VIRTUAL CABLE

UDS Client Installation in IGEL Thin Clients

#SmartDigitalWorkplace

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Introduction

Thin Client devices from the manufacturer IGEL Technology are fully compatible with the UDS Enterprise connection broker to allow users access desktop services and virtual applications provided by this software.

From these devices, you can connect to VDI and vApp services published in UDS Enterprise, both Windows and Linux.

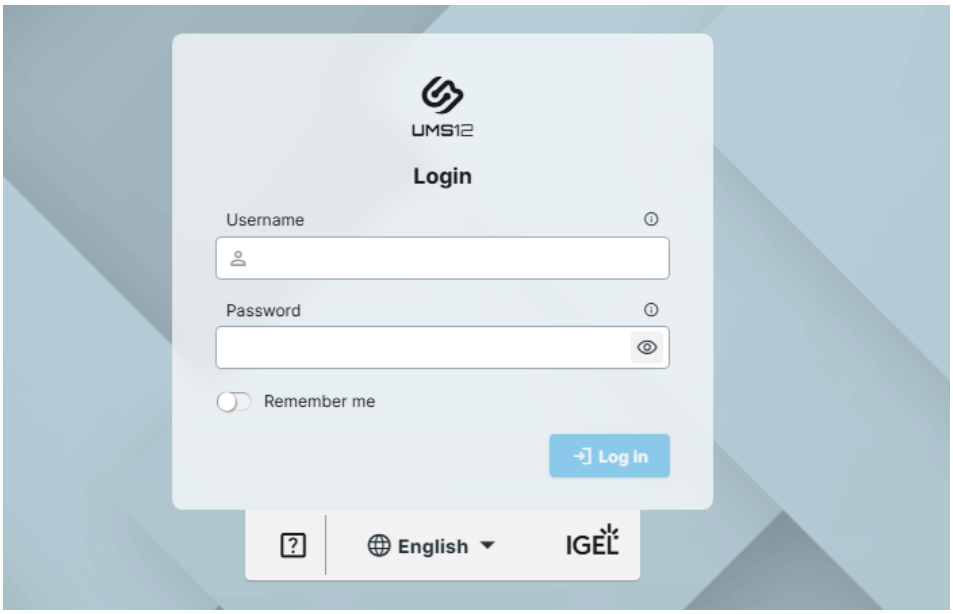
For these devices to be able to make connections to UDS Enterprise services through the UDS Client, it is necessary to perform a series of tasks that are described in this document.

These tasks include configuring a new profile on the UMS server (Universal Management Suite server that will centrally manage all devices and which must be previously configured), uploading the UDS Client adapted for this type of device, and assigning the new profile to IGEL Thin Clients.

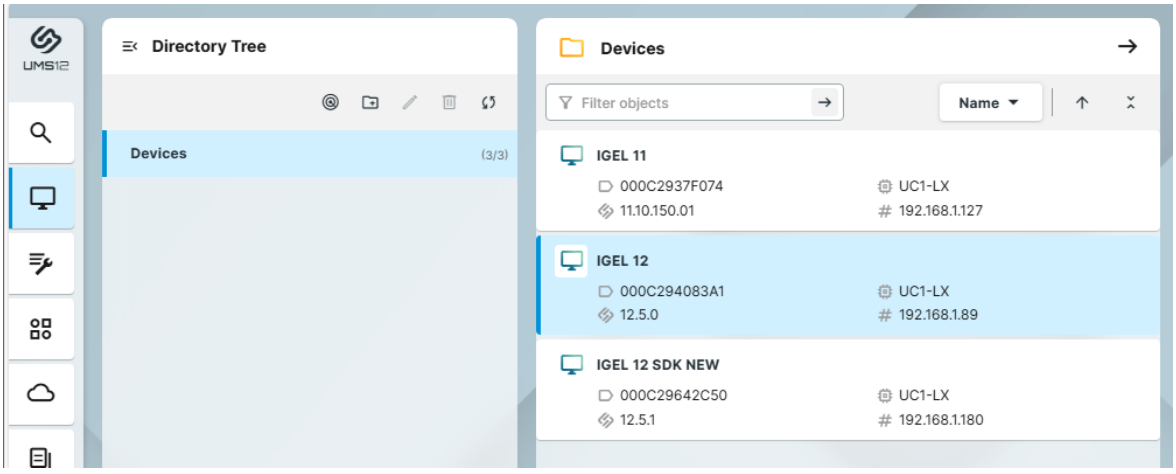
Configuration in Universal Management Suite (UMS)

The IGEL Thin Client devices must be managed through the Universal Management Suite (UMS) tool. This software will allow you to configure profiles and other elements so that you can send them to all devices centrally.

It will be necessary to access the UMS management console with a user with permissions:



In the UMS administration panel, you must have the IGEL Thin Clients to use with UDS Enterprise. They must be registered and available to apply for the new profile:



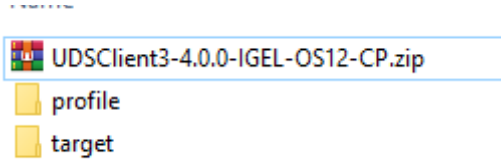
Import UDS Client files

The first task that you will carry out will be to upload the files from the UDS Client to the UMS server. For this purpose, download the UDS Client adapted for IGEL devices from the following URL:

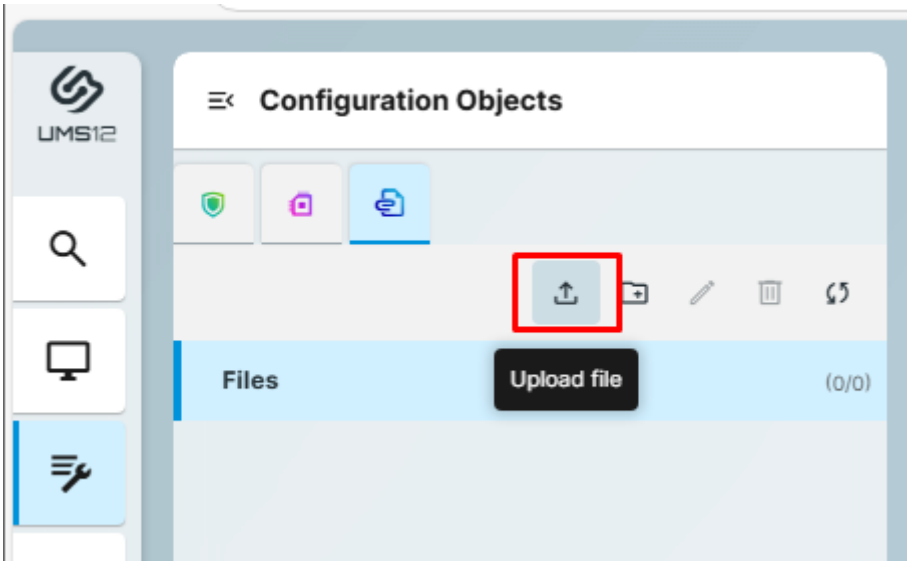
https://images.udsenterprise.com/files/UDSClient/UDS-4.0.0/IGEL12/UDSClient3-4.0.0-IGEL-OS12-CP.zip

This UDS Client also includes the RDP connection client: FreeRDP (version 2.3) and the X2Go client (to connect with Linux vApps).

Once the file is downloaded, unzip it to obtain the two necessary files that you will upload to the UMS server (there will also be the .xml file of the new profile that you will import in the next steps).

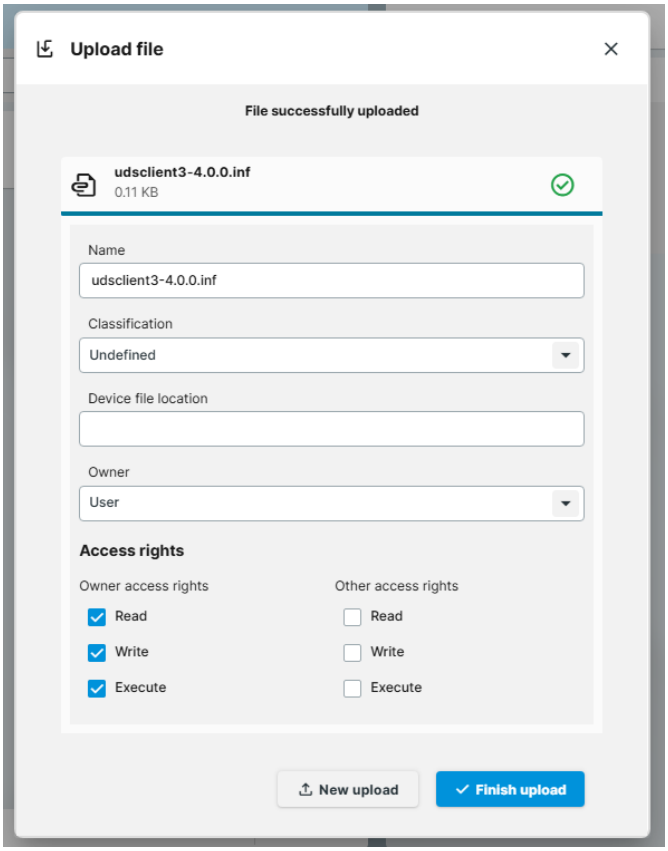


In the UMS server, go to ”Files” section and in the options menu select “New File”:

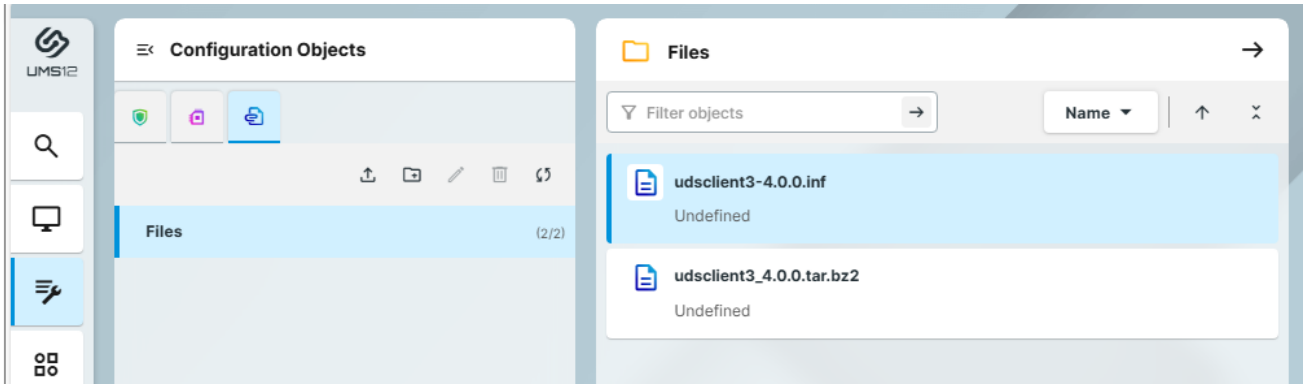


In the wizard, you will indicate the files to upload. You must upload the files UDSClient.inf and UDSClient.tar.bz2. The "upload location" section will need to be selected manually so that the upload does not fail.

Leave the section "Device file location" empty:



Once the file is uploaded, repeat the process with the other file:



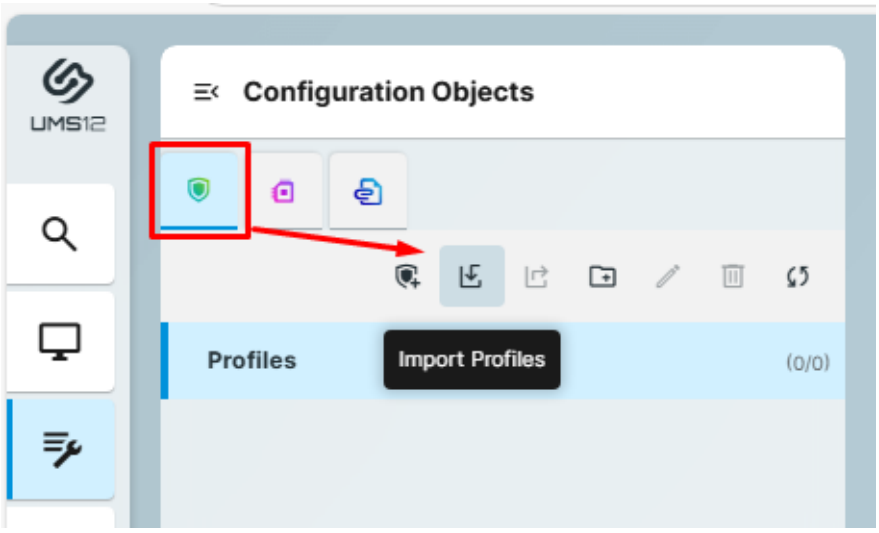
Create the new profile

Now you will proceed to the creation of a new profile that you will later assign to the IGEL Thin Clients. You will import this new profile into the UMS server. It contains the necessary configurations so that the devices have the client and can connect to UDS Enterprise services through the UDS Client.

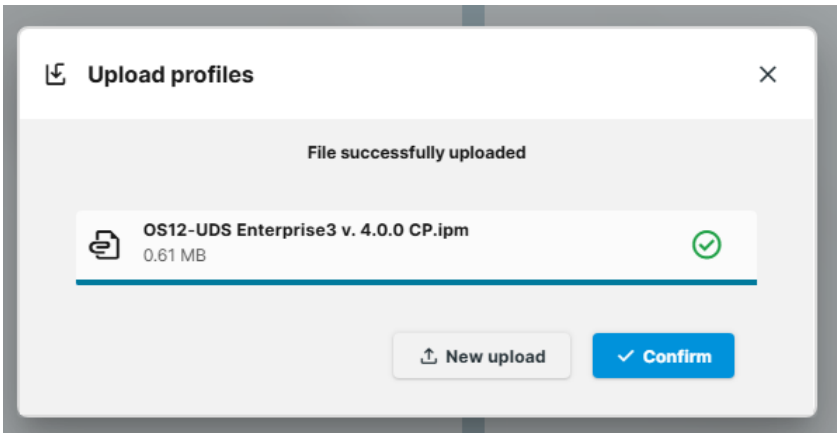
In addition to the tasks described below, you can also add more necessary elements to make them available in the user's session, such as desktop access to the web browser (it is recommended to use Chromium, which can be downloaded from the IGEL web portal) to later access the UDS Enterprise login portal.

To import this new profile, we will use the UDSClient-Profile.ipm file that is inside the file (profile folder) downloaded earlier.

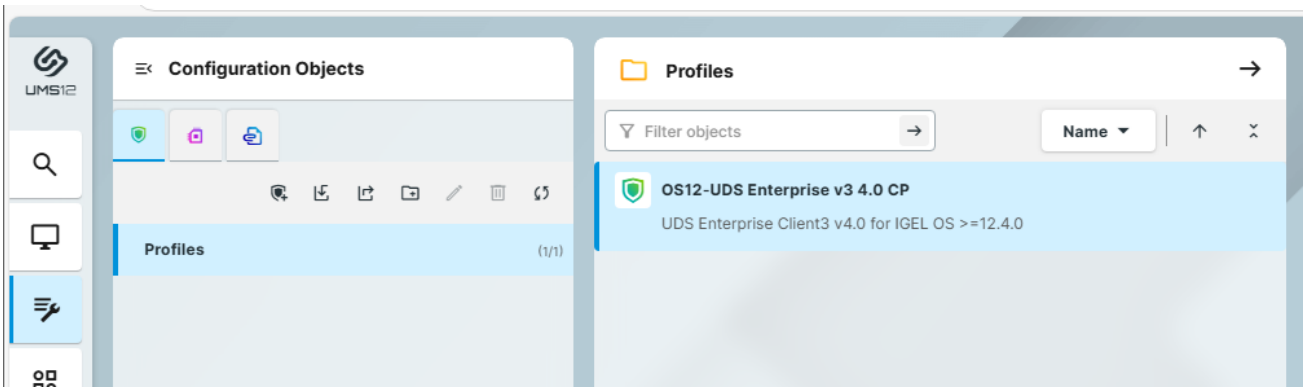
On the UMS server we go to the "Configuration > Profiles" section and in the options menu we select "Import Profiles":



In the file explorer select the file UDSClient-Profile.ipm:

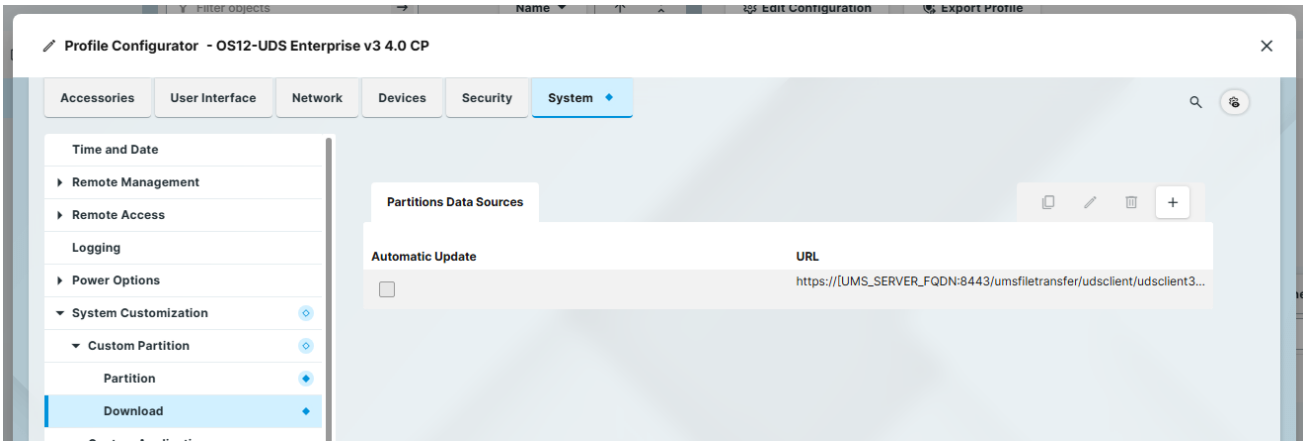


Accept to proceed with the import of the new profile and once imported, we will have the new profile on the UMS server:

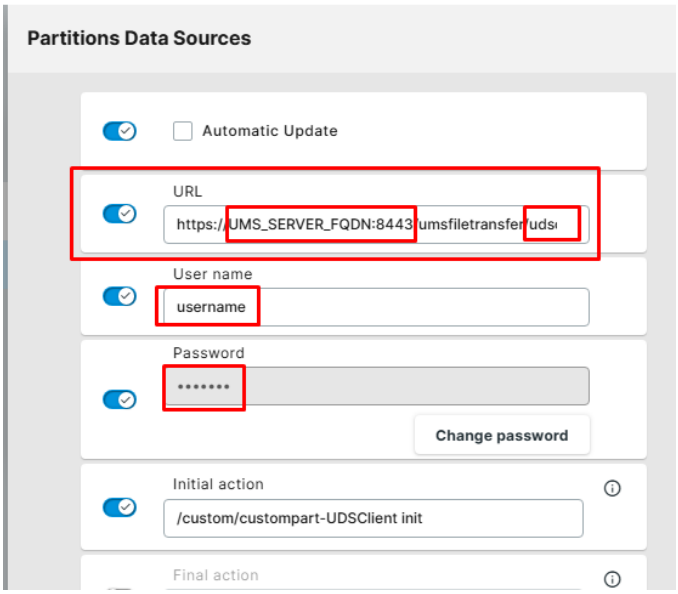


Edit the imported profile to make the necessary modifications:

Accedemos al apartado "System" – "System Customization" – "Custom Partition" – "Download":



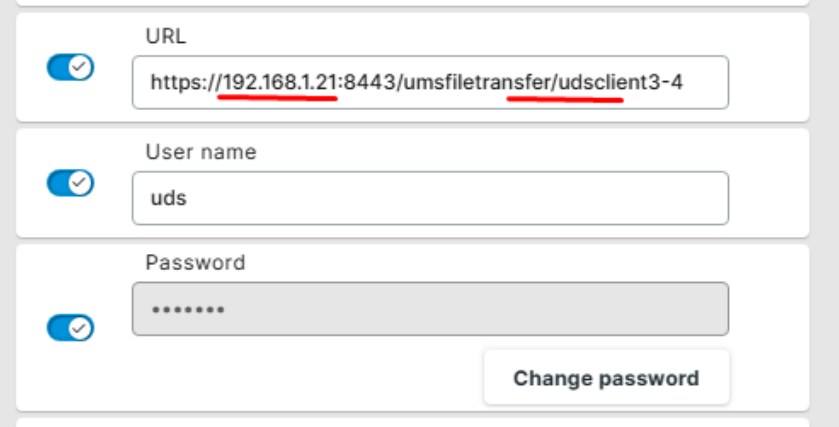
Select the resource from the existing partition and edit it to modify some data:



Modify:

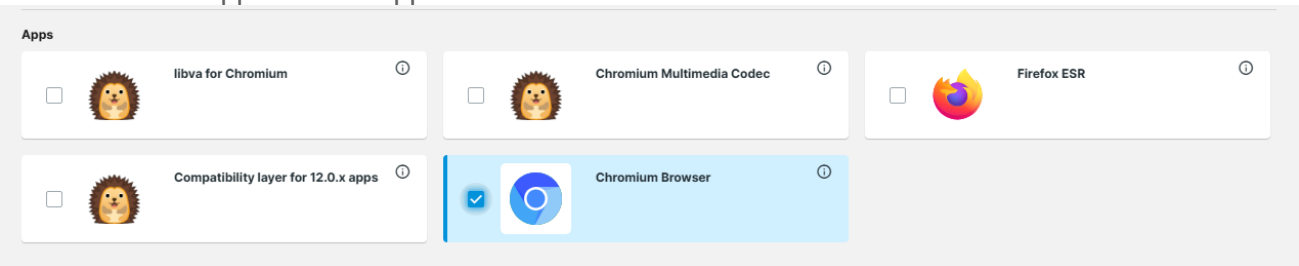
- **URL:** Provide the name or IP address of our UMS server. (For example: https://192.168.1.21:8443/ums_filetransfer/udsclient3-4.0.0.inf)
- **User name:** Username with permissions on UMS.
- **Password:** The user's password.

For example:



The new profile requires a browser to create a Chromium web browser session, for example, on the Thin Client desktop. To modify this session we can make the following changes:

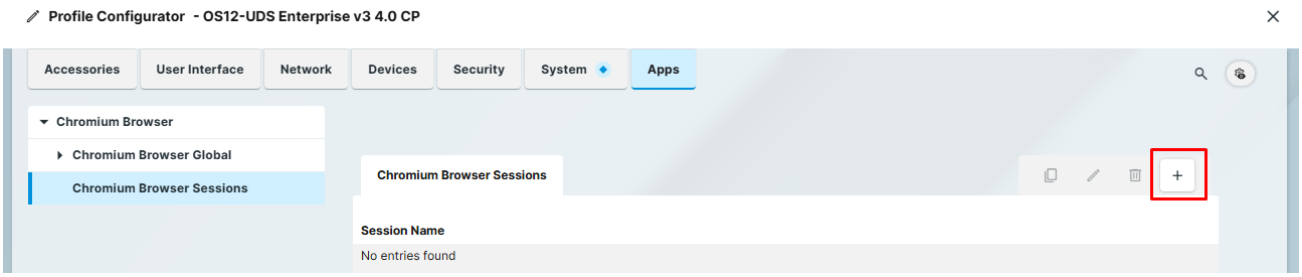
- Add the app from the app selector:

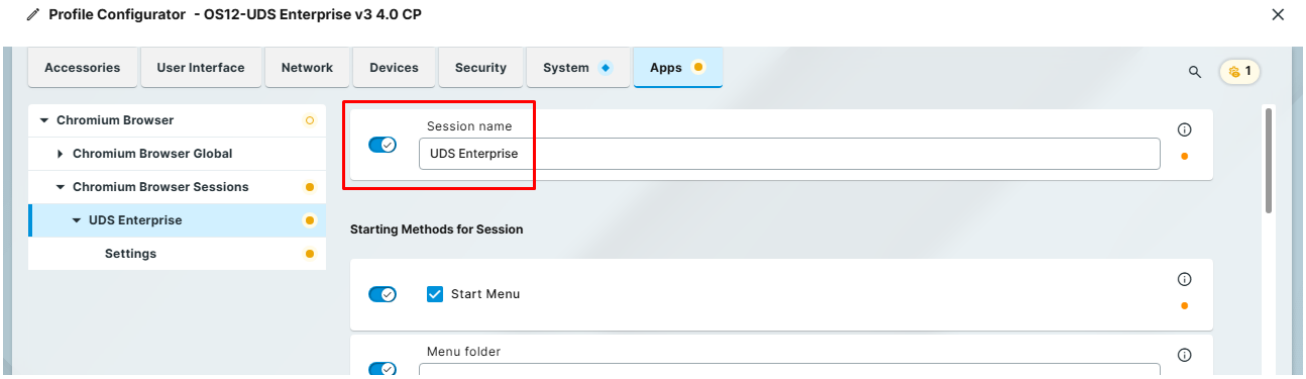


Once the app is added:

- Session Name:

Access the section “Apps” – “Chromium Browser” – “Chromium Sessions” – “Chormium browser” and we add a “Session”.

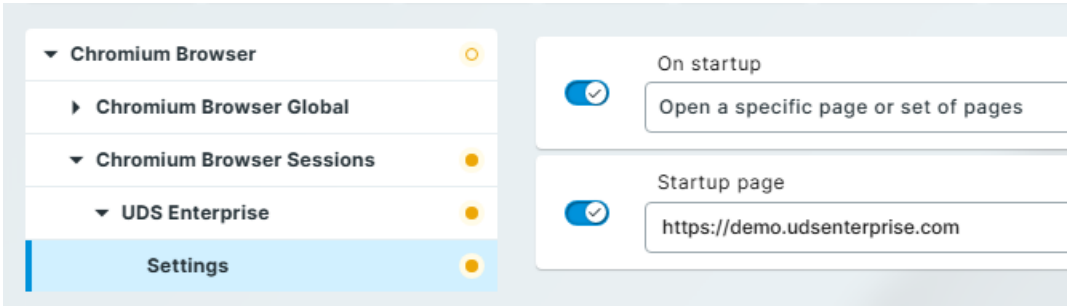




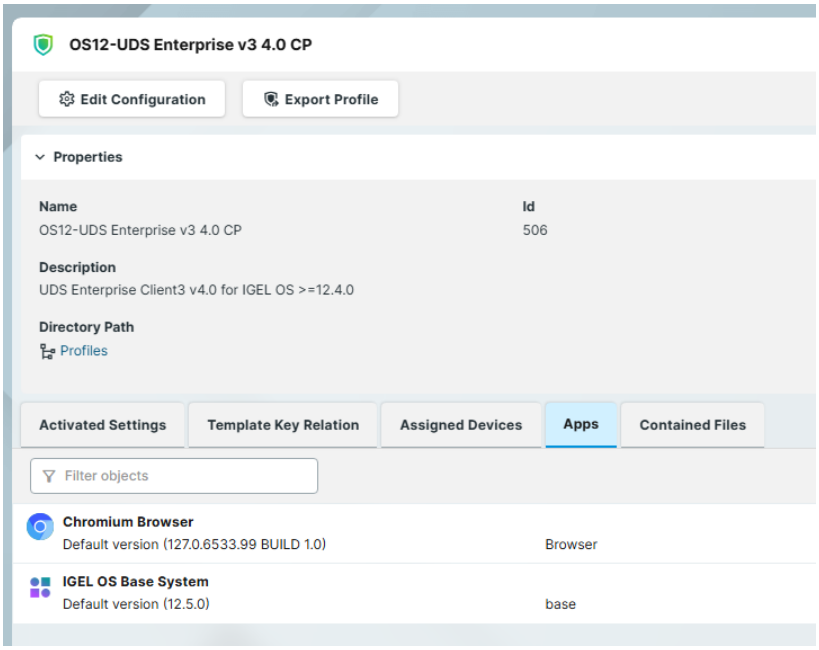
NOTE: Chromium is recommended. In the case of using Firefox, it will be necessary to add exceptions in AppArmor to allow the execution of the UDS Client or disable AppArmor in the user's profile directly.

- Browser home page

Access the section "Sessions" – "Chromium Browser" – "Chromium Sessions" – "Chormium browser" – "Settings" and modify the "Startup page" field:



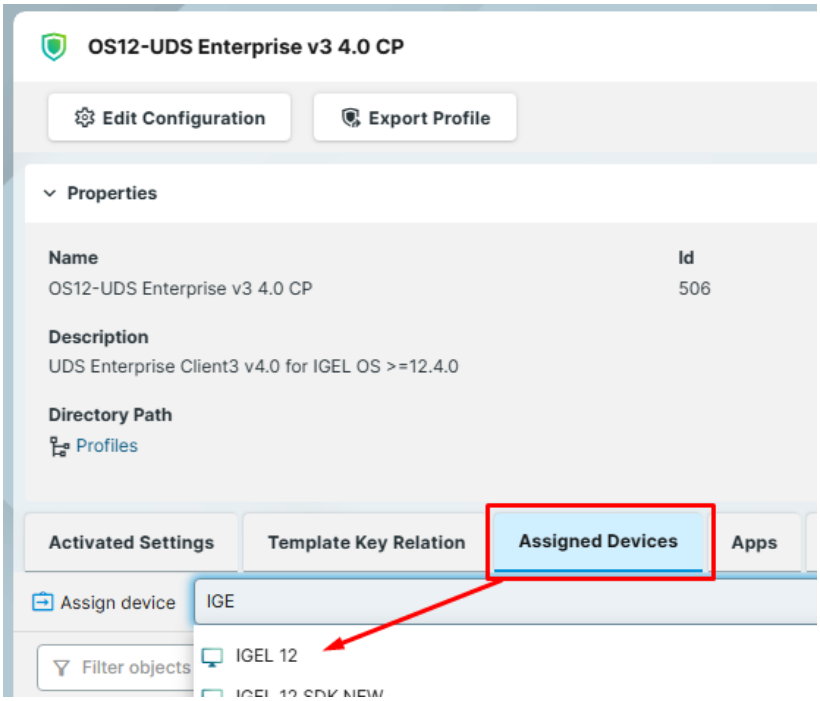
Once all these changes have been made in the new profile, save it (additionally, other necessary changes can be added).



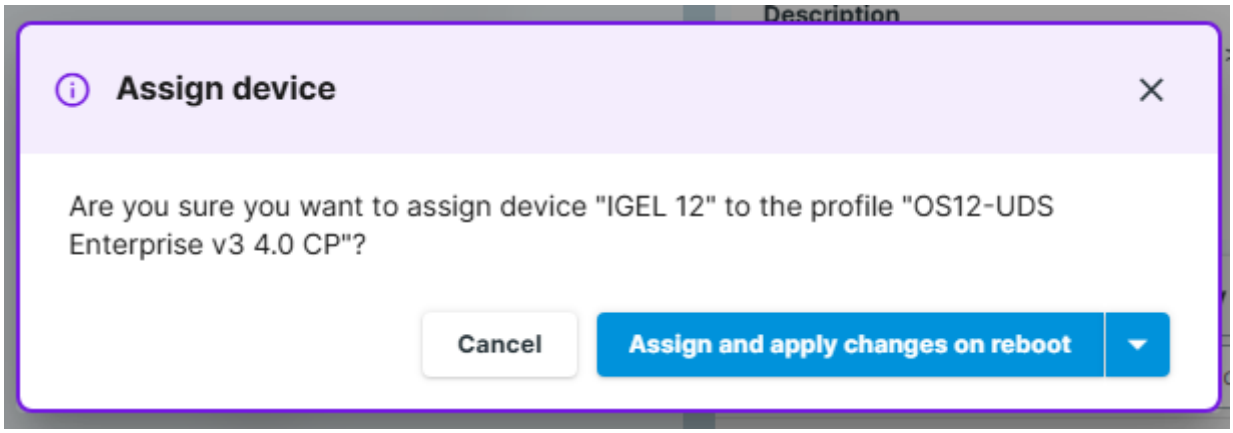
Assign profile

The last task that you will perform from the UMS console will be to assign the new profile created to the IGEL Thin Client devices.

To carry out this assignment, select the profile and in the "Assigned Device" section, click on "Assign Device". In the wizard you will add the devices you want to apply to the profile and save:

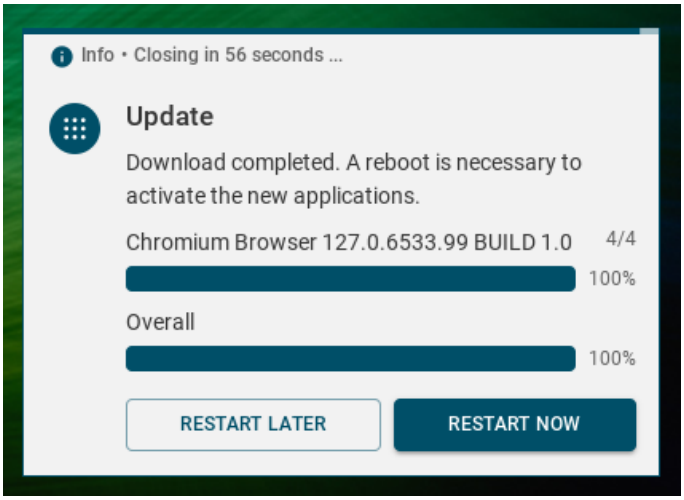


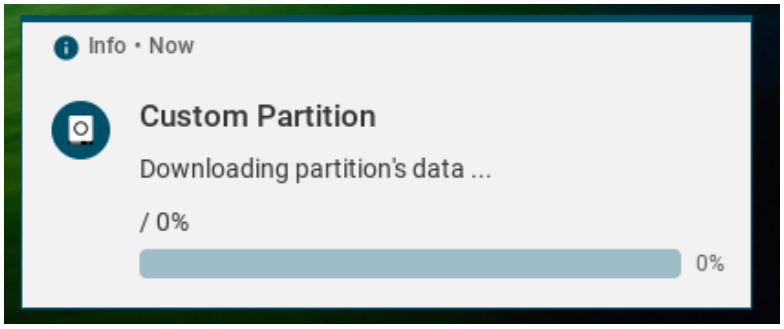
Once the profile is assigned to the devices, restart them to apply it.

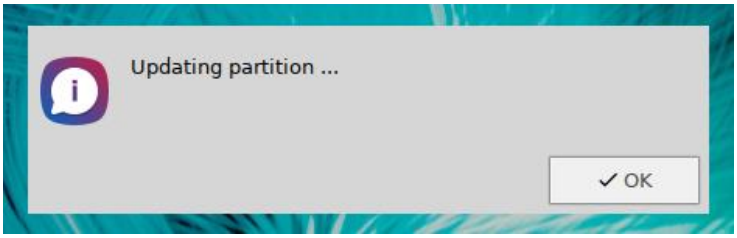


Access from the IGEL Thin Client to UDS Enterprise

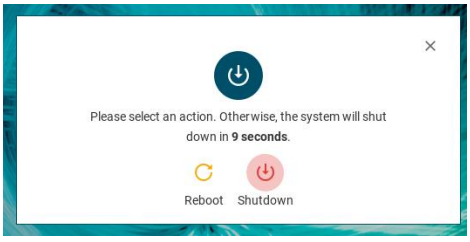
The first time you start the device after applying the new profile, you can see how the new partition is created on the device:





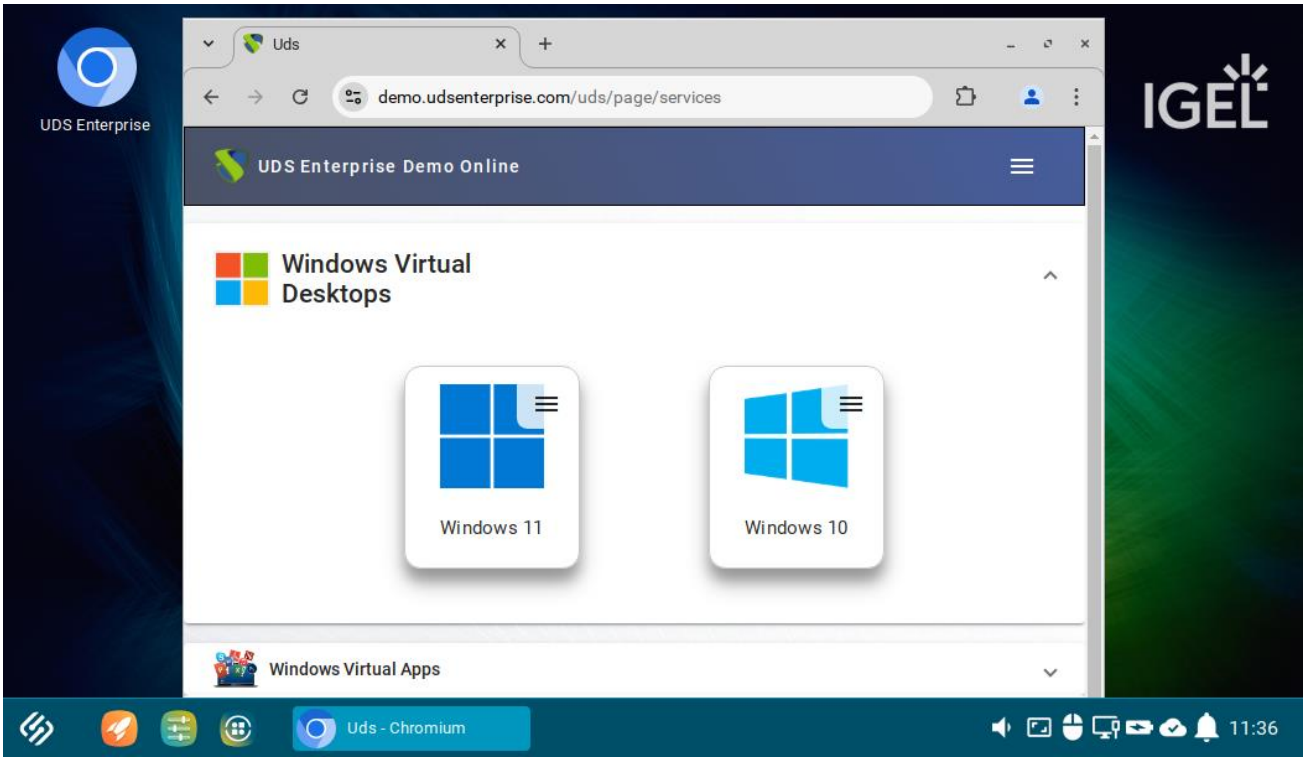


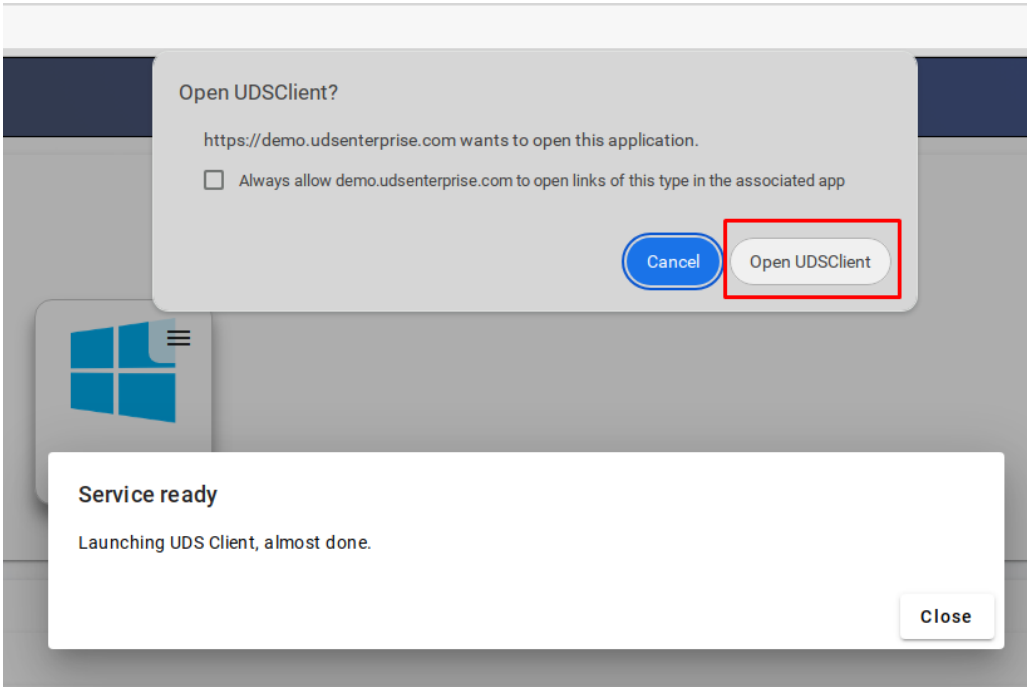
Once the profile has been applied and downloaded to the thin client, you will have to restart the device again.



NOTE: If you do not reboot at least once after downloading the profile, the connection to the desktop will fail.

After restarting the device, you will be able to run the browser and access a UDS environment to run VDI or vApp services (in the case of accessing Windows/Linux desktops and Linux applications, the RDP protocol will be used, through the FreeRDP client. If you access virtual Linux applications, you will use the X2Go protocol through the X2Go client).

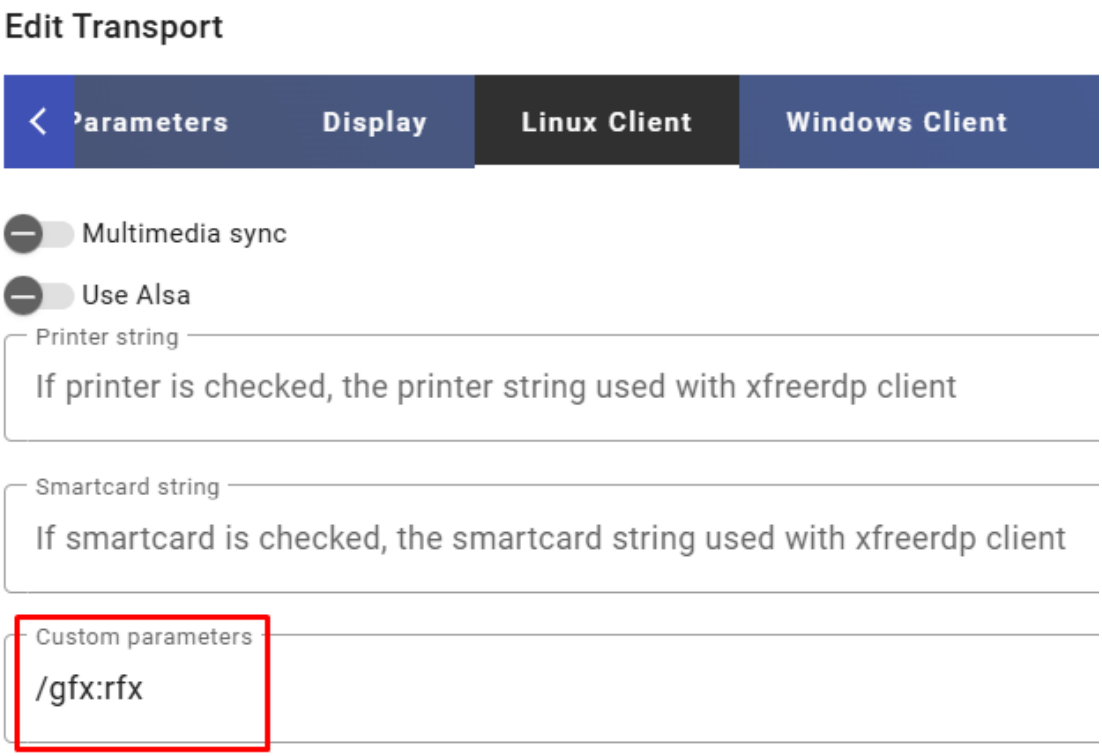




Additionally, in certain types of connections it will be necessary to optimize the connection through the FreeRDP client, for example, in video and audio playback.

To apply these optimizations, you must edit the transport corresponding to each service and in the "Linux Client" tab in the "Custom parameters" section you can add different parameters supported by FreeRDP 2.3 (separated by spaces).

In this example, the parameter "/gfx:rfx" has been added, which improves the quality and synchronization of the audio and video:



THE SMART DIGITAL WORKPLACE SOLUTION BY VIRTUAL CABLE

About UDS Enterprise

UDS Enterprise is a new software concept for creating a **fully customized workplace virtualization** platform. It provides **secure 24x7 access** from **any location and device** to all applications and software of an organization or educational center.

It allows you to combine Windows and Linux **desktop and application virtualization** in a single console, as well **as remote access** to Windows, Linux and macOS computers. Its Open Source base guarantees **compatibility with any third-party technology**. It can be deployed on-premises, in a public, private, hybrid or **multicloud**. You can even combine several environments at the same time and perform automatic and **intelligent overflows** to optimize performance and efficiency. All with a **single subscription**.

About Virtual Cable

Virtual Cable is a company specialized in the digital **transformation of the workplace**. The company develops, supports and markets UDS Enterprise. It has recently been recognized as an **IDC Innovator in Virtual Client Computing** worldwide. Its team of experts has designed **smart digital workplace solutions** (**VDI, vApp and remote access to physical computers**) tailored to each sector to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have **more than 30 years** of experience in IT and software development and more than 15 years in virtualization technologies. **Everyday millions of Windows and Linux virtual desktops** are deployed with UDS Enterprise around the world.