to worry about them changing this!

Simply scroll down towards the bottom of your google administration console and located the section entitled “Managed Bookmarks”

From here, you want to create a bookmark under criteria similar to below.

In the URL section, you will need to place the IPv4 address of your Impero server-hosting machine, followed by naming this “Impero Server”.

Finally complete this task by selecting the “+” Icon to add this to your console followed by clicking save on the bottom right hand side of your screen.

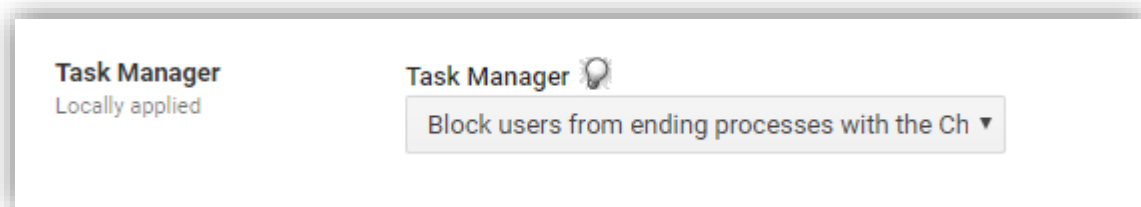
(See below)

The screenshot shows the 'Managed Bookmarks' section in the Google Admin console. At the top, there is a text input field for 'Managed Bookmarks Folder Name'. Below this is a table with two columns: 'URL' and 'Name'. The 'URL' column contains the IP address '10.0.15.222' and the 'Name' column contains 'Impero Server'. Below the table, there are two input fields: one for the URL (containing 'www.example.com') and one for the name (containing 'Name').

Please Note: Ensure your Impero Server hosting machine has a statically assigned IP address when setting up your Chromebooks to utilise Impero. Otherwise, this bookmark may need changing regularly if a dynamic address is assigned.

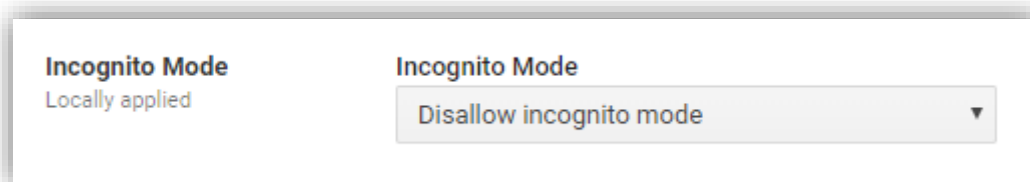
Task Manager

Task Manager in ChromeOS can be used to view what processes are running on your device. Just like Windows Task Manager it can also be used to end/terminate the processes you have running on a device. It is highly recommended that you disable access to Task Manager for users to prevent them from stopping Impero Education Pro and any other applications you have installed. Impero Education Pro has been designed to automatically launch again if the process has been terminated but it is still recommended to disable Task Manager to prevent gaps in Monitoring and logging.



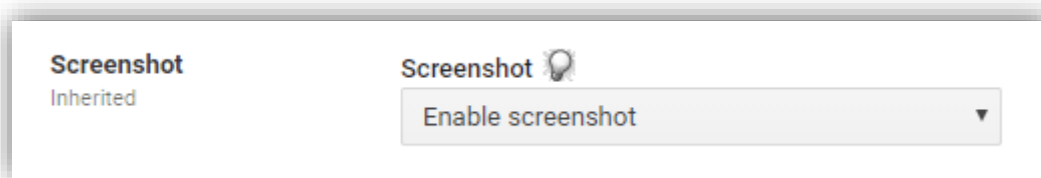
Incognito Mode

Incognito mode allows a user to open browser windows that do not load applications and extensions. As a result users in Incognito mode will not be monitored or activate logged by Impero Education Pro. To combat this it is essential that you disable Incognito mode for users running Impero Education Pro.



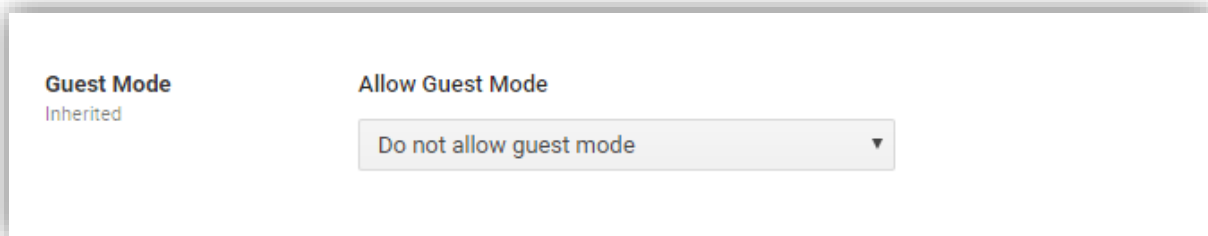
Screenshot

Impero Education Pro uses a series of rapidly taken screenshots to provide live monitoring of active devices rather than a direct stream connection to the device. This method improves latency and reduces network overheads. On the ChromeOS platform this functionality is dependant on Screenshots being enabled for the users from within the Google G suite. With Screenshots disabled, Impero Education Pro will still monitor and log device activity but you will be unable to view a live feed of the device from the console. It is therefore recommended you enable Screenshots.



Guest Mode

Like Incognito Mode, Guest Mode doesn't retain any session data or enable apps and extensions with the added function of not requiring a valid google account to login. Guest Mode prevents the Impero Education Pro Application and Extension from being deployed. It is therefore recommended that you disable Guest Mode via the Google g-suite.



Manual Install on Chromebook

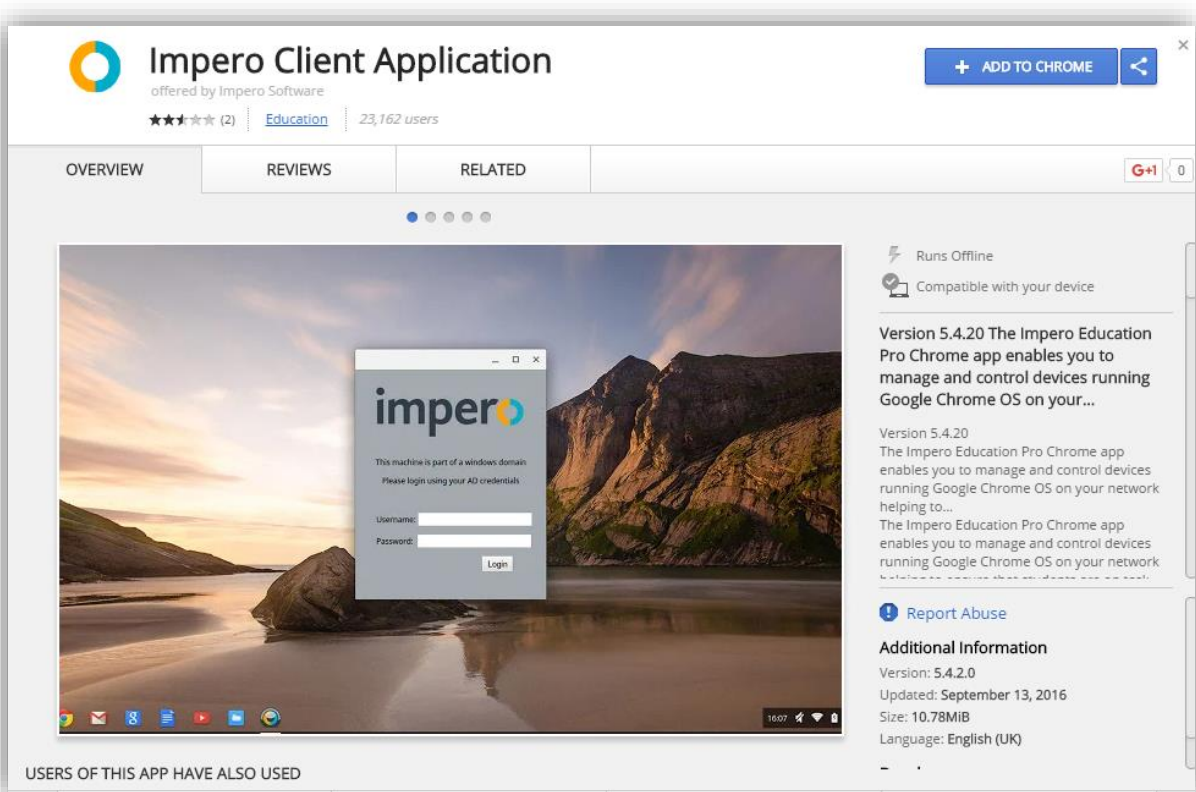
A manual install of Impero software on a Chromebook is ideal for users with small amounts of Chromebook's on site as well as those who just wish to conduct a test on a small quantity.

In order to achieve this please follow the instructions below.

Log in to the user, which you wish to deploy the Impero software extension and application to and launch a Chrome browser window.

Navigate to the **URL bar** at the top of the browser, input the URL address found at the top of this guide, and navigate to the corresponding page.

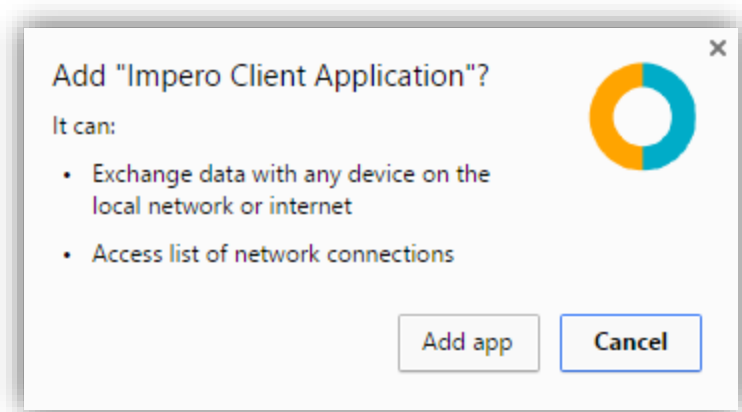
This will link to page such as the one below.



In the top right hand side of the page, select the **'ADD TO CHROME'** button to allow this plug in to install into your google chrome extensions.

This will then display a small popup from the chrome webstore asking if you wish to add this application or extensions as seen below.

Make sure to click **“Add app”** to add this to your browser plug in’s.



Please Note: You will need to perform this for both the application and extension portion of the Impero software Chromebook files for Impero to function, so make sure to add them both.

Manual Bookmark Setup

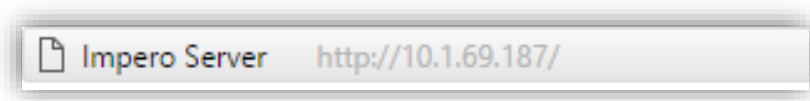
To set up manually the **Impero server bookmark** required for connectivity of the Impero Chromebook software you will first need to navigate to your bookmarks section of the Chrome browser.

This can be done by clicking on the **navigation drawer** options in the top right of the screen. This button is indicative of three dots stacked upon each other.

From there scroll down the list until you can highlight the **bookmarks** section, which will expand into a sub menu where you will need to select the **bookmark manager** option.

From here, you will be able to create a new bookmark within your chrome browser. To do this **right click** in the blank space, on the right hand side under the bookmarks bar category and select **‘Add Page’**. Which will open up a new bookmark setup option.

On this screen, you will need to **name the bookmark** as “**Impero Server**” and input into the URL category the **IPv4 address** of your Impero hosting server. (See *Fig Below*)



Once saved, it is recommend restarting your Chromebook and log in as the correct user.

Congratulations! You have manually installed the Impero Software for your Chromebook.

Pin Group Guide

Our ‘Pin Groups’ form is one of Impero Software’s main features to group your Chromebook’s and well suited to **BYOD** initiatives currently sweeping across organisations worldwide.

Please find the follow guide below to explain into this feature further.

<http://bit.ly/ImperoEdProPinGroupGuide>

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