

### 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:

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Server - 192.168.11.121	/Devices/Lab/ITC00E0C5222D90	
<ul> <li>IGEL Universal Management Suite 6</li> <li>Profiles (0)</li> <li>Master Profiles (0)</li> </ul>	ITC00E0C5222D90	
<ul> <li>X Template Keys and Groups (0)</li> <li>Firmware Customizations (0)</li> <li>Review (4)</li> </ul>	System Information	Value
Devices (1)     The Lab (1)     Devices (1)     Devices (1)     Devices (1)	Name Site Comment Department	ITC00E0C5222D90
Mobile Devices (0) Shared Workplace Users Views (0)	Cost Center Asset ID In-Service Date Serial Number	
💱 Jobs (0) 📑 Files (0)	<ul> <li>Advanced System Information</li> </ul>	
Universal Firmware Update (1)	Attribute	Value
Search History (0)  Recycle Bin (6)	Unit ID MAC address Last IP Product Product ID Version Firmware Description IGEL Cloud Gateway Expiration date of OS 10 maintenan Last contact	00E0C5222D90 00:E0:C5:22:2D:90 192:168:11.231 IGEL OS 11 UD3-LX 51 11.05:120:01
UMS Administration	Network Name (at Boot Time)	ITC00E0C5222D90



# UDS Enterprise UDS Client Installation in IGEL Thin Clients

#### **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/IGEL/3.5/udsclient3-3.5.0-igel.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).

🏰 udsclient3-3.5.0-igel.zip	117.008 KB
🚾 UDSClient.tar.bz2	117.008 KB
UDSClient.inf	1 KB
UDSClient-Profile.xml	7 KB

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





# UDS Enterprise UDS Client Installation in IGEL Thin Clients

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:

New file         File source         Upload local file to UMS server         Local file       C:\Users\Administrador.WIN-0IK72G8BD2V\Desktop\UDSClient.inf         Upload location (URL)       https:// <server.port>/ums_filetransfer         Select file from UMS server       I         File location (URL)       Telestop         File target       I         Classification       Undefined         Devices file location       I         Access rights      </server.port>		
New file   File source   Upload local file to UMS server   Local file   C:\Users\Administrador.WIN-0IK72G8BD2V\Desktop\UDSClient.inf   Upload location (URL)   https:// <server.port>/ums_filetransfer   Select file from UMS server   File location (URL)   File target   Classification   Undefined   Devices file location   Access rights   Read Write Execute   Owner   Others</server.port>		
L	ocal file	C:\Users\Administrador.WIN-0IK72G8BD2\\Desktop\UDSClient.inf
U	pload location (URL)	https:// <server:port>/ums_filetransfer</server:port>
🔿 Sel	lect file from UMS serve	ər
New file     File source     Upload local file to UMS server     Local file     C:USers\Administrador.WIN-0IK72G8BD2\Desktop\UDSClient.inf     Upload location (URL)   https://server.port>/ums_filetransfer     Upload location (URL)     File target     Classification   Undefined   Devices file location     Access rights   Read Write   Execute   Owner   Owner   User     Qk   Cancel		
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Once the file is uploaded, repeat the process with the other file:

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Server - 192.168.11.121	/Files/UDS		
🔻 🔼 IGEL Universal Management Suite	Name	Download URL	Client path
Profiles (0)	🖺 UDSClient.inf	https:// <server:port>/ums_filetransfer/UDSClient.inf</server:port>	
🎢 Master Profiles (0)	📋 UDSClient.tar.bz2	https:// <server:port>/ums_filetransfer/UDSClient.tar.bz2</server:port>	
<ul> <li>X Template Keys and Groups (0)</li> </ul>			
📕 Firmware Customizations (0)			
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ITC00E0C5222D90			
🍊 Mobile Devices (0)			
💄 Shared Workplace Users			
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UDSClient.inf			
UDSClient.tar.bz2			
Universal Firmware Update (1)			



# UDS Enterprise UDS Client Installation in IGEL Thin Clients

#### 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 igeludsclient35.zip file downloaded earlier.

In the UMS server, go to the "System" section and in the options menu select "ImportProfiles":

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Import Export Administrator accounts Logging	<ul> <li>Import Firmwares</li> <li>Import Profiles</li> <li>Import Template Keys and Groups</li> <li>Import Firmware Customizations</li> </ul>
<ul> <li>Universal Customization Builder</li> <li>VNC Viewer</li> <li>Exit</li> </ul>	Import Directories Import Devices Import Devices as Profiles

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

Open				×
Look <u>I</u> n:	udsclient3-3.5.0-igel	<b>^</b>	*	
UDSClier	t-Profile.xml			
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			Open	Cancel



Accept to proceed with the import of the new profile:



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

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Server - 192.168.11.121	/Profiles/UDSClient	
<ul> <li>IGEL Universal Management Suite</li> <li>Profiles (1)</li> </ul>	Name UDSClient	
R UDSClient	Description	
<ul> <li>Master Profiles (0)</li> <li>Template Keys and Groups (0)</li> <li>Firmware Customizations (0)</li> </ul>	Based on IGEL OS 11 11.0	05.120.01
V 🖵 Devices (1)	Profile ID 1206	
📮 ITC00E0C5222D90	Expert mode	
🍊 Mobile Devices (0)	Template Key Relation	
🙎 Shared Workplace Users		



Edit the imported profile to make the necessary modifications:

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

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Configuration		Partitions Data So	ırces	-	1 🛛 🖊 🖸
Sessions	•	Automatic Update	URL		
Accessories	•	NO	https://[UMSSERVER]	j:8443/ums_filetra	anster/UDSClient.int
User Interface	•				
Network	•				
Devices	•				
Security	•				
System	•				
<ul> <li>Time and Date</li> <li>Update</li> <li>Remote management</li> <li>Remote Access</li> <li>Remote Syslog</li> <li>Power Options</li> <li>Firmware Customization</li> <li>Custom Partition</li> <li>Partition</li> <li>Download</li> <li>Custom Application</li> </ul>	0				

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

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URL	ຊ 🔏	https://[UMSSERVER]:8443/ums_filetransf
User name	2 🖄	[USERNAME]
Password	ຊ 🙏	*****
Initial action	2 🔏	/UDSClient/init.sh
Final action	2 🖄	
		<u>Q</u> k Cancel



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 example:



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".

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	ns ► Chromium Browser ► Chromium Sessions ► Chromium browser	
Configuration	Session name	χ UDS
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Chromium Browser Globs Chromium Beassons Settings Settings Desktop integration Media Player UoIP Client Teradic PCoIP Client WVD Search VIP	Autostart	
		Apply and send to device Save Cancel



**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).

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UDSClient	Description	
<ul> <li>Master Profiles (0)</li> <li>X Template Keys and Groups (0)</li> </ul>	Based on IGEL OS 11 11.05.120.01	
<ul> <li>Firmware Customizations (0)</li> <li>Devices (1)</li> </ul>	Profile ID 1206	
TC00E0C5222D90	► Expert mode	
4 Mobile Devices (0) Shared Workplace Users Views (0)	Template Key Relation	



#### **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).



# UDS Client Installation in IGEL Thin Clients

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J	Launching service Please wait until the service is launched.			
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s	Launching service Please wait until the service is launched. Remember that you will need the UDS client on your platform to access the service.			



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:





## About Virtual Cable

Virtual Cable develops and commercializes UDS Enterprise through a subscription system based on the number of users, including support and updates.

The Virtual Cable team has over 30 years expertise in IT and software development and more than 15 years expertise in virtualization technologies. Millions Windows and Linux virtual desktops are deployed everyday worldwide with UDS Enterprise.

For more information, visit <u>www.udsenterprise.com</u> or email us at info@udsenterprise.com