# UDS Client Installation in IGEL Thin Clients

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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:
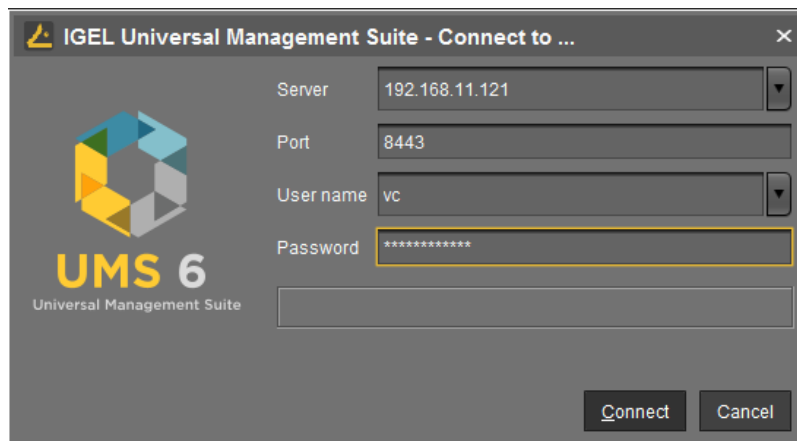


In the UMS administration panel, you must have the IGEL Thin Clients to use with UDS Enterprise. They must be registered and available to apply for the new profile:
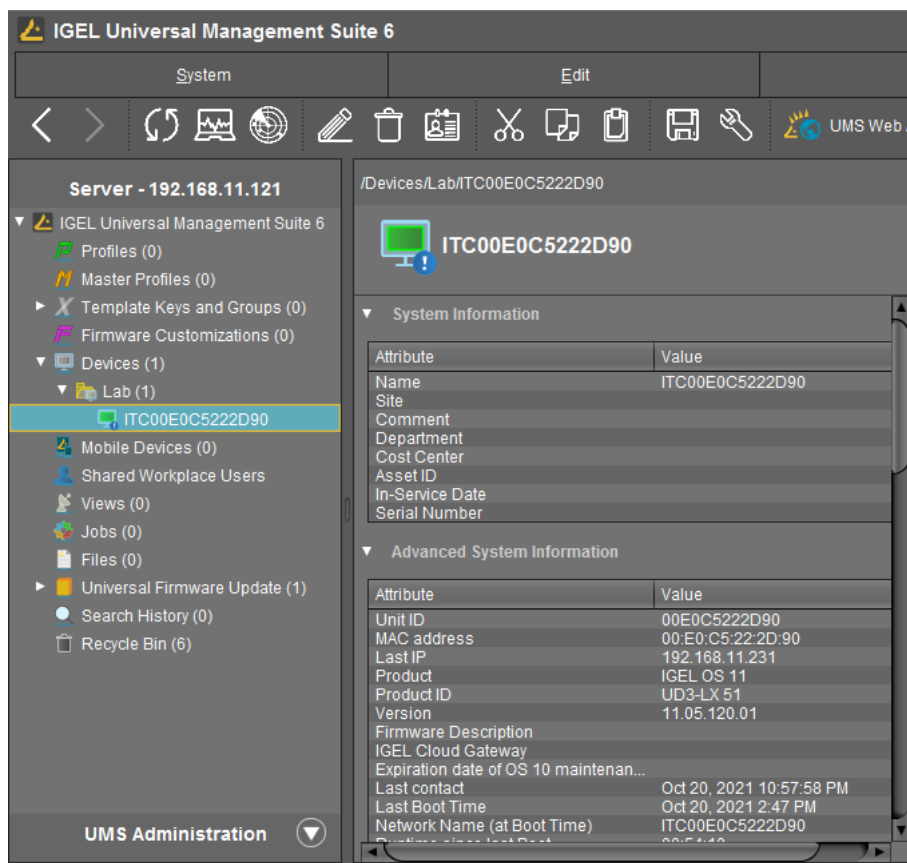
## Import UDS Client files

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-3.6.0/Igel/

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).
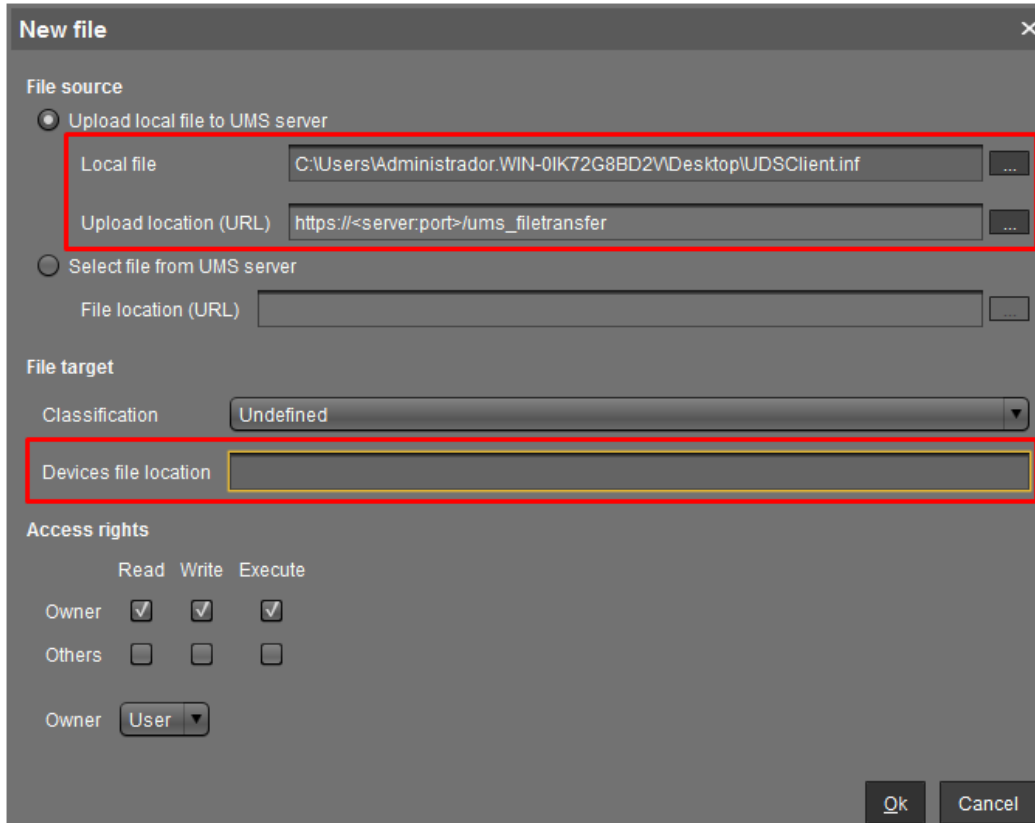


In the UMS server, go to the "Files" section and in the options menu select "New File":
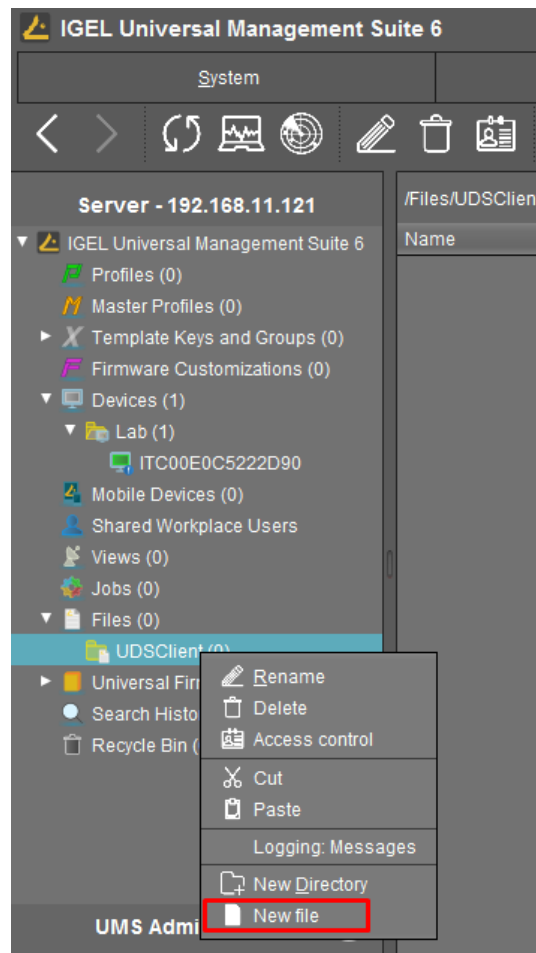
In the wizard, you will indicate the files to upload. You must upload the files UDSClient.inf and UDSClient.tar.bz2. The "upload location" section will need to be selected manually so that the upload does not fail.

Leave the section "Device file location" empty:



Once the file is uploaded, repeat the process with the other file:
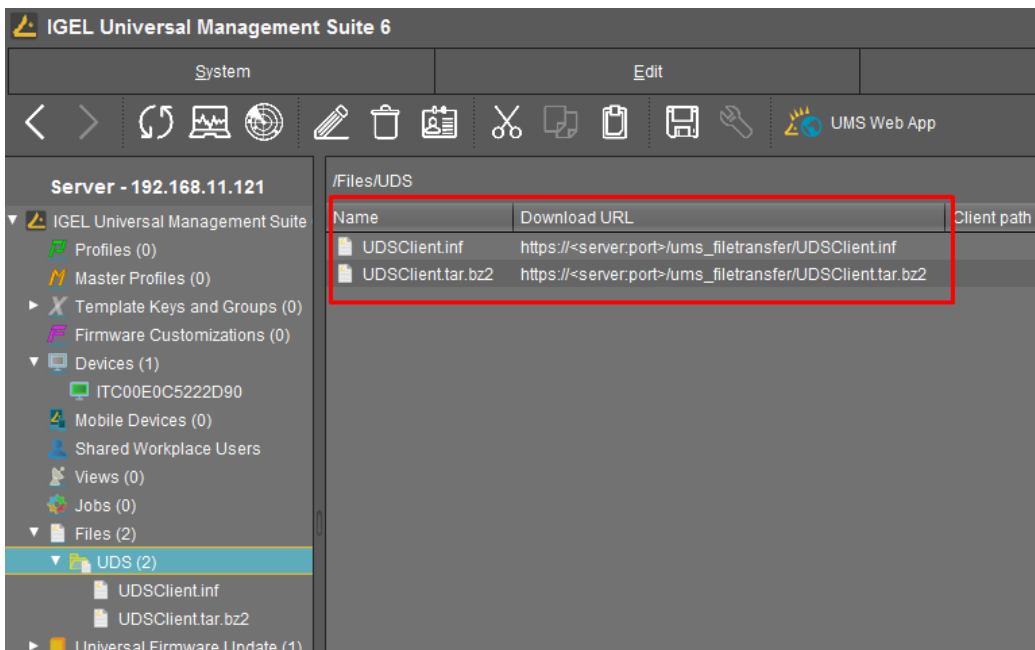
## Create the new profile

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 is available by default on the devices) to later access the UDS Enterprise login portal.

To import this new profile, use the UDSClient-Profile.xml file found inside the igel-udsclient35.zip file downloaded earlier.
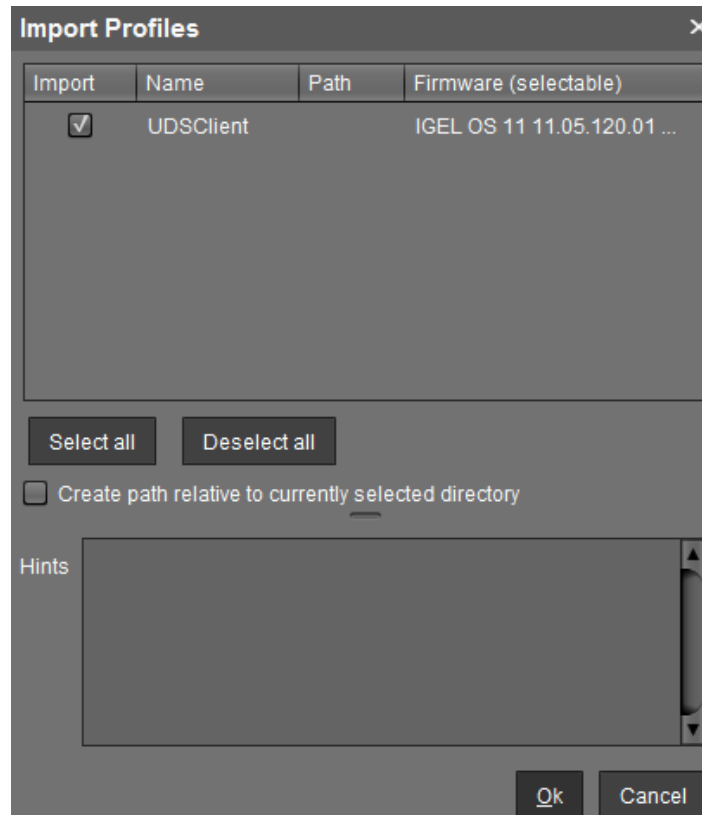
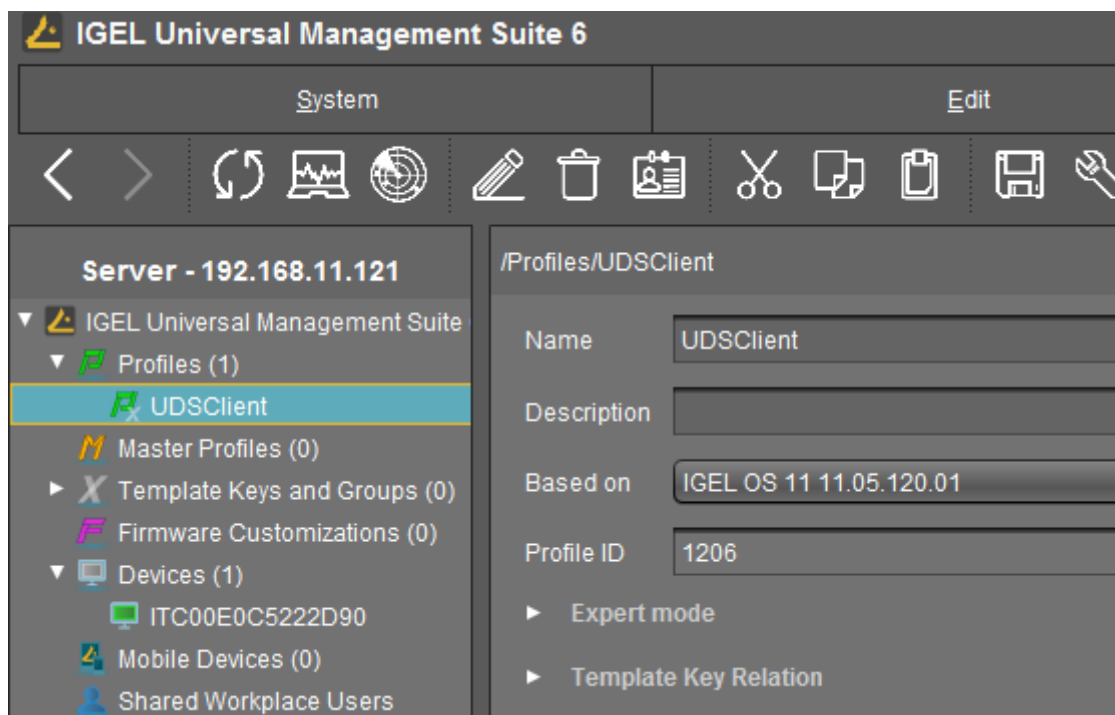In the UMS server, go to the "System" section and in the options menu select "ImportProfiles":
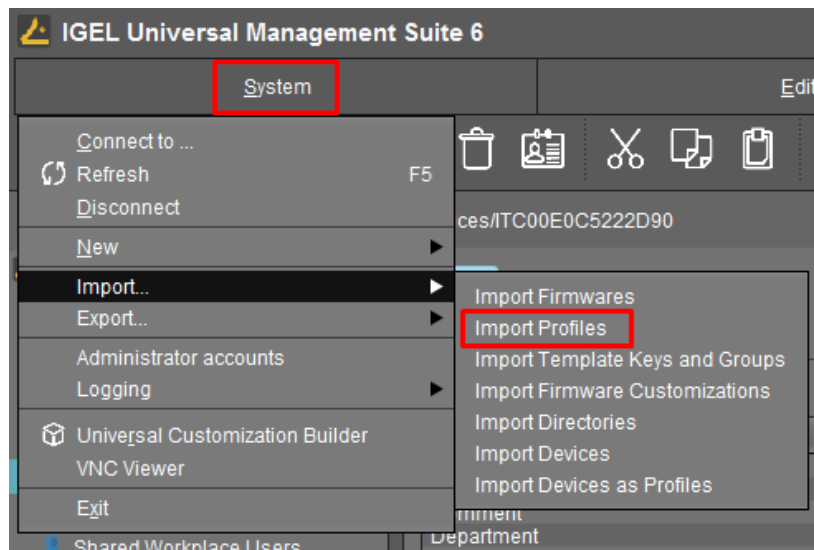
In the file explorer select the file UDSClient-Profile.xml:
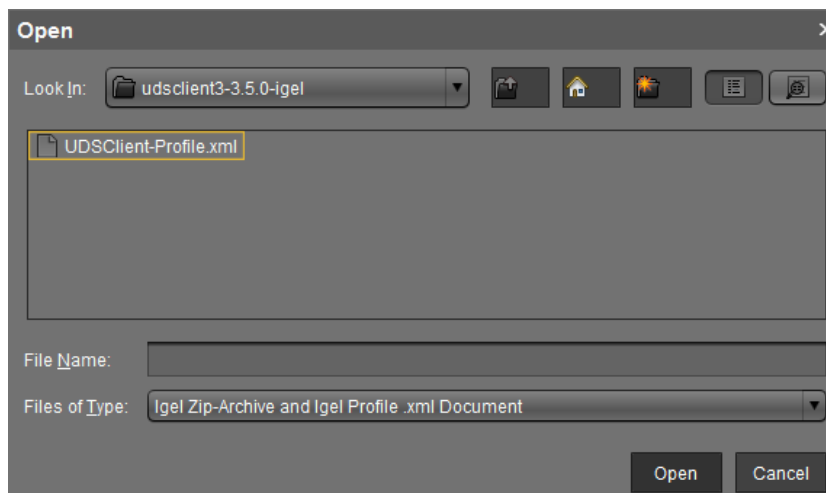
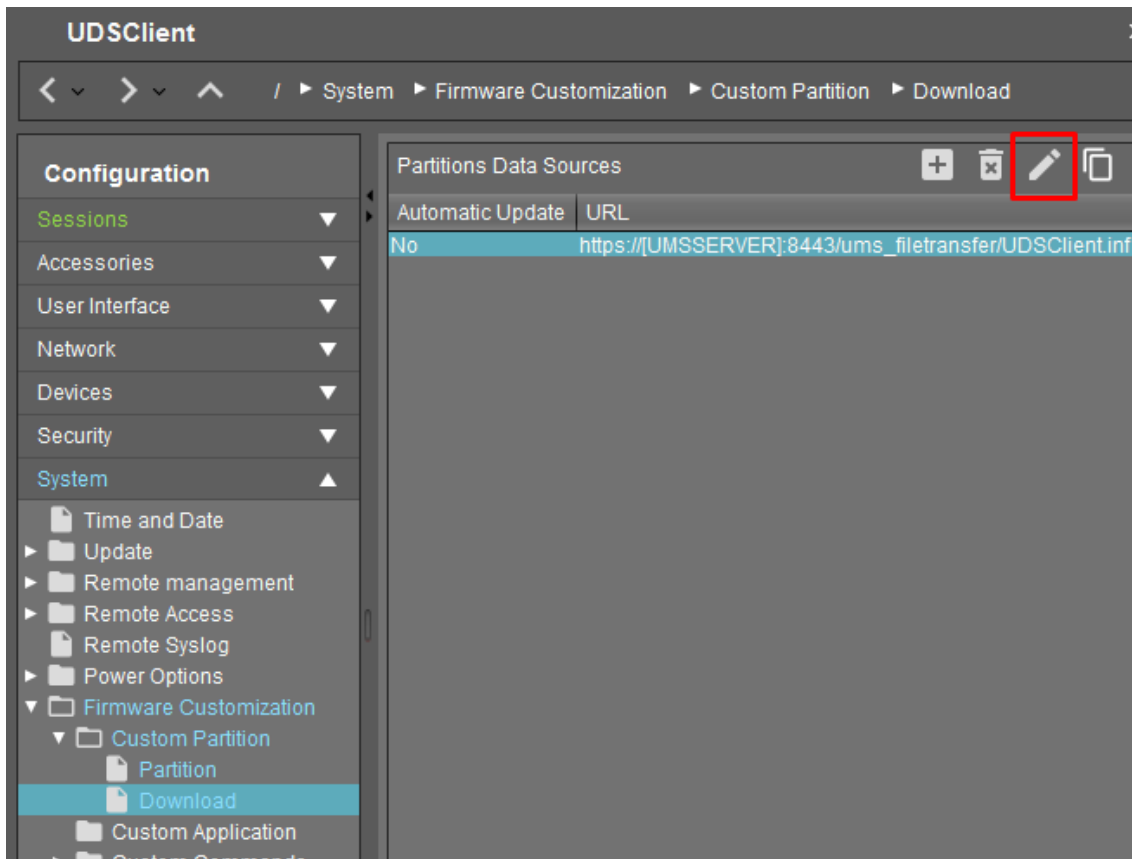Accept to proceed with the import of the new profile:



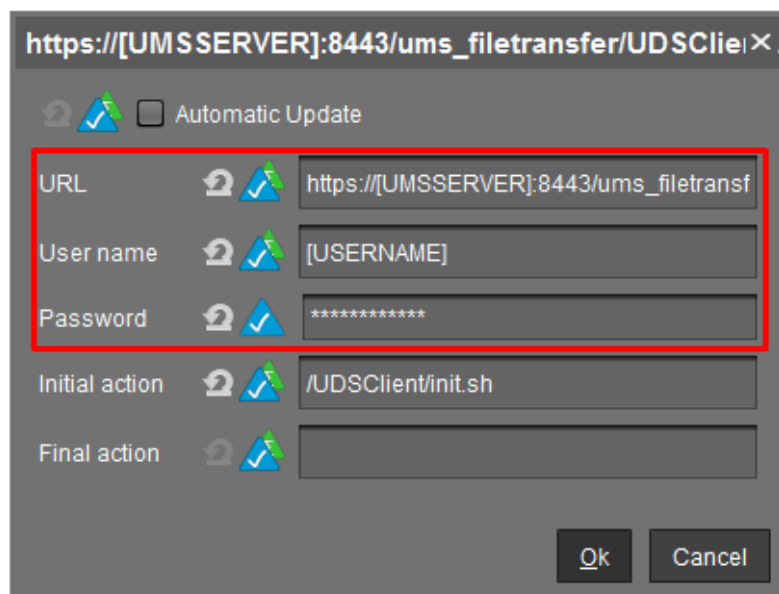Once imported, you will have the new profile on the UMS server:

Edit the imported profile to make the necessary modifications:

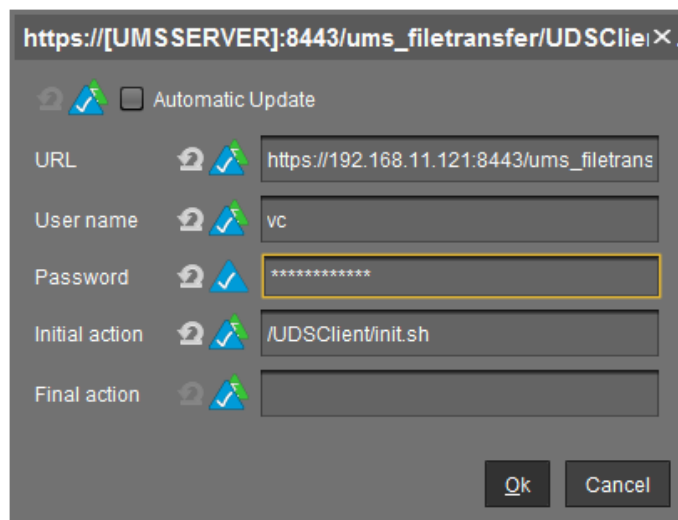Access the section "System" – "Firmware Customization" – "Custom Partition" – "Download":



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

Enter the following information:

- **URL:** Indicate the name or IP address of your UMS server.
- **User name:** User name with permissions on UMS.
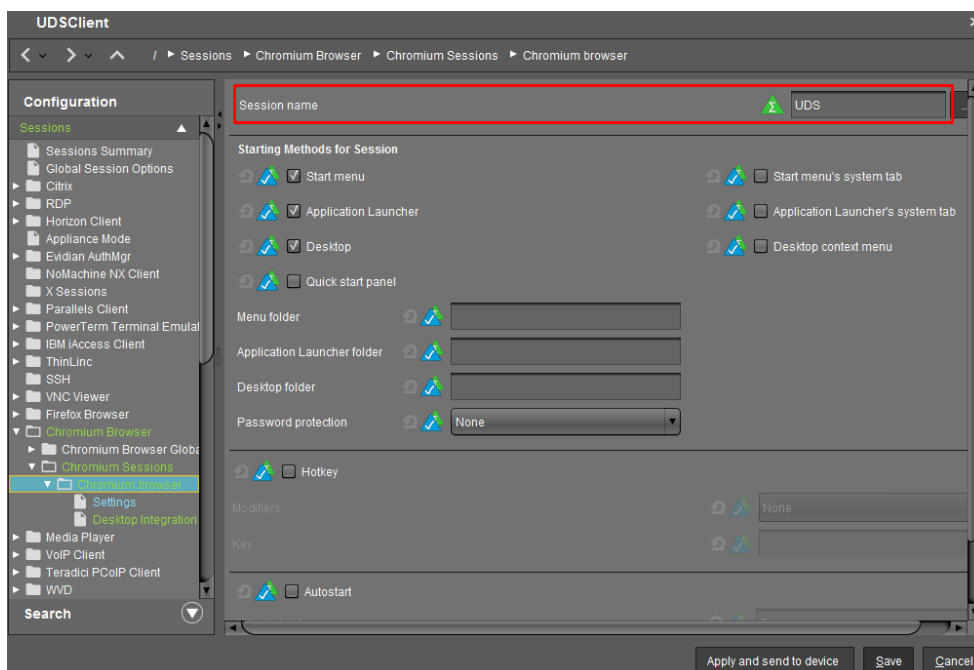- **Password:** User password.

For examlple:



The new profile also includes creating a Chromium web browser session on the desktop of the thin client. To modify this session, you can make the following changes:

- Name of the session.

Access the section "Sessions" – "Chromium Browser" – "Chromium Sessions" – "Chormium browser" and modify the field "Session name".

**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:
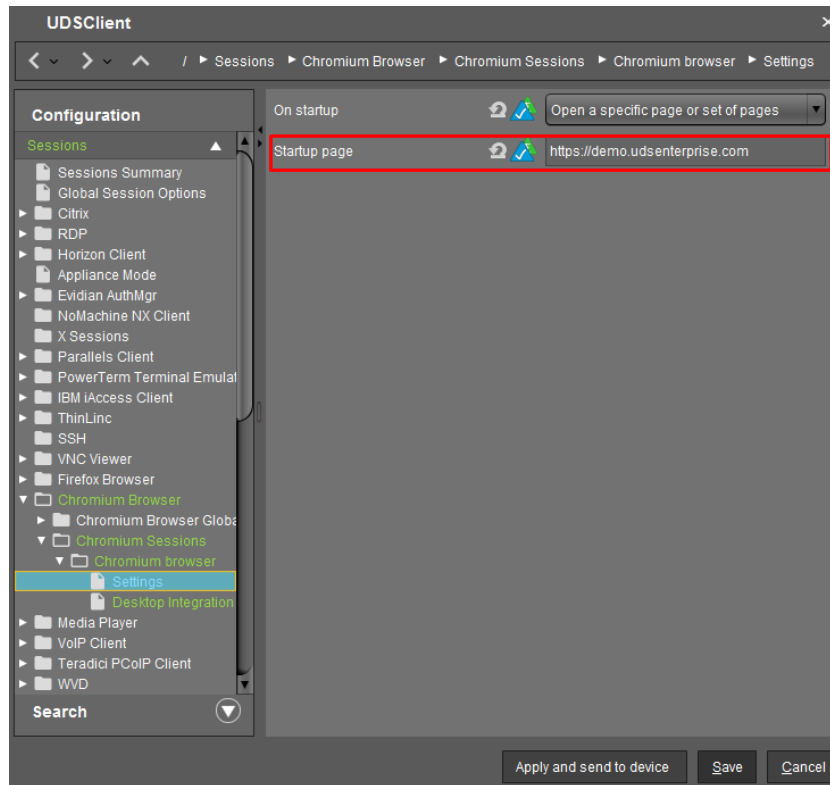


Once all these changes have been made in the new profile, save it (additionally, other necessary changes can be added).
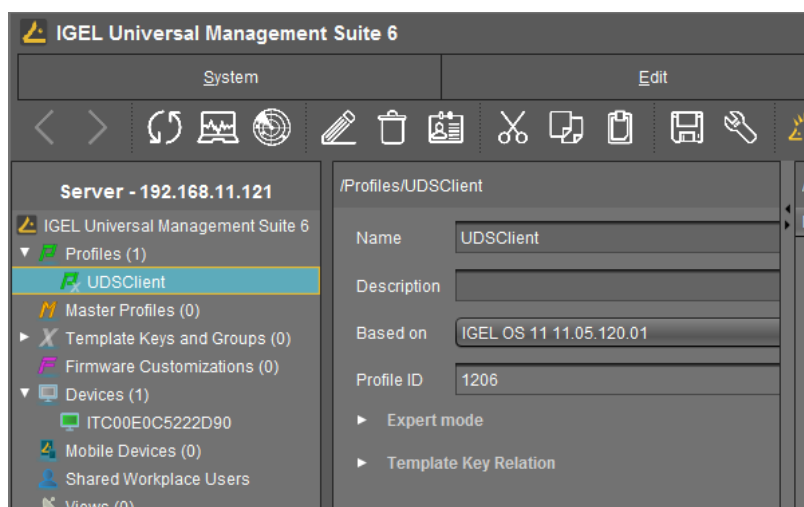
## Assign profile

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 objects" section, click on "Add". In the wizard you will add the devices you want to apply to the profile and save:
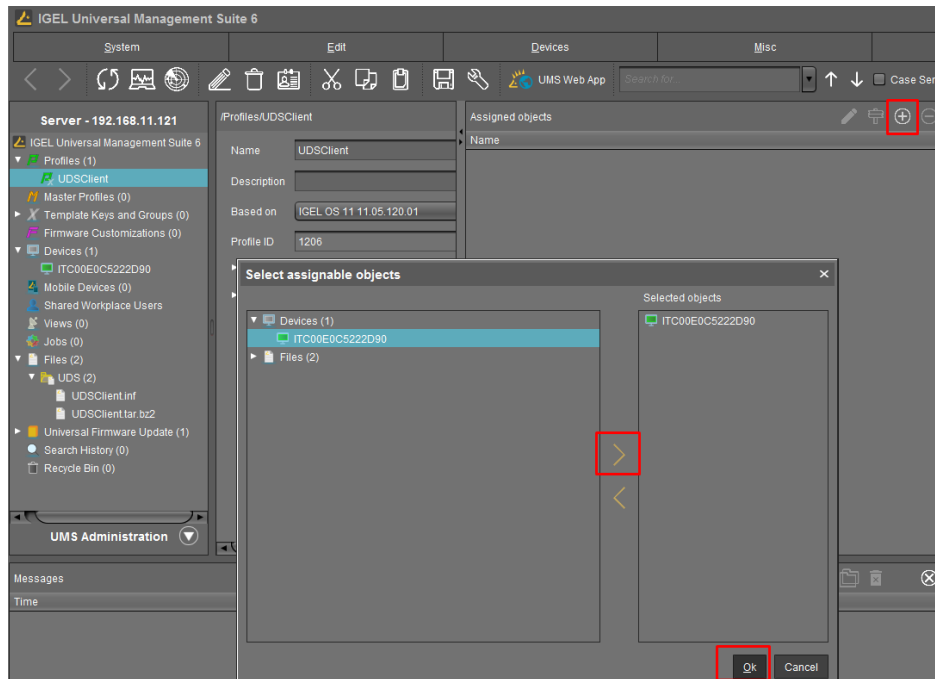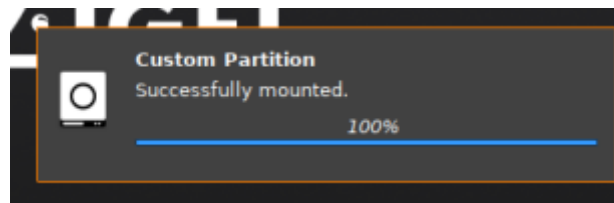


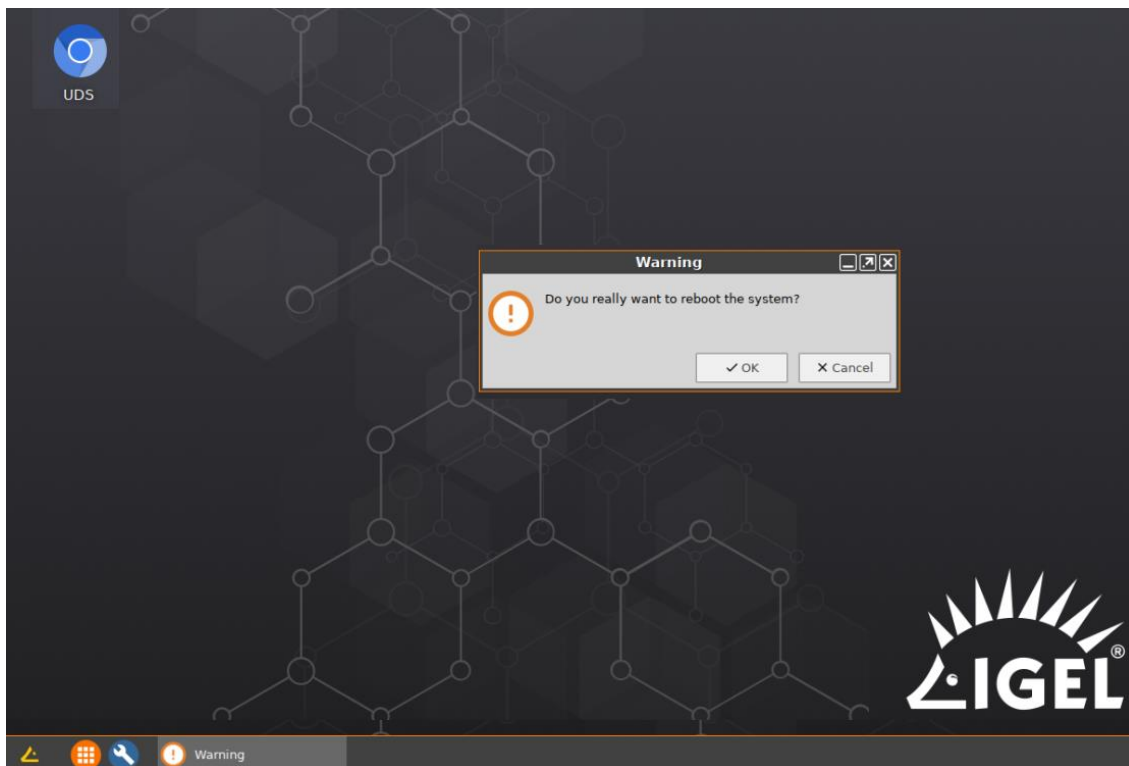Once the profile is assigned to the devices, restart them to apply it.
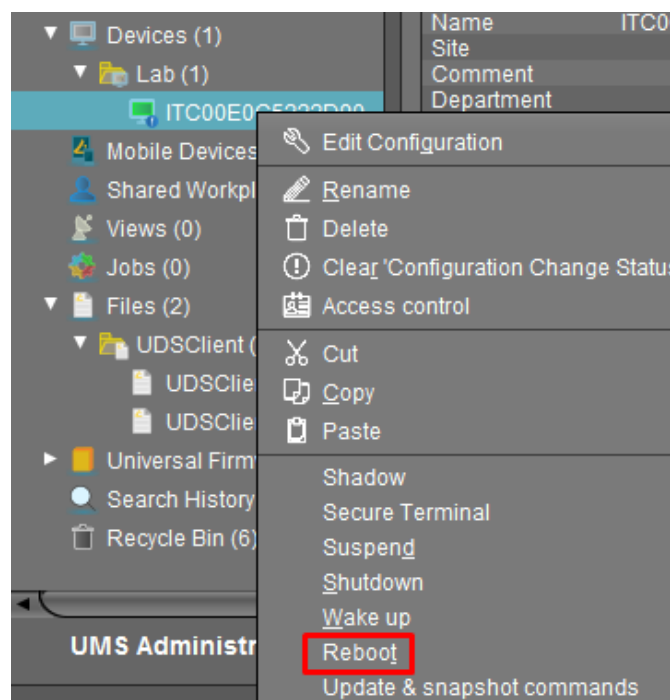
## Access from the IGEL Thin Client to UDS Enterprise

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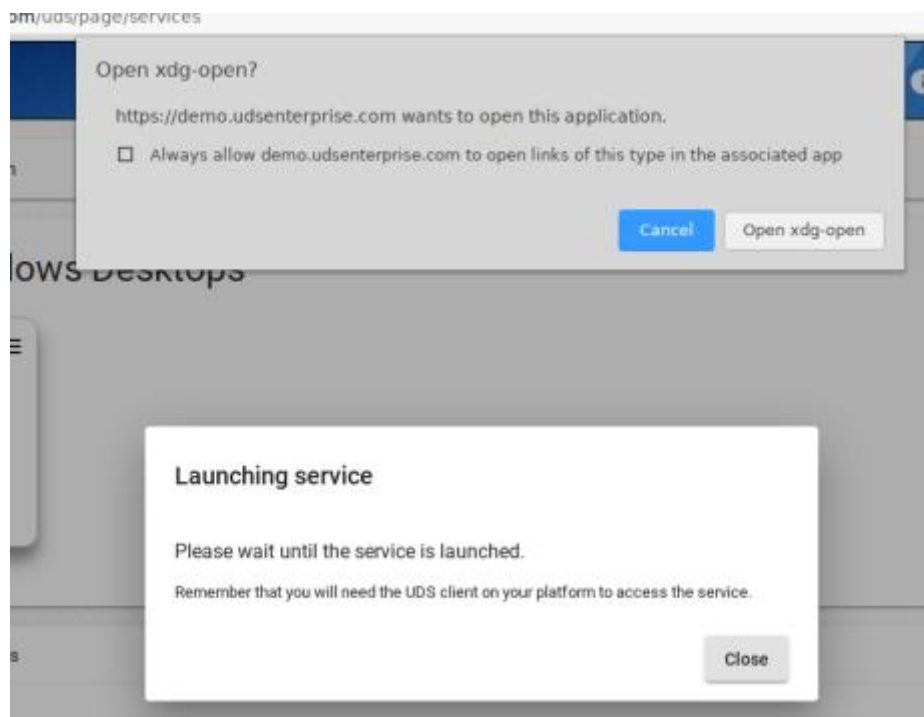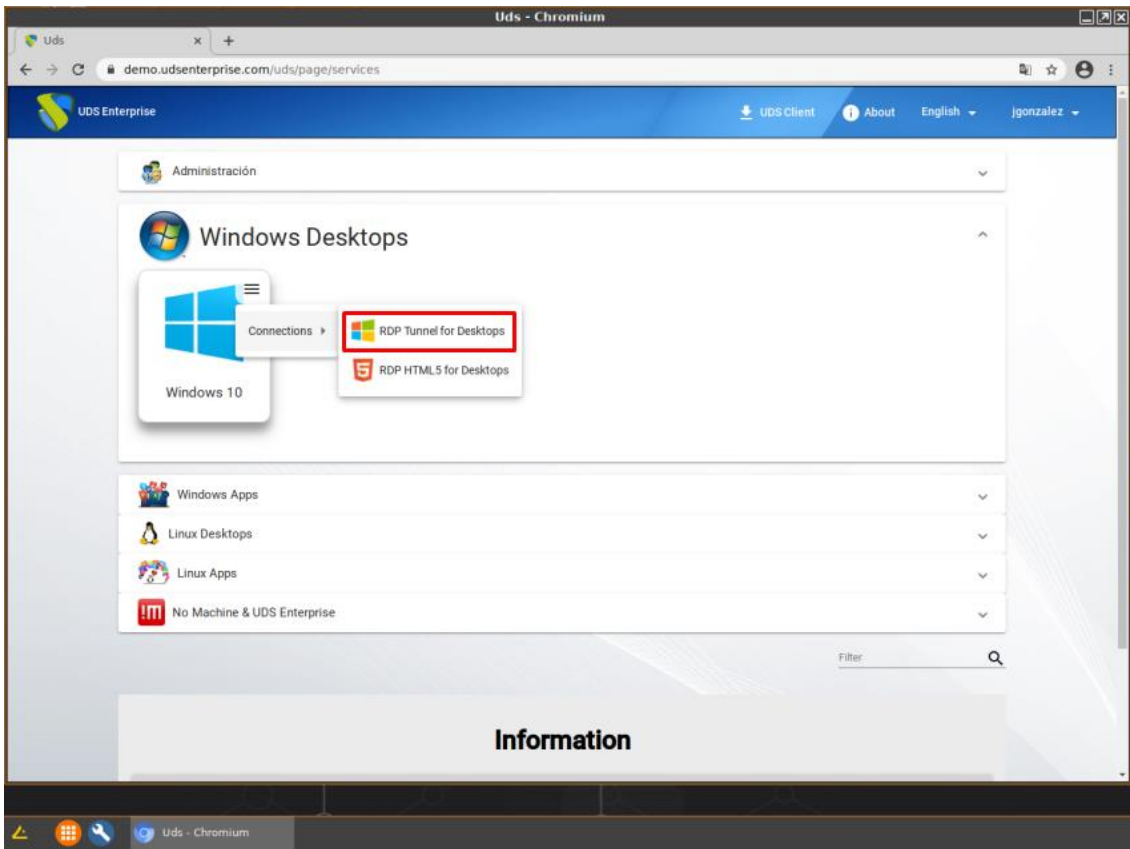
Additionally, in certain types of connections it will be necessary to optimize the connection through the FreeRDP client, for example, in video and audio playback.

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:

## Edit Transport

| < | Display | Linux Client | Mac OS X | > |
|---|---------|--------------|----------|---|

Multimedia sync

⬤◯ No

Use Alsa

⬤◯ No

Printer string

If printer is checked, the printer string used with xfreerdp client

Smartcard string

If smartcard is checked, the smartcard string used with xfreerdp client

Custom parameters

/gfx:rfx

Discard & close     Save

## About Virtual Cable

Virtual Cable is a company specialized in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. Its team of experts has designed **VDI** solutions 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. Every day, **millions of Windows and Linux virtual desktops are deployed with UDS Enterprise around the world**.