



## IGEL UMS Web App



The IGEL Universal Management Suite (UMS) Web App is a web-based user interface to the UMS Server. The installation of the UMS Web App is handled via the UMS installer, see [IGEL UMS Installation](#).

- ⚠** The UMS Web App can currently be used only in addition to the Java-based UMS Console. Some features are currently available only in the UMS Web App, others only in the UMS Console; see the feature matrix under [Overview of the IGEL UMS](#).  
The range of functions available in the UMS Web App will constantly be expanded.  
All features that are already available in the UMS Web App are fully supported.

The main features of the UMS Web App include:

- managing device configuration and creating profiles
- shadowing of devices and various device commands (power control, update, sending/receiving settings, reset to factory defaults, etc.)
- assigning objects to devices and device directories
- importing and managing IGEL OS Apps and their versions
- monitoring the status of the UMS network
- configurable search functionality
- logging of actions

- ⓘ** If you would like to learn more about how to use the UMS Web App in the IGEL COSMOS, you can read our guide, [How to Start with IGEL COSMOS](#), or take a look at the IGEL Certified Professional (ICP) for COSMOS IGEL Academy Course:  
[https://learn.igel.com/learn/lp/31/igel-certified-professional-for-cosmos-certification-path?generated\\_by=23558&hash=f146897d788d92d5b818d44ebb66410d4d6ddf5b](https://learn.igel.com/learn/lp/31/igel-certified-professional-for-cosmos-certification-path?generated_by=23558&hash=f146897d788d92d5b818d44ebb66410d4d6ddf5b)<sup>1</sup>

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<sup>1</sup>[https://learn.igel.com/learn/lp/31/igel-certified-professional-for-cosmos-certification-path?generated\\_by=23558&hash=f146897d788d92d5b818d44ebb66410d4d6ddf5b](https://learn.igel.com/learn/lp/31/igel-certified-professional-for-cosmos-certification-path?generated_by=23558&hash=f146897d788d92d5b818d44ebb66410d4d6ddf5b)



## Important Information for the IGEL UMS Web App

Take notice of the following information regarding the IGEL Universal Management Suite (UMS) Web App.

### Supported Environment

- The minimal supported resolution is 768 px.  
If you want to use the UMS Web App on mobile devices, note that the min. supported width for the responsive design is 768 px.
- For RAM and disk space requirements, see Installation Requirements for the IGEL UMS.

### Installation

- In the case of a High Availability or Distributed UMS environment:
  - The UMS Web App does not necessarily have to be installed on every UMS Server. If you choose, however, to install the application on several UMS Servers, you can use it on all of them. The data will be synchronized.
  - The UMS Console and the UMS Web App can be installed on different servers.

### Login

- The login data of the database user are not accepted for the UMS Web App. For how to log in to the UMS Web App, see [How to Log In to the IGEL UMS Web App](#)(see page 5).

### Permissions

- The UMS Web App and the UMS Console share the same permissions. For detailed information on access rights in the IGEL UMS, see Create Administrator Accounts.
- There are some permissions only applicable to the UMS Web App – **Delete Log Messages**, **Device Bulk Action**, and **App Management**. They can be set in the UMS Console under **System > Administrator accounts > New / Edit > General - WebApp**.
- Read permissions to a directory enable access to devices in this directory; permissions only to devices are not sufficient.
- For the assignment of apps (exception: IGEL OS Base System), you require the same permissions as for the assignment of profiles to devices, see Assignment of Objects. This is due to the fact that non-base-system apps are automatically assigned to devices via profiles that configure these apps (so-called implicit app assignment).
- For the assignment of the IGEL OS Base System, the permission **Assign Base System / Firmware Update** is required (set under **UMS Console > Devices > [context menu of the device / device directory] > Access Control**).
- The following permissions are required:
  - Rights for the node **Server Network Settings** under **UMS Console > UMS Administration > Global Configuration** for the access to
    - **UMS Web App > Apps > Settings > App Portal**



- **UMS Web App > Apps > Settings > Automatic Updates**
- **UMS Web App > Network > Settings > Network > UMS Network Nickname**
- Rights for the node **UMS Features** under **UMS Console > UMS Administration > Global Configuration** for the access to
  - **UMS Web App > Apps > Settings > UMS as an Update Proxy**
  - **UMS Web App > Network > Settings > UMS Features**

## Synchronization between the UMS Console and the UMS Web App

- The UMS Web App and the UMS Console share the same database, user rights, and certificates.
- Changes made in the UMS Console are immediately available in the UMS Web App, and vice versa.
- Changes made in the UMS Console are searchable not immediately, but after the next reindexing, which is executed every hour.
- Changes to profile settings made in the UMS Console as well as settings for the newly created profiles are displayed in the UMS Web App under **Configuration > [Profile name] > Activated Settings** not immediately, but after the next reindexing: this reindexing is executed with a one-day interval.

## Logging

- Not all actions performed in the UMS Console are displayed in the UMS Web App. Logs of the UMS Web App are not displayed in the UMS Console.
- Log files for the UMS Web App can also be found in `/rmguiserver/logs/wums*`

## Certificate

- By default, browsers do not accept the self-signed certificate used by the UMS Server and display a security warning. For how to solve the problem, see UMS Web App: The Browser Displays a Security Warning (Certificate Error).

## Bulk Actions

- The simultaneous selection of several devices or directories is currently not possible. If you want to execute bulk commands, you can do it now only by selecting an individual directory.



## How to Log In to the IGEL UMS Web App

The following article describes how you can open the IGEL Universal Management Suite (UMS) Web App and which credentials you can use to log in. For a short overview of the UMS Web App, see [IGEL UMS Web App](#)(see page 2).

### How to Access the IGEL UMS Web App

To open the IGEL UMS Web App:

- ▶ In the web browser, open the URL `https://<server>:8443/webapp/#/login`.<sup>2</sup>

**⚠** "8443" is the default GUI server port, see "GUI server port" under Settings - Change Server Settings in the IGEL UMS Administrator. For detailed information on the UMS ports, see [IGEL UMS Communication Ports](#). If you have changed the GUI server port, adjust the URL accordingly.

OR

- ▶ In the symbol bar of the UMS Console, click the icon .

### Login Data for the IGEL UMS Web App

To log in to the IGEL UMS Web App, you can use:

- The credentials of the UMS superuser, which can be changed in the **UMS Administrator > Datasource > UMS superuser**. See [Changing the UMS Superuser](#).
- The additionally created administrator account, which can be added in the **UMS Console > System > Administrator accounts**. See [Create Administrator Accounts](#).

**⚠** The login data of the database user are not accepted for the UMS Web App.

- i** UMS Web App implements login brute-force protection:
- After several failed login attempts, the user account will be temporarily blocked. This includes also accounts that do not exist.
  - To prevent probing, dynamic login delay (milliseconds) is implemented. This is required since the response time could be an indicator of the (non-)existence of an account.

<sup>2</sup> <https://localhost:8443/webapp>.

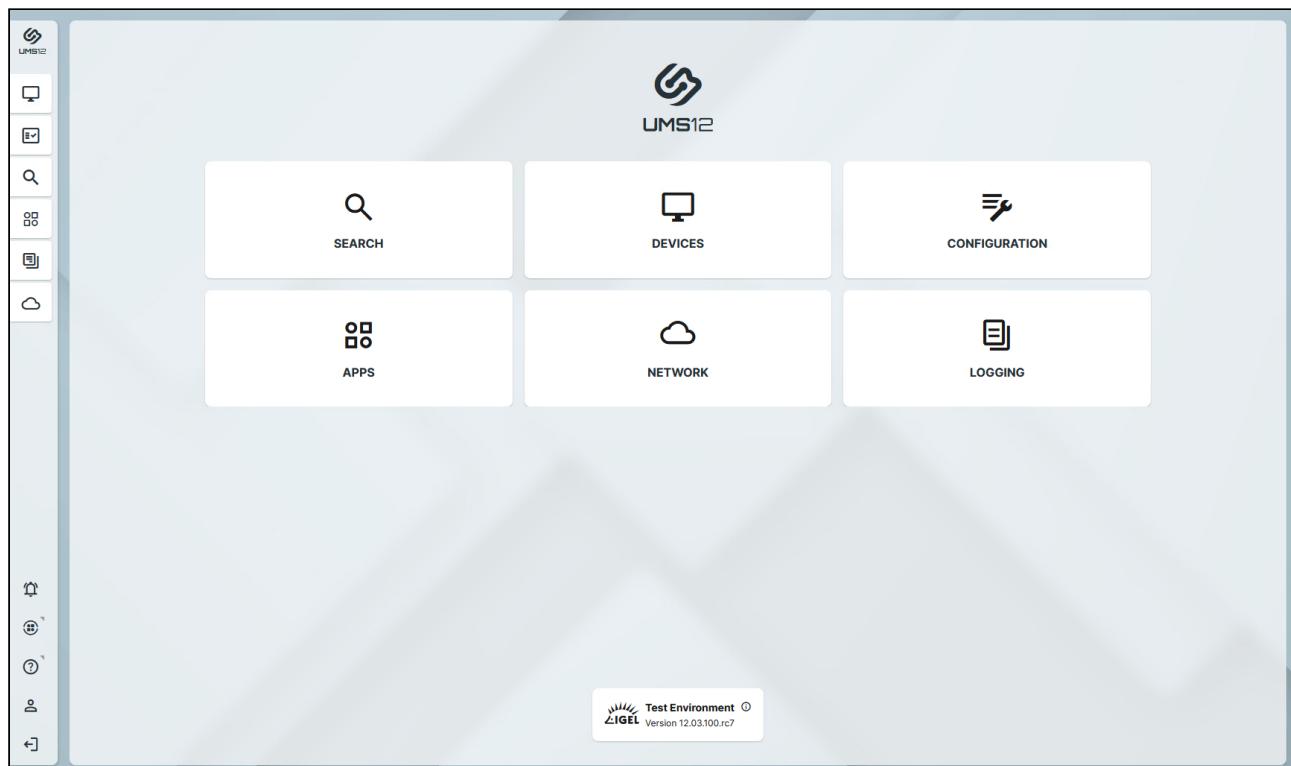


## IGEL UMS Web APP User Interface

The following article describes the user interface of the IGEL Universal Management Suite (UMS) Web App that is introduced with the IGEL UMS version 12.03.100.

**i** You can also find information about the new user interface in the [IGEL Community video](#)(see page 9).

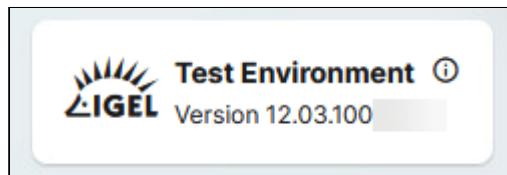
### Home Page



- Click the tiles or the corresponding sidebar buttons to go to an area. For more Information on each area, see:
- [Devices - View and Manage Your Endpoint Devices in the IGEL UMS Web App](#)(see page 15)
  - [Configuration - Centralized Management of Device Settings in the IGEL UMS Web App](#)(see page 43)
  - [Apps - Import and Configure Apps for IGEL OS 12 Devices via the UMS Web App](#)(see page 71)
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  - [Search for Devices in the IGEL UMS Web App](#)(see page 10)



## System Info Box



The info box at the bottom of the home page shows version information on your IGEL UMS. If specified, the nickname of your UMS is also displayed here; see [Network Settings in the IGEL UMS Web App](#)(see page 114). The same info box is also displayed on most of the tabs.

- ▶ Click to view further details.

## Sidebar Buttons

UMS12	Takes you back to the home page.
	<p>Under <b>Messages</b>, you can view the current state and the results of the device commands and of other actions such as the import of IGEL OS Apps, etc.</p> <p> The messages are automatically deleted at the reloading of the UMS Web App page in the browser.</p> <ul style="list-style-type: none"><li>▶ Click a message to view details.<ul style="list-style-type: none"><li>A successfully executed command is marked with .</li><li>A failed command is marked with a warning symbol .</li><li>A partially failed command is marked with a warning symbol .</li></ul></li></ul>
	Direct link to the IGEL App Portal. The link opens in a new browser tab.
	Direct link to the UMS Web App documentation on <a href="http://kb.igel.com">kb.igel.com</a> <sup>3</sup> . The link opens in a new browser tab.

<sup>3</sup> <http://kb.igel.com/>



	Under <b>Customize</b> , you can set the language of the IGEL UMS Web App, and change the Appearance to <b>Dark Mode</b> or <b>Light Mode</b> .
	Logout from the UMS Web App

## Layout

In the **Devices**, **Configuration**, **Search** and **Apps** areas, the interface is organized into a horizontal layout where the window is divided into several panels.

The screenshot shows a horizontal layout with three main panels. On the far left is the 'Configuration Objects' panel, which contains a sidebar with icons for Devices, Configuration, Search, and Apps, and a main area showing 'Profiles' (12/14) and 'Files' (3/5). In the middle is the 'Profiles' panel, which displays a list of items: 'Base 12.2', 'Chromium Teams Cookies', 'Chromium Teams Cookies 2', and 'Citrix session'. On the right is the 'Properties' panel, which shows the properties for the selected item ('Base 12.2'), including 'Name' (Profiles), 'Number of contained profiles' (14), and 'Directory Path' (Profiles).

Generally, the information displayed on the panels and the functions follow a left to right logic. That means, you will find:

- structuring on the left,
- list of items to be managed in the middle,
- detailed information and item management on the right.

When the browser window gets resized, and there is not enough space to display all the panels next to each other, you can use arrows to switch between the panels:

This screenshot shows the same horizontal layout as above, but the 'Properties' panel is no longer visible. Instead, the 'Profiles' panel has been moved to the right side of the screen. A red box highlights the right arrow icon in the 'Profiles' panel header, indicating that it can be clicked to move the panel back to its original position.

A screenshot of the IGEL UMS Web APP User Interface. The left sidebar contains icons for Home, Overview, Devices, Groups, Reports, and Help. The main content area shows a "Profiles" folder with the following details:

- Name: Profiles
- Number of contained profiles: 15
- Directory Path: /Profiles

A red box highlights the back arrow icon in the top-left corner of the main content area.

## IGEL Community Video - New User Interface

A message box containing a warning icon (a circle with curly braces and an exclamation mark) and text: "Sorry, the widget is not supported in this export. But you can reach it using the following URL: https://www.youtube.com/watch?v=rhx98Af6Bxs".



## Search for Devices in the IGEL UMS Web App

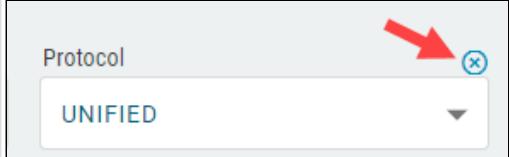
In the **Search** area of the IGEL Universal Management Suite (UMS) Web App, you can search for devices according to the configured criteria.

The **Search** feature of the UMS Web App is a successor to views in the UMS Console. It does not currently include all the criteria that are available for views but the range of the criteria will constantly be expanded.

Menu path: **UMS Web App > Search**

1	List of searches	<p>You can find here the list of all searches that you saved using the <b>Save new Search</b> button.</p> <p>The <b>All devices</b> list shows all the devices registered in the UMS with no values specified for the filters.</p> <ul style="list-style-type: none"> <li>▶ To rename a search, click  , enter a new name and press [Enter] .</li> <li>▶ To delete a search, click  . Searches are removed permanently, i.e. without being placed into the recycle bin.</li> <li>▶ To collapse the list, click  .</li> </ul>
2	Filter	<p>Shows all filter fields that you added via the <b>Add Filter</b> button.</p> <ul style="list-style-type: none"> <li>▶ To add a filter field, click <b>Add Filter</b>. For more details, see <a href="#">How to Add a Search Criterion</a>(see page 12).</li> </ul>



		<p><b>Info</b> Currently, the number of criteria that you can add via the <b>Add Filter</b> button is limited. You can use more search criteria in the <b>Query</b> field.</p> <p>► To remove a filter field, click</p> 
3	Advanced search	<p>The <b>Advanced search</b> toggle button adds the <b>Query</b> field that you can use for complex searches.</p> <p>The main features of the query:</p> <ul style="list-style-type: none"> <li>• SQL-like query language</li> <li>• Autocompletion</li> <li>• Can be copied and pasted</li> </ul> <p>For details, see <a href="#">How to Use Advanced Search for Complex Queries</a>(see page 13).</p>
4	Search results	<p>Lists the devices that fulfill the specified search criteria. Clicking a device name opens a new browser tab showing the information on this device, see <a href="#">Devices - View and Manage Your Endpoint Devices in the IGEL UMS Web App</a>(see page 15).</p> <p>To manage the list, you have the following options:</p> <ul style="list-style-type: none"> <li>• Add/remove columns through <b>Select columns</b></li> <li>• Set paging for the navigation</li> <li>• Define the number of devices to be displayed on one page</li> </ul>
5	Save search	<p>Clicking the <b>Save new Search</b> button saves your current search so that you can access it via the list of searches.</p> <p>Clicking the <b>Save Changes</b> icon saves the changes you made in the already saved search.</p>
6	Export search results	<p>Clicking the <b>Export results</b> button opens an <b>Export results</b> dialog, where the parameters and delimiters for the CSV export file can be configured.</p> <p>Columns that are selected under <b>Select columns</b> in the search results area are automatically included in the export file if not disabled manually in this dialog.</p>



**Export results**

Select All

<input checked="" type="checkbox"/> Name	<input type="checkbox"/> Unit ID
<input type="checkbox"/> Product	<input type="checkbox"/> Product ID
<input type="checkbox"/> Version	<input type="checkbox"/> Last IP
<input type="checkbox"/> Site	<input type="checkbox"/> Department
<input type="checkbox"/> Cost Center	<input type="checkbox"/> Asset ID
<input type="checkbox"/> Comment	<input type="checkbox"/> In-Service Date
<input type="checkbox"/> MAC Address	<input type="checkbox"/> Firmware Description

Delimiter

File name

## How to Add a Search Criterion

1. Click **Add Filter** and select the required search criterion. To narrow down the list of criteria, start typing the name of the criterion in the **Search** field:



The screenshot shows a search interface with a 'Search' bar at the top. Below it is a dropdown menu titled '3 of 3' containing four filter options: 'Macaddress', 'Last Boot Time', 'OS Type', and 'Protocol'. The 'Protocol' option is highlighted with a red box and has a red arrow pointing to its checkbox.

- Depending on the criterion, select the value from the dropdown list or type it in the field.

The screenshot shows two dropdown menus. The first dropdown is labeled 'Protocol' with options 'UNIFIED' (selected) and 'LOCAL'. The second dropdown is labeled 'Department' with the value 'TechDoc' typed in. Both dropdowns have red arrows pointing to their respective selection areas.

The list of search results automatically updates based on your selection or the value you type.

## How to Use the Advanced Search for Complex Queries

Advanced search uses autocomplete that also works when a criterion / operator / value is entered only partially. It will then only show items matching the already entered fragment.

To use the advanced search:



A screenshot of the IGEL UMS Web App search interface. At the top, there are filter options: 'Contains Text' (with a dropdown for 'search string'), 'BIOS Version', 'Product ID', 'Unit ID', and a '+ Add Filter' button. Below these are buttons for 'All devices' and 'Save new Search'. On the right side, there are 'Export results' and 'Select columns' buttons. A red box highlights the 'Query' section. Inside this section, a green 'Query' toggle button is selected. To its right is a dropdown menu with the value 'protocol ='. Below this dropdown, two options are listed: "'LOCAL'" and "'UNIFIED'". A blue 'Search' button is located at the bottom right of the query area.

1. Activate the **Query** using the **Advanced search** toggle button.
2. Click in the query field.  
The list of available criterion is displayed.
3. Select the required criterion from the list.  
Based on the selected criterion, the list of available operators is displayed.
4. Select the required operator.  
Based on the selected operator, the list of available values is displayed.
5. Select the value.
6. To define further criteria, select the logical operator AND or OR.
7. After the query is complete, press [Enter] or click **Search**.  
The list of search results updates.  
If there is an error in the query, an error message is displayed explaining the problem.



## Devices - View and Manage Your Endpoint Devices in the IGEL UMS Web App

In the **Devices** area of the IGEL Universal Management Suite (UMS) Web App, you can manage devices registered on the UMS Server. All devices registered on the UMS Server are shown.

- Device changes made in the UMS Console are immediately available in the UMS Web App, and vice versa.

Menu path: **UMS Web App > Devices**

You can structure the **Devices** area by creating directories and subdirectories. When doing so, you should bear in mind that each device can only be stored in a single directory.

- Avoid placing too many devices in one folder. If the user interface feels sluggish, refer to the tips regarding the folder structure under Performance Optimizations in IGEL UMS.

Directory Level:

The screenshot displays three main sections of the IGEL UMS Web App:

- Left Panel (1):** Shows the "Directory Tree" with a tree structure: "Devices" > "Augsburg" > "techdoc". The "techdoc" folder is selected.
- Middle Panel (2):** Shows the contents of the "techdoc" folder. It lists three devices: "ITC001" (with serial 00, IP 11.09.100.rc9.01, and MAC # 192.168), "ITC002" (with serial 00, IP 12.2.0, and MAC # 192.168), and "Test-001-hs" (with serial 00, IP 12.1.120+1, and MAC # 192.168). There are "Previous page" and "Next page" buttons at the bottom.
- Right Panel (3A):** Shows the properties of the "techdoc" folder. It displays the name "techdoc", the number of contained devices (3), and the directory path "Devices / Augsburg / techdoc".
- Bottom Right Panel (3B):** Shows the "Assigned Objects" section, which lists a "Chromium Browser" object assigned to the "techdoc" folder.

Device Level:



The screenshot illustrates the IGEL UMS Web App interface with three main panels:

- Panel 1 (Left): Directory Tree** shows the hierarchical structure of directories. The current path is "techdoc". It displays three devices: "ITC00" (version 11.09.100.rc9.01), "ITC00" (version 12.2.0), and "Test-005" (version 12.1.120+1). A red number "1" is overlaid on the top-left corner of this panel.
- Panel 2 (Middle): Device list** shows the details for the selected device "ITC00" under "techdoc". It lists properties like Name, Unit ID, MAC Address, Last IP, Product, Product ID, Version, and Connected to. A red number "2" is overlaid on the center of this panel.
- Panel 3 (Right): Device Properties** provides a detailed view of the selected device "ITC00". It includes sections for Properties (Name, Unit ID, MAC Address, Last IP, Product, Product ID, Version, Connected to, Directory path), Custom Properties (No Custom Properties set), Assigned Objects, System Information (Unit ID, MAC Address, Last IP), Licenses, and Network Adapter. Red numbers "3B" and "3B" are overlaid on the top-right and bottom-right corners of this panel respectively.

1	Directory Tree	<p>Shows all created directories and subdirectories. The format (x/y) specifies 1) the number of devices contained directly in the directory and 2) the total number of devices in the directory &amp; all subdirectories of this directory.</p> <ul style="list-style-type: none"> <li>• <a href="#">Creating a Directory Structure in the IGEL UMS Web App</a>(see page 24)</li> <li>• <a href="#">Renaming a Directory in the IGEL UMS Web App</a>(see page 28)</li> <li>• <a href="#">Deleting a Directory in the IGEL UMS Web App</a>(see page 29)</li> <li>• <a href="#">Moving a Device Directory</a>(see page 27)</li> <li>• <a href="#">Copying a Device Directory in the IGEL UMS Web App</a>(see page 26)</li> <li>• <a href="#">Moving Devices in the IGEL UMS Web App</a>(see page 25)</li> <li>• <a href="#">Scanning the Network for Devices and Registering Devices on the IGEL UMS</a></li> </ul>
2	Device list	<p>Shows all devices directly contained in the directory selected in the <b>Directory Tree</b>.</p> <ul style="list-style-type: none"> <li>• <a href="#">Paging for the navigation in the device list</a></li> <li>• <a href="#">Defining the number of devices to be displayed on one page</a></li> </ul>



		<ul style="list-style-type: none"> <li>Filtering devices by <b>Name, Product ID, Unit ID, Version, and IP Address</b></li> <li>Sorting devices by <b>Name, Product ID, Unit ID, Version, and IP Address</b></li> <li>Right-click on the device opens a context menu.</li> </ul>
3A	Directory information	<p>Details for the directory selected in the <b>Directory Tree</b></p> <p><b>[Directory Name]:</b> The name of the selected directory</p> <p><b>Properties:</b> Properties of the selected directory, e.g. the full <b>Directory Path, Number of contained devices</b></p> <p><b>Assigned Objects:</b> Directly and indirectly assigned objects, e.g. profiles, files, firmware updates, etc. For details, see <a href="#">Assigning Objects in the IGEL UMS Web App</a>(see page 30).</p>
3B	Device information	<p>Details for the device selected in the device list</p> <p><b>Status display:</b> The status of the selected device. For icons showing the device's status, see "<a href="#">Status Displays</a>(see page 20)" below.</p> <p><b>[Device Name]:</b> The name of the selected device. It does not need to be identical to the name of the device in the network. The name of a device does not need to be unique and can be used a number of times.</p> <p>To rename the device, click  , type a new name, and press [Enter]. For other renaming options, see <a href="#">Renaming IGEL OS Devices</a>.</p> <p><b>Properties:</b> Properties of the selected device, e.g. <b>Last IP, MAC Address, Unit ID, Last Contact</b>, etc.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> The unit ID serves as a unique identifier of an endpoint device in the UMS. With IGEL devices, IGEL zero clients, devices converted with the IGEL UDC/OSC, and devices with the IGEL UMA, the</p> </div>



unit ID is set to the MAC address of the device. If the device is a UD Pocket, the unit ID is set to the serial number (without spaces and special characters), preceded by the prefix consisting of the USB vendor and product ID.

**[Directory Path]:** Full directory path for the selected device

**Custom Properties:** Allows changing such customizable properties as **Site**, **Department**, device attributes. To

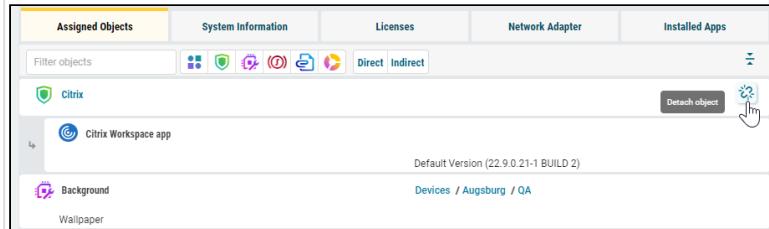
edit the properties, click .

#### **Custom Device Attributes**

Device attributes are currently configured only in the UMS Console under **UMS Administration > Global Configuration > Device Attributes**.

Whether you can change the values for the device attributes via the UMS Web App depends on your configuration of the **Global Overwrite Rule** and/or **Overwrite Rule** for a specific device attribute, see Managing Device Attributes for IGEL OS Devices.

**Assigned Objects:** Directly and indirectly assigned objects, e.g. profiles, apps, files, etc. For details, see [Assigning Objects in the IGEL UMS Web App](#)(see page 30).



The screenshot shows the IGEL UMS Web App interface with the 'Assigned Objects' tab selected. The top navigation bar includes tabs for 'Assigned Objects', 'System Information', 'Licenses', 'Network Adapter', and 'Installed Apps'. Below the navigation bar is a toolbar with icons for 'Filter objects' and various system status indicators. The main content area displays a list of assigned objects. The first item is 'Citrix', which is a 'Citrix Workspace app'. The second item is 'Background', which is a 'Wallpaper'. At the bottom right of the list, there is a note: 'Default Version (22.9.0.21-1 BUILD 2)' and 'Devices / Augsburg / QA'. A 'Detach object' button is located in the top right corner of the list area.



**System Information:** Shows such properties as **CPU Type, Memory Size, Device Type**, etc. To copy a property's value, click .

Assigned Objects	System Information	Licenses	Network Adapter	Installed Apps
	Onboarded by Directory Path Devices / Augsburg / QA			
	Unit ID 85641000G585630070			
	MAC Address 00E0C50B3CA2			
	Last IP			
	Product IGEL OS			
				 Copy to Clipboard

 The following sections are displayed only if there are data available for the section.

**Licenses:** Details on the licenses for the selected device. To copy a value, click .

Assigned Objects	System Information	Licenses	Network Adapter
		Workspace Edition Licensed until 4/15/23	
		Enterprise Management Pack Licensed until 4/15/23	
		Workspace Edition Add-on 90meter Not licensed	
		Workspace Edition Add-on Ericom PowerTerm Not licensed	

**Network Adapter:** Displays information about all available network adapters of a device. The section is available for devices with IGEL OS 11.07.100 or higher. For details, see the section "Network Adapters" under View Device Information in the IGEL UMS.

Assigned Objects	System Information	Licenses	Network Adapter	Installed Apps
 enp1s0			MAC Address 00E0C50B3CA2	Type LAN
 wlan0			MAC Address 84144DABFE87	Type WLAN

**Installed Apps:** Shows all apps present on the IGEL OS 12 device, their status and time when the device delivers the message about the app status. For details, see [Checking Installed Apps via the IGEL UMS Web App](#)(see page 84).



Assigned Objects	System Information	Licenses	Network Adapter	Installed Apps
IGEL OS Base System (12.01.120 BUILD 1)	Installed			Jul 24, 2023, 7:10:22 PM
Chromium Browser (112.0.5615.165 BUILD 1)	Installed			Jul 24, 2023, 7:10:22 PM

**User Login History:** Shows up to 10 last user logins if the logging is enabled. For details on the logging activation, see the section "User Login History" under View Device Information in the IGEL UMS.

4	Device commands	<p>Device commands, e.g. power control commands, firmware updates, etc., are executed for an individual directory or an individual device. The status of the command execution is shown under <a href="#">Messages</a>(see page 6)  .</p> <p>► Click  to view all available device commands. For details on the device commands, see "<a href="#">Device Commands</a>(see page 21)" below.</p>
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## Status Displays

The UMS monitors the status of the devices by regularly sending UDP packets. In accordance with the preset, this occurs every 3 seconds. For information on how to change the interval for the online check, see Devices.



When the device is connected via IGEL Cloud Gateway (ICG), a cloud symbol icon is added to the device.



The exclamation mark indicates that changes, i.e. new configurations, files, profiles, etc., have not yet been transferred to the device.



ITC005056938D22



## Icons for an IGEL OS Device

The following icons show the status of an IGEL OS device:



	The device is online.
	The device is offline.
	The device is being updated.
	The status of the device is unknown or has not yet been processed.

## Device Commands

The following commands can be executed for an individual device as well as for an individual directory (with the exception of shadowing and configuration editing).

	Allows you to edit configuration parameters for the selected device.  Here, you edit the device setup as you would if you were working at the endpoint device itself.
	Shadowing: Launches a VNC session for the highlighted device if shadowing is enabled for this device, see <a href="#">Shadow</a> .  For details on shadowing in the UMS, see <a href="#">Shadowing - Observe IGEL OS Desktop via VNC</a> and <a href="#">UMS and Thin Clients: Secure Shadowing</a> (see page 15).
	Assigns / detaches an object, e.g. a profile, a file, etc. For details, see <a href="#">Assigning Objects in the IGEL UMS Web App</a> (see page 30).
	Restarts the highlighted device.
	Shuts down the highlighted device.
	Starts the highlighted device via the network (Wake-on-LAN).  For details on configuring Wake-on-LAN in the UMS, see <a href="#">Wake on LAN</a> .
	Puts the highlighted device into suspend mode.
	Reads out the complete last device configuration from the UMS database and sends it to the highlighted device.



<b>Receive settings</b>	Reads the local configuration of the highlighted device, sends it to the UMS, and writes it to the database.
<b>Reset to factory defaults</b>	Resets the highlighted device to the factory defaults; see <a href="#">Resetting a Device to Factory Defaults via the IGEL UMS Web App</a> (see page 37).  For other methods of resetting a device to factory defaults, see <a href="#">Reset to Factory Defaults</a> and <a href="#">Resetting a Device with Unknown Administrator Password</a> .
<b>Update</b>	OS 11: Carries out a firmware update on the highlighted IGEL OS 11 device.  OS 12: Triggers the activation of the assigned app version for the selected IGEL OS 12 devices. The <b>Update</b> command is only needed if <b>System &gt; Update &gt; Activate app after the installation</b> is disabled; see <a href="#">How to Configure the Background App Update in the IGEL UMS Web App</a> (see page 108).
<b>Update on shutdown</b>	Only for OS 11: Updates the firmware when the highlighted IGEL OS 11 device is shut down.
<b>Refresh system information</b>	Refreshes the system information for the highlighted device.
<b>Refresh license information</b>	Refreshes the license information for the highlighted device.
<b>Export as Profile</b>	Exports device settings, see <a href="#">Exporting Device Settings as a Profile in the IGEL UMS Web App</a> (see page 41).
<b>Send message</b>	Sends a message to the highlighted device; see <a href="#">Sending a Message to Devices via the IGEL UMS Web App</a> (see page 35).
<b>Specific Device Commands</b>	Opens a menu of the specific device commands that are available for the folder or device.  Which commands are available depends on the following criteria: <ul style="list-style-type: none"> <li>• The device has IGEL OS 12.3 or higher</li> <li>• An app that supports specific device commands is installed on the device.</li> </ul>



- ⓘ If a user does not have sufficient rights, the command icons are grayed out. For information on permissions in the UMS, see Access Rights.



## Creating a Directory Structure in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can create device directories. You can create as many directories and subdirectories as you want in order to group the devices together.

Menu path: **UMS Web App > Devices**

### General Information

You may freely organize your device structure in the IGEL UMS. Take advantage of this freedom and build well-thought-out, intelligent directory structures. You will need a smart structure, for example, for the automatic rollout when devices will be stored directly in the correct directory and the right configurations (profiles, apps) will be automatically assigned to them.

How deeply you want to structure your tree is up to you. The system allows you to nest directories as deeply as you want.

It would be advisable to arrange the directories referring to your company's structure. You could classify the devices, for example, according to branch offices, departments, or tasks.

When you create sub-directories, the devices organized in it form subgroups of a group.

- ⓘ A device that is unequivocally identified by its MAC address can only be stored in a single directory, i.e. only as a member of a single group.
  
- ⓘ Actions performed at the directory level apply to all subdirectories and devices contained in this directory. Performing actions at the directory level requires certain permissions, see the "Permissions" section under [Important Information for the IGEL UMS Web App](#)(see page 3).

### Creating a Device Directory

To create a directory or subdirectory, proceed as follows:

1. In the **Directory Tree**, select a directory, e.g. "Devices".

2. Click .

3. Enter a name for the new directory.

4. Press [Enter].

The new directory will be displayed below the selected directory in the **Directory Tree**.

You can now move devices to this new directory.



## Moving Devices in the IGEL UMS Web App

Since a device can only be stored in a single directory in the IGEL Universal Management Suite (UMS), you cannot copy devices, but only move them.

- ⚠** If profiles and apps are indirectly assigned to a device or revoked as a result of the device being moved to a different directory, the configuration of the device will change too. Moving an IGEL OS 12 device to another directory can lead to the uninstallation of apps.  
The new configuration can take effect either immediately or when the device is next rebooted.

Menu path: **UMS Web App > Devices**

Devices are moved via drag & drop:

1. In the **Directory Tree**, select a directory that contains the device to be moved.
2. Select the relevant device.
3. Drag the device to the directory required and drop it.  
The **Move device** dialog opens.
4. Select when you want the changes to take effect.
5. Confirm that you wish to move the device by clicking on **Move**.



## Copying a Device Directory in the IGEL UMS Web App

You can copy a device directory and paste it into any directory. Only an empty directory as well as the subdirectories contained in it will be copied; devices cannot be copied.

To copy a device directory, proceed as follows:

1. In the **Directory Tree**, click on the directory that you want to copy.
2. Press [Ctrl + C].
3. Click on the directory in which you would like to paste the copy of the directory.
4. Press [Ctrl + V].
5. Confirm the **Copy directory** dialog.  
A new device directory that has the same name as the original directory will be created. The new directory will contain newly created copies of the subdirectories contained in the original directory.

i You can copy a device directory also via drag & drop while holding down the [Ctrl] key.



## Moving a Device Directory

When moving a device directory to another directory, the directory itself, its subdirectories, and devices contained in them will be moved.

Menu path: **UMS Web App > Devices**

To move a device directory, proceed as follows:

1. In the **Directory Tree**, click on the directory that you want to move.
2. Click [Ctrl + X].
3. Click on the directory in which you would like to move the directory.
4. Click [Ctrl + V].

The **Move directory** dialog opens.

**⚠** If profiles and apps are indirectly assigned to a device or revoked as a result of the device being moved to a different directory, the configuration of the device will change too. Moving an IGEL OS 12 device to another directory can lead to the uninstallation of apps.  
The new configuration can take effect either immediately or when the device is next rebooted.

5. Select when you want the changes to take effect and confirm this by clicking on **Move**.

**i** You can move a directory also by dragging and dropping it to another directory.



## Renaming a Directory in the IGEL UMS Web App

To rename a directory or subdirectory in the IGEL Universal Management Suite (UMS) Web App:

1. Go to the **Directory Tree**.
2. Select a directory you want to rename.
3. Click  .
4. Enter a new name for the directory.
5. Press [Enter].



## Deleting a Directory in the IGEL UMS Web App

Deleting a directory in the IGEL Universal Management Suite (UMS) Web App is only possible if the directory does not contain any devices.

 There is currently NO recycle bin support. If you delete a directory, it will be permanently removed.

To delete a directory, proceed as follows:

1. In the **Directory Tree**, select the directory that is to be deleted.

2. Click .

 If a directory is deleted, all subdirectories contained in it will be deleted too.

3. Confirm the **Delete directory** dialog.



## Assigning Objects in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can assign an object (e.g. file, profile, app, etc.) to a device or device directory.

Menu path: **UMS Web App > Devices**

To assign (or to detach) an object, proceed as follows:

1. In the **UMS Web App > Devices**, select the desired directory / device and click **Assign object**.

It is not possible to assign an object to the root directory "Devices".

2. Select the required object and use the arrow buttons or drag & drop.
3. Decide whether the new settings are to take effect immediately or at the next reboot of the device.



## Assign Object to Device Dialog

Assign Object to Device

ep2

Filter objects

Assignable Objects

IGEL OS Base System

Neues Profil 12

Assignments

Cancel Save and apply on reboot

The screenshot shows the 'Assign Object to Device' dialog. At the top left is the title bar with the dialog name. Below it is a search bar labeled 'ep2' with a red box around it, followed by a 'Filter objects' dropdown and a toolbar with several icons. The main area is divided into two panes: 'Assignable Objects' on the left and 'Assignments' on the right. The 'Assignable Objects' pane contains a list of objects with dropdown menus: 'Zoom Desktop Client' (5.16.0.8131 BUILD 1.0), 'IGEL RemoteDesktop Core' (1.1.90 BUILD 1.0 RC 2), 'IGEL Windows 365' (1.1.91 BUILD 1.0), 'IGEL Remote Desktop' (1.1.27 BUILD 1.0), and 'FabulaTech Webcam for Remote Desktop' (2.8.11 BUILD 1). Between the panes are two large red boxes labeled 2 and 3, indicating the flow of objects from the left pane to the right pane. At the bottom are 'Cancel' and 'Save and apply on reboot' buttons.

1	Name of the directory / device	Name of the directory / device to which the object is assigned
2	Assignable objects	Shows all objects that can be assigned to the directory / device. The following objects can be assigned:



 : Apps (for IGEL OS 12 devices). An app version to be assigned is chosen in the selection list that shows all versions of the selected app available under [Apps](#)(see page 71).



#### **Implicit App Assignment via a Profile**

An app is automatically assigned via a profile configuring this app.

Exception: IGEL OS Base System app

An implicit app assignment is overwritten if you assign an app explicitly, i.e. if you select an app as an object in the **Assign object** dialog.

For more information, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).

 : Profiles. For general information on profiles, see [Profiles in the IGEL UMS](#). See also [Configuration - Centralized Management of Device Settings in the IGEL UMS Web App](#)(see page 43).

 : Priority profiles. For details, see [Priority Profiles in the IGEL UMS](#).

 : Firmware customizations. For details, see [Firmware Customizations in the IGEL UMS](#).

 : Template keys and value groups. For details, see [Template Profiles in the IGEL UMS](#).

 : Files. For details, see [Files - Registering Files on the IGEL UMS Server and Transferring Them to Devices](#).

 : Firmware updates (for IGEL OS 11 devices). For details, see [Universal Firmware Update](#).

3	Assignments	Shows all objects directly assigned to the directory / device.
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4	Filter	Filters the objects under <b>Assignable objects</b> and <b>Assignments</b> according to <ul style="list-style-type: none"> <li>• the selected object type</li> <li>• the entry in the text field</li> </ul>
---	--------	---

The above filter criteria are linked with the operator *AND*.



▶ Click to remove all filters.

## Assigned Objects

Objects can be assigned directly or indirectly:

- Directly assigned objects have been assigned to an individual device or directory.
- Indirectly assigned objects have been "inherited" via the directory structure.

▶ To view all assigned objects, i.e. directly and indirectly assigned objects, select the desired directory / device and go to **Assigned Objects**.

All implicitly assigned apps, i.e. apps assigned to devices via a profile, are displayed directly under this profile.

1	<p>Filters the assigned objects according to</p> <ul style="list-style-type: none"> <li>• the selected object type</li> <li>• the entry in the text field</li> <li>• direct or indirect assignment type</li> </ul> <p>The above filter criteria are linked with the operator <i>AND</i>.</p> <p>▶ Click  to remove all filters.</p>
2	<p>For indirectly assigned objects only: Specifies the path to the directory the object assignment is inherited from.</p>



3	For directly assigned objects only: Detaches the object from the directory / device.
---	--



## Sending a Message to Devices via the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can send a message to IGEL OS 12 devices. Currently, only plain text messages are supported, i.e. simple string messages without formatting and HTML codes.

Sending a message to IGEL OS 11 devices via the UMS Web App is currently not possible. Use the UMS Console, instead; see [Send Message](#).

Menu path: **UMS Web App > Devices > Send message**

- ⓘ To send a message to IGEL OS 12 devices, the following permissions are required:
  - **Read** and **Send Message** (set in the UMS Console via [\[context menu of a device / device directory\] > Access Control](#))
  - **Device Bulk Action** if a message should be sent to multiple devices (set in the UMS Console under [System > Administrator accounts](#))

For general information on rights and permissions, see [Create Administrator Accounts](#).

To send a message:

1. In the **UMS Web App > Devices**, select the required device / device directory and click **Send message**.



2. Type your message. Do not use HTML or other codes.

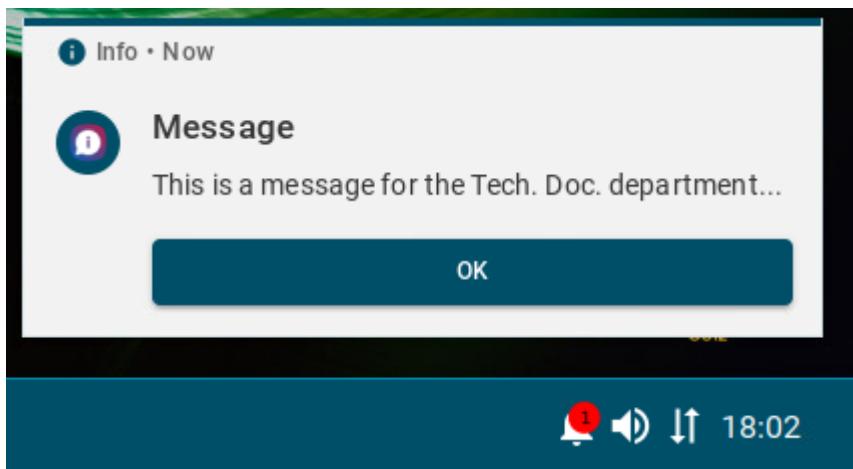
A screenshot of a web-based application window titled "Send message to devices". Inside, there's a "Message Text" input field containing the text "This is a message for the Tech. Doc. department...". Below this, a dropdown menu shows "Send to techdoc (1)" and lists a single device: "ITC0050569356CB" with a monitor icon. At the bottom right are two buttons: "Cancel" and "Send Message", with "Send Message" being highlighted by a red rectangle.

3. Click **Send message**.

Your message will be sent to the devices shown in the list. This device list is read-only, i.e. you cannot select the devices here.

If you have selected the device directory for sending a message, the number of affected devices is shown.

On the device, the message is displayed in a **Message** window, and, if not closed, also in the Notification Center.





## Resetting a Device to Factory Defaults via the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can reset a device to factory defaults. This may be necessary, for example, because of misconfiguration or if the administrator password for IGEL OS has been lost and the local setup is therefore no longer accessible.

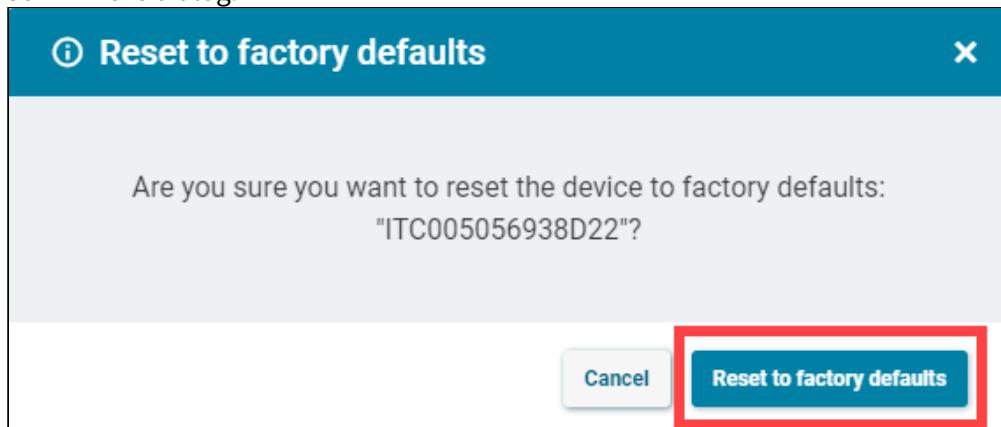
- ⚠ If you select **Reset to factory defaults**, all personal settings on the device (including your password and the sessions you have configured) will be lost and the device will be removed from the UMS. You will have to register your device with the UMS again.**

Menu path: **UMS Web App > Devices > Reset to factory defaults**

To reset a device to factory defaults, proceed as follows:

1. In the **UMS Web App > Devices**, select the required device and click
2. Select **Reset to factory defaults**.

3. Confirm the dialog.





4. Confirm on the device that it can be restarted or wait till the device restarts automatically.

After the reboot, you will see the Setup Assistant and can register your device with the UMS Server anew.



## Remote Access to Devices via Shadowing in the IGEL UMS Web App

You can observe the desktop of an device on your local PC via shadowing with VNC. Shadowing via the UMS Web App and the UMS Console is supported for IGEL OS 12 and OS 11 devices. For more information on shadowing via the UMS Console, see [Shadowing - Observe IGEL OS Desktop via VNC](#).

- i To shadow the device, you will require **Remote access** permission, which can be set in the UMS Console via [\[context menu of the device / device directory\] > Access control](#). See Object-Related Access Rights.

To shadow the IGEL OS 12 device:

1. Create a profile for IGEL OS base system and go to **System > Remote Access > Shadow**. For how to create profiles, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).
2. Enable **Allow remote shadowing** and configure other settings according to your needs.

### i Secure Shadowing and IGEL OS 12

There is no need to enable secure shadowing since shadowing of IGEL OS 12 devices is always via Unified Protocol, i.e. communication is always encrypted. However, you can activate secure shadowing if you want that the devices could be shadowed via the UMS only (internal VNC or external VNC viewer). Shadowing of the devices by another computer is then not possible.

3. Save the settings and assign the profile to the required devices.



4. Under **Devices**, select the device and click **Shadow**.

A screenshot of the IGEL UMS Web App interface. On the left, there's a 'Directory Tree' sidebar with categories like 'Devices (4)', 'Augsburg (2)', 'techdoc (2)', etc. In the main content area, a list shows 'RD' with one item: 'ITC005056938D22'. To the right of this list is a detailed view for the selected device. At the top of this view, there are several buttons: 'Edit Configuration', 'Shadow' (which is highlighted with a red box), 'Assign object', 'Reboot', and 'Shutdown'. Below these buttons are sections for 'Properties' and 'Custom Properties'. At the bottom of the device view, there are tabs for 'Assigned Objects', 'System Information', 'Licenses', 'Network Adapter', and 'Installed Apps'.

Assigned Objects	System Information	Licenses	Network Adapter	Installed Apps
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The shadowing request will be sent to the device. If you decided to enable **Prompt user to allow remote session**, the user must accept the shadowing request.



## Exporting Device Settings as a Profile in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS), you can export device settings. All changed settings are saved in the exported file, i.e. all settings which deviate from the default values, no matter if they are set via the UMS profiles or locally on the device.

Exporting device settings can be necessary for support purposes or if you want to import them later as a profile, for example, to another UMS installation.

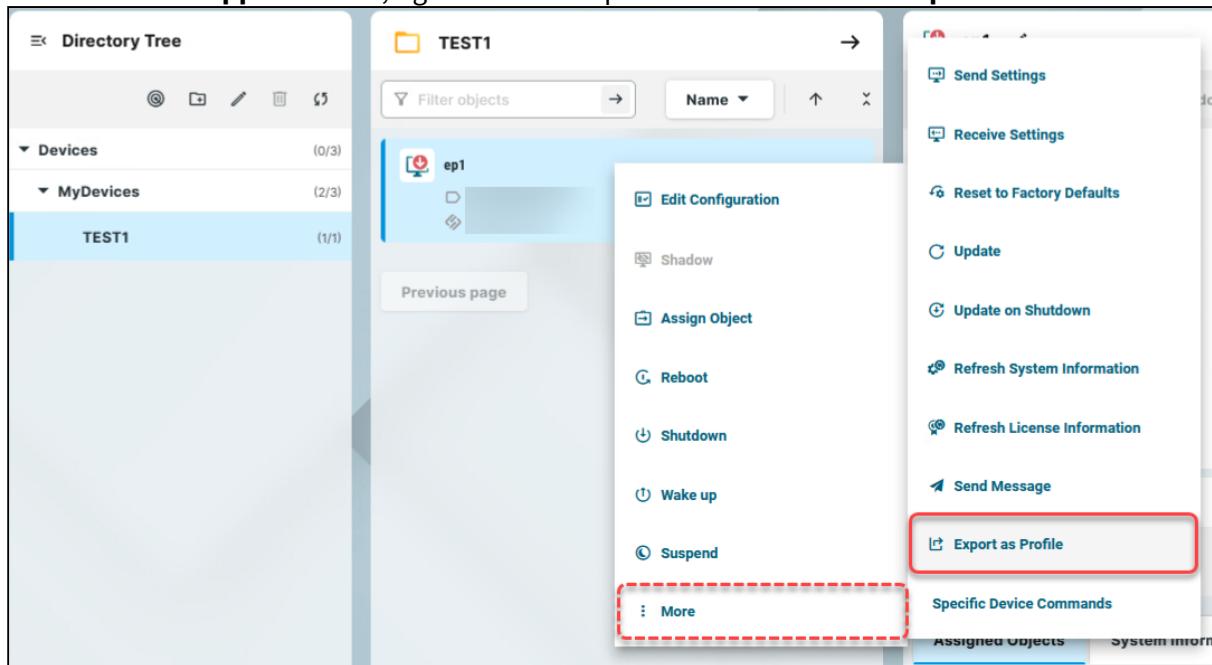
- i In the UMS Web App, you can export device settings for IGEL OS 12 devices only. If you need to export the settings of IGEL OS 11 devices, see Export Device Settings in the IGEL UMS.

If you want to export purely profiles, see [Exporting and Importing Profiles in the IGEL UMS Web App](#)(see page 64).

Menu path: **UMS Web App > Devices > [name of the device] > Export as Profile**

To export device settings, proceed as follows:

1. In the **UMS Web App > Devices**, right-click the required device and select **Export as Profile**.



2. Specify the desired **file name**.
3. Confirm the export.



**Export Device as Profile**

Devices: (only OS12 devices can be exported)

Name	Unit ID
<input checked="" type="checkbox"/> ep1	[REDACTED]

File name:

[REDACTED]

The device settings are saved as an `.ipm` file, which also includes the metadata of IGEL OS Apps these device settings are based on. Therefore, it is not necessary to additionally import the required apps / app versions from the IGEL App Portal (or from the UMS).

- i** If the UMS to which you import the exported file has UMS as an Update Proxy feature activated but the fallback to the App Portal is disabled, you may nevertheless require the app binaries, see [Configuring Global Settings for the Update of IGEL OS Apps](#)(see page 94).

You can now import the exported file as a profile as described under [Exporting and Importing Profiles in the IGEL UMS Web App](#)(see page 64).

- i** All passwords are excluded, i.e. replaced with a placeholder in the exported file. If you import the exported device settings later as a profile, no passwords will be included. You will have to set the passwords anew.



## Configuration - Centralized Management of Device Settings in the IGEL UMS Web App

In the **Configuration** area of the IGEL Universal Management Suite (UMS) Web App, you can create and manage configuration objects, such as profiles and files, to support the centralized management of device settings.

For more information on profiles, see Profiles in the IGEL UMS.

For more information on files, see Files - Registering Files on the IGEL UMS Server and Transferring Them to Devices.

Menu path: **UMS Web App > Configuration**

### Structuring Configuration Objects

A screenshot of the IGEL UMS Web App's Configuration section. It shows three main panels: 1. A tree view of 'Configuration Objects' with 'Profiles' (12/14), 'Files' (1/5), and a selected folder 'Test' (4/4). 2. An object list for the 'Files' directory, showing a single file 'UMS\_ID.crt' (COMMON\_CERT, 1.85 KB). 3. A management panel for the selected 'Files' directory, displaying properties like Name, Files, and Directory Path.

1 Configuration Objects Directory Tree	You can structure your configuration objects, by creating directory structure under <b>Profiles</b> , <b>Priority Profiles</b> and <b>Files</b> in the <b>Configuration Objects</b> tree. The structure tree shows all created directories and subdirectories. The format (x/y) specifies 1) the number of objects contained directly in the directory and 2) the total number of objects in the directory & all subdirectories of this directory.
2 Object List	When you select a directory in the tree, the object list shows all the objects contained in the directory.
3 Management Panel	The content of the panel changes based on the selected item. <ul style="list-style-type: none"><li>When you select a directory in the tree, the panel shows directory information. You can find here the <b>Properties</b> of the selected directory, e.g. the <b>Name</b>, <b>Directory Path</b>.</li><li>When you select an object from the Object List, the panel shows the details of the selected object and all the functions for the management of the object. For details, see the sections <a href="#">Profile Management</a>(see page 46) and <a href="#">File Management</a>(see page 50).</li></ul>



- ⓘ To use priority profiles, they have to be enabled under **Network > Settings > UMS Features**, see [Network Settings in the IGEL UMS Web App](#)(see page 114). Once enabled, you can create priority profiles in the same way as the standard profiles, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).

## Structuring Actions

You have the following options to structure your objects:

- ▶ To create a directory, click .
- ▶ To rename a directory, click .
- ▶ To delete a directory, click . Currently, only empty directories can be deleted.
- ▶ To expand/minimize the list of subdirectories of a directory, click the arrow icon next to the directory name, or double click the directory element.
- ▶ To move a configuration object to another directory, select the object and move it per drag & drop to the desired directory.
- ▶ To refresh the **Configuration Objects** tree, click .
- ▶ To move a directory to another directory, select the directory and move it per drag & drop to the desired directory or use [Ctrl + X], [Ctrl + V].

- ⓘ You can only move file directories within **Files** and profile directories within **Profiles**.

- ⓘ It is currently not possible to copy objects in the UMS Web App. For profiles, you can use the export and import profile function, instead. See [Exporting and Importing Profiles in the IGEL UMS Web App](#)(see page 64).



## Object List Actions

A screenshot of the IGEL UMS Web App interface. The title bar says "Profiles". Below it is a search/filter bar with a "Filter objects" input field, a "Name" dropdown, and sorting/updating buttons. A red box highlights this bar. The main area shows a list of profiles: "Base 12.2", "Chromium Teams Cookies", "Chromium Teams Cookies 2", "Citrix session", and "FabulaTech Plugins". Each item has a small shield icon. A red box highlights the bottom navigation bar, which includes a back arrow, page numbers (1 - 12 of 12), a forward arrow, and a dropdown menu set to "100".

Profile Name
Base 12.2
Chromium Teams Cookies
Chromium Teams Cookies 2
Citrix session
FabulaTech Plugins

You can use the following actions on the listed objects:

- Use the free text filter to filter for objects that contain the text in their name
- Sort profiles by **Name** and **Version**
- Sort files by **Name** and **Size**
- Collapse and expand the object details
- Use the paging for the navigation in the object list
- Set the number of objects to be displayed on one page



## Profile Management Panel

The screenshot shows the IGEL UMS Web App's Profile Management Panel. It displays a profile named "DemoProfile". The interface is divided into several sections:

- Action Buttons:** At the top left are "Edit Configuration" and "Export Profile" buttons, both highlighted with a red border and labeled with a red "1".
- Properties:** A section containing profile details like Name (DemoProfile), Id (12740), and Directory Path (Profiles / Test / Profile for passwords / import), labeled with a red "2".
- Activated Settings:** The main content area, labeled with a red "3", contains tabs for "Activated Settings", "Contained Files", "Assigned Devices", and "Apps". The "Activated Settings" tab is selected. It lists various configuration parameters with their values:
  - > Use Password: true
  - > Show taskbar in login screen
  - > Session name: Zoom
  - > Window size: 640x480
  - > Multimonitor full-screen mode: Single
  - > Window size: 800x600

1	Action Buttons	<ul style="list-style-type: none"><li>▶ To edit the configuration parameters of a profile, double click the profile in the object list, or select the profile and click <b>Edit Configuration</b> in the information panel.</li><li>▶ To export the profile, click <b>Export Profile</b>.</li></ul>
2	Profile information	<p>For profiles, the information panel shows the <b>Properties</b> of the selected profile, e.g. its <b>Name</b>, <b>Version</b> it is based on (for IGEL OS 11 profiles only), etc.</p> <p><b>Id</b></p> <p>Profile ID. If several profiles are assigned to a device on an equal basis, the newer profile with the higher profile ID has priority. For more information on</p>



prioritization of profiles, see Order of Effectiveness of Profiles and Prioritization of Profiles in the IGEL UMS.

## Directory Path

Full directory path for the selected profile

To edit the properties, click .

Edit properties

\* Name  
Firefox

Description

Sessions  
Do NOT overwrite sessions

Version  
IGEL OS 11 11.08.230.rc7.01

Save Cancel

**Overwrite sessions** option should be activated only in exceptional cases. With this option, you can override free instances of all other profiles. Detailed information on this option can be found under Creating Profiles in the IGEL UMS.

3	Activated Settings	Shows all configuration settings activated in the selected profile.
---	--------------------	---

**Key:** Key of the configuration parameter

- ▶ Click the i-icon to open the tooltip.

**Display name:** Name of the configuration parameter as displayed in the IGEL Setup and the configuration dialog in the UMS Console.



**Value:** A value set for the parameter. All password values are anonymized.

- If a parameter receives a value from a template key (see Template Profiles in the IGEL UMS), click  to jump to the corresponding template key.

 Settings activated for the newly created profiles as well as setting changes are displayed in the UMS Web App under **Activated Settings** not immediately, but after the next reindexing, which is executed, in this case, with a one-day interval.

Template Key Relation	Shows template keys used in the profile, see <a href="#">Template Profiles in the IGEL UMS</a> and <a href="#">Using Template Keys in Profiles</a> .
-----------------------	--

**Template Key:** Name of the template key

**Parameter:** Key of the configuration parameter for which a template key is configured

**Template Expression:** A template key configured

Example of template expressions:

`SSH on ${MAC}` – static template key configuring the name for the SSH session, which will be composed of "SSH on" and the MAC address of the endpoint device

Contained Files	Shows all files assigned to the selected profile. For details on the file upload, see <a href="#">Upload and Assign Files in the IGEL UMS Web App</a> (see page 67).
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The screenshot shows a user interface for managing files assigned to a profile. At the top, there are tabs for 'Contained Files', 'Assigned Devices', and 'Apps'. Below these are two buttons: 'Assign device' and 'Add file'. A red box labeled '1' highlights this area. Below the buttons is a search bar labeled 'Filter objects' with a red box labeled '2'. Underneath the search bar is a list of files. The first item in the list is 'UMS\_ID.crt' with the sub-label 'Common Certificate /wfs/'. To the right of this item is a red box labeled '3' containing a trash can icon.

1: Allows to quickly add the file to the profile. To use the option, you should already know the file name or its part.

2: Filters the files added to the profile according to the entered string.

3: Detaches the selected file from the profile.



Assigned Devices	Shows all devices the selected profile is assigned to.
	<p>The screenshot shows the 'Assigned Devices' tab selected in the top navigation bar. A search bar labeled 'Enter device or directory name' is highlighted with a red box and contains the number '1'. Below it is a 'Filter objects' section with a dropdown menu and two icons, highlighted with a red box and containing the number '2'. A list of devices is shown, with the first item 'ep1' highlighted with a red box and containing the number '5'. At the bottom right, there is a breadcrumb navigation 'Devices / MyDevices / TEST1' and a timestamp '12.3.0-1.rc.2', both highlighted with a red box and containing the number '4'. To the right of the breadcrumb is a small icon with a red box and the number '3'.</p>
Apps	Shows which apps / app versions are configured by the selected OS 12 profile.

► Click to remove all filters.

3: Detaches the selected device / device directory from the profile.

4: Jumps to the corresponding device directory and shows all **Assigned Objects** for it.

5: Jumps to the corresponding device and shows all **Assigned Objects** for it.



## File Management Panel

A screenshot of the IGEL UMS Web App's File Management Panel. At the top, a file named "Test Image.png" is selected. Below it, there are three main sections: "Properties" (highlighted with a red box and labeled 1), "Settings" (highlighted with a red box and labeled 2), and "Content" (highlighted with a red box and labeled 3). The "Properties" section shows the file name, source URL, classification (Undefined), device file location (/wfs/), owner (User), and access rights (Owner: rwx, Others: ---). The "Settings" section includes tabs for "Classification", "Device file location", "Owner", "Owner access rights", and "Others access rights". The "Content" section is currently empty, showing a checkered pattern. A navigation bar at the bottom includes icons for file operations like upload, download, and search.

1	Action Buttons	► To edit the properties and settings of the file, click <b>Edit</b> .
2	File Information	For files, the information panel shows the <b>Properties</b> and <b>Settings</b> of the selected file, e.g. its <b>Name</b> , <b>Source URL</b> .  The values are defined during the upload of the file, and can be edited later. For details on the settings, see <a href="#">Upload and Assign Files in the IGEL UMS Web App</a> (see page 67).



3	Content	Displays a preview of the file, for example, image or certificate content.
	Assigned Devices	Shows all devices the selected file is assigned to. For details on file assignment, see <a href="#">Upload and Assign Files in the IGEL UMS Web App</a> (see page 67).



## How to Create and Assign Profiles in the IGEL UMS Web App

In the IGEL UMS Web App, you can create profiles for configuring settings for your devices. For general information on profiles, see Profiles in the IGEL UMS.

Menu path: **UMS Web App > Configuration**

### **i Profiles for IGEL OS 12 and IGEL OS 11 Devices**

- The procedure for creating profiles for IGEL OS 12 and IGEL OS 11 devices is different. If you want to configure, for example, Chromium browser settings for your IGEL OS 12 and IGEL OS 11 devices, you have to create two profiles – one for OS 12 devices and another for OS 11 devices.
- Profiles for IGEL OS 12 devices can only be created and changed in the UMS Web App. It is not possible to create/edit them in the UMS Console.
- Profiles for IGEL OS 11 devices can be created and edited in the UMS Console and the UMS Web App.
- The direct assignment of OS 12 profiles to OS 11 devices is not possible, and vice versa. If you assign an OS 12 profile to an OS 11 device indirectly, i.e. via a directory structure, the settings from the OS 12 profile are ignored for the OS 11 device (and vice versa).

### **i Direct and Indirect Assignment of Objects in the IGEL UMS**

Objects in the IGEL UMS can be assigned directly or indirectly:

- Directly assigned objects have been assigned to an individual device or directory.
- Indirectly assigned objects have been "inherited" via the directory structure.

Whether a profile is assigned directly or indirectly influences the priority of a profile, see Order of Effectiveness of Profiles.

Note the following:

- If you assign a profile to a directory, it is **indirectly** assigned to each device in this directory including the subdirectories.
- If you subsequently move a device to this directory, the directory profiles will affect this device too.
- If you remove a device from this directory, the profile will no longer influence this device and the local settings for the device will be restored.

## Creating Profiles for IGEL OS 12 Devices

Before creating profiles for IGEL OS 12 devices, you have to import the required apps from the IGEL App Portal; see [How to Import IGEL OS Apps from the IGEL App Portal](#)(see page 75).

Alternatively, at least one IGEL OS 12 device with the required apps has to be already registered with the UMS Server. IGEL OS base system as well as all locally installed apps are then automatically recognized by the UMS. See e.g. [Installing IGEL OS Apps Locally on the Device](#).



As soon as there are apps listed under **UMS Web App > Apps**, you can create a profile to configure settings for your devices.

There are two methods to create a profile:

- Via **Configuration > Configuration Tree > Create new profile** (used to configure several apps. A profile configures ALL versions of an app, unless the version is specified.)
- Via **Apps > Create new profile** (used to quickly configure a profile for the selected app.)

**i** Profiles cannot currently be deleted in the UMS Web App. Use the UMS Console, instead.

**i** For apps which have no configurable parameters (e.g. codecs), it is not possible to create a profile.

### Option 1: Create an OS 12 Profile via Configuration

1. Under **UMS Web App > Configuration**, click **Create new profile** button.
2. Select **OS 12** (shown only if there are OS 11 devices registered in the UMS) and enter the **name** of the profile. If desired, add the **description** for the profile.
3. Click **Select Apps**.

A screenshot of the IGEL UMS Web App interface. On the left, the 'Configuration Objects' sidebar shows sections for 'Profiles' (with a red box around the 'Create new profile' button), 'Priority Profiles', and 'Files'. In the center, the 'Profiles' list contains items like 'Base 12.2', 'Chromium Teams Cookies', 'Chromium Teams Cookies 2', 'Citrix session', 'FabulaTech Plugin', 'FabulaTech Scan', 'FabulaTech USB', and 'FabulaTech Web'. On the right, the 'Properties' panel shows 'Name: Profiles' and 'Directory Path: Profiles'. A modal dialog titled 'Create new profile' is open in the foreground. It has fields for 'Name' (containing 'New Profie 12') and 'Description'. At the bottom right of the dialog is a red box highlighting the 'Select Apps' button.



4. In the **App Selector**, select the app(s) you want to configure. It is ALWAYS necessary to select at least one app when creating a profile for IGEL OS 12 devices.

**Info:** If you want to create profiles configuring IGEL OS base system settings (e.g. corporate design, SSO, accessories, etc.) before any of your IGEL OS 12 devices is registered with the UMS, import the IGEL OS base system app. The latest app version is recommended. Alone for the purpose of profile creation, the subsequent assignment of the IGEL OS base system app to a device / device directory is NOT necessary.

A screenshot of the "App Selector - Chromium" dialog. At the top right is a "Show Versions" checkbox with a red arrow pointing to it. Below it is a note: "In OS 12 you can define what apps should be configured by a profile. Please select at least one app. (You can choose from Base System and/or Apps.) This selection can always be changed." The "Base System" section shows the "IGEL OS" app selected with a dropdown menu showing "Default version". The "Apps" section shows the "Chromium Browser" app selected with a dropdown menu showing "Default version", and other apps like "Citrix" and "CUPS printing app" listed below. A red box highlights the "Chromium Browser" row. At the bottom are "Cancel" and "Save" buttons, with a red box highlighting the "Save" button.

5. If you want to configure a profile for a specific app version, activate **Show Versions** and select the required version.

**Info:** An app version selected here will be assigned to a device, see [Assigning OS 12 Profiles to Devices](#), or [Implicit App Assignment via Profiles](#)(see page 57). The best practice is to use the **Default Version**, see [How to Set a Default Version of an App in the IGEL UMS](#)(see page 78).

6. Click **Save**.

The profile will be saved and listed under **Configuration > Profiles**, even if you will not configure any settings in the next step.

7. Configure the desired settings.

The configuration dialog shows only those settings that can be configured for the selected app(s). If you want to change the scope of the profile (i.e. redefine which apps should be configured by the profile), click **App Selector** .



	The parameter is inactive and will not be configured by the profile.
	<b>IMPORTANT:</b> When you deactivate the parameter, the value will be automatically set back to the default value.
	The parameter is active and the set value will be configured by the profile.

The screenshot shows the 'Profile Configurator - New Profile 12' window. On the left, there's a tree view under the 'Apps' tab with 'Chromium Browser' expanded, showing 'Chromium Browser Global' and 'Chromium Browser Sessions', with 'Chromium browser' selected. To the right, the 'Session name' is set to 'Chromium browser'. Below that, the 'Starting Methods for Session' section lists several options, all of which are checked: 'Start Menu', 'Menu folder', 'Start Menu's System tab', 'Application Launcher', 'Application Launcher folder', 'Application Launcher's System tab', 'Desktop', and 'Desktop folder'. At the bottom, there are buttons for 'App Selector', 'Close', 'Save', and 'Save and Close'.

8. Save the changes.
9. Assign the profile to the required device / device directory. See [Assigning OS 12 Profiles to Devices, or Implicit App Assignment via Profiles](#)(see page 57).

## Option 2: Create an OS 12 Profile via Apps

To quickly create a profile for an imported app, proceed as follows:



- Under **UMS Web App > Apps**, select the required app and click **Create new profile**.

The screenshot shows the 'Browser' section of the UMS Web App. A 'Chromium Browser' entry is selected. A modal dialog titled 'Create new profile' is open in the foreground. The 'Name' field contains 'ChangeMyName-2023-12-11\_0533'. The 'Location' dropdown is set to 'Profiles'. The 'Save' button at the bottom right of the modal is highlighted with a red box. In the background, there are tabs for 'Update Settings' and 'Default Version for Assigned Devices'.

- Enter the **name** of the profile and specify the desired directory for storing the profile under **Location**. If desired, add the **description** for the profile.
- Click **Save**.  
The profile will be saved and listed under **Configuration > Profiles**, even if you will not configure any settings in the next step.
- Configure the desired settings.  
The configuration dialog shows only those settings that can be configured for the selected app. If you want to change the scope of the profile (i.e. redefine which apps should be configured by the profile), click **App Selector** .

	<p>The parameter is inactive and will not be configured by the profile.</p> <p><b>IMPORTANT:</b> When you deactivate the parameter, the value will be automatically set back to the default value.</p>
	<p>The parameter is active and the set value will be configured by the profile.</p>



A screenshot of the "Profile Configurator - New Profile 12" dialog. The "Apps" tab is selected. In the left sidebar, under "Chromium Browser", "Chromium Browser Global" and "Chromium Browser Sessions" are expanded, with "Chromium browser" selected. The main area shows a "Session name" field containing "Chromium browser" and a "Starting Methods for Session" section with several checkboxes and input fields. At the bottom are "App Selector", "Close", "Save", and "Save and Close" buttons.

5. Save the changes.
6. Assign the profile to the required device / device directory. See [Assigning OS 12 Profiles to Devices, or Implicit App Assignment via Profiles](#)(see page 57).

## Assigning OS 12 Profiles to Devices, or Implicit App Assignment via Profiles

### **i** **Implicit App Assignment via Profiles**

An app is automatically assigned to a device via a profile which configures this app. Exception: IGEL OS Base System app

The app version that will be installed on the device via the implicit assignment if several profiles configure this app (but in different versions) is defined by the priority rules for profiles, see Prioritization of Profiles in the IGEL UMS and Summary - Prioritization of IGEL UMS Profiles. Note that the explicitly assigned app, i.e. app / app version selected as an object in the **Assign object** dialog, ALWAYS overwrites the implicitly assigned app. See [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 80).



- ⓘ To quickly assign a profile to a device / device directory, you can use the **Assign device** function under **Configuration > [name of the profile] > Assigned Devices**. To use this option, you should already know the name of the device / device directory or its part.

A screenshot of the IGEL UMS Web App interface. At the top, there are three tabs: 'Contained Files', 'Assigned Devices' (which is highlighted with a blue background), and 'Apps'. Below the tabs is a search bar with a magnifying glass icon and the placeholder text 'Enter device or directory name'. A red box highlights this search bar and the 'Assign device' button to its left. The main content area shows a list of devices. One device, 'ep1', is selected and shown in detail. The details include: 'Devices / MyDevices / TEST1', 'Unit ID: 00505693271E', and '12.3.0-1.rc.2'. There are also 'Edit Configuration', 'Shadow', 'Reboot', and 'Shutdown' buttons.

To assign profiles to a device / device directory, proceed as follows:

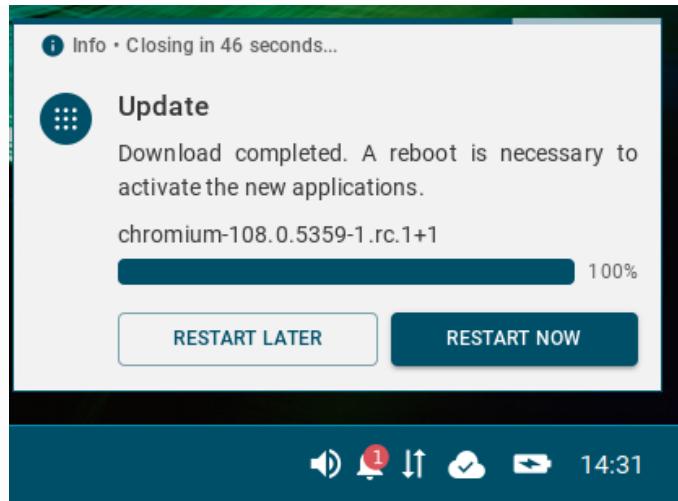
1. Under **UMS Web App > Devices**, select a device or device directory and click **Assign Object**.

A screenshot of the 'Assign Object to Device' dialog box. On the left, there's a list of 'Assignable Objects' including 'New Profile 12', 'ChangeMyName-2023-12-08\_06:08', 'Test profile', etc. On the right, there's a list of 'Assignments' including 'DemoProfile', 'Zoom', 'Base 12.2', etc. Between these lists are two red-bordered arrow buttons: one pointing right from theAssignable Objects list to the Assignments list, and one pointing left from the Assignments list back to theAssignable Objects list. In the top right corner of the dialog box, there's a button labeled 'Assign Object' with a red dashed box around it. At the bottom right of the dialog box, there's a button labeled 'Save and apply on reboot' with a red box around it.

2. Select the profile you want to assign to the device / device directory and use the arrow button or drag & drop.
3. Decide when the changes should become effective, and save by selecting **Save and apply on reboot** or **Save and apply now**.

An app assigned via the profile will be downloaded by the device.

- ⓘ By default, apps / app versions are automatically activated at the next reboot. The user will receive a corresponding notification.  
Example:



If you have configured the background app update, an **Update** command must be sent, instead. For details, see [How to Configure the Background App Update in the IGEL UMS Web App](#)(see page 108).

The assigned profile and the app assigned to the device via this profile are displayed under **Devices > Assigned Objects**.

A screenshot of the IGEL UMS Web App showing the "Assigned Objects" section for a device named "ep1". The "Assigned Objects" tab is highlighted with a red box. In the list below, "Chromium Browser" is also highlighted with a red box. Other tabs visible include "System Information", "Licenses", "Network Adapter", and "Installed Apps". The "Properties" panel on the right is mostly blurred.

To check the installed apps on a device, go to **Devices > Installed Apps**; see [Checking Installed Apps via the IGEL UMS Web App](#)(see page 84).



## Creating Profiles for IGEL OS 11 Devices

For how to create IGEL OS 11 profiles in the UMS Console, see [Creating Profiles in the IGEL UMS](#).

To create a profile for IGEL OS 11 devices via the UMS Web App, proceed as follows:

1. In the **UMS Web App > Configuration**, click **Create new profile** button.
2. Select **OS 11** (shown only if there are OS 11 devices registered in the UMS).

A screenshot of the UMS Web App interface. The top navigation bar includes 'Devices', 'Configuration' (which is selected), 'Apps', and '3 more'. Below the navigation is a 'Configuration Tree' sidebar with sections for 'Profiles (6)', 'Priority Profiles (1)', and 'Base System (3)'. A red arrow points from the 'Create new profile' button in the sidebar to the 'Create new profile' dialog box. The dialog box is titled 'Create new profile' and contains fields for 'Version' (radio buttons for 'OS 12' and 'OS 11', with 'OS 11' selected and highlighted with a red box), 'Name' (text input field containing 'Firefox'), and 'Description' (text input field containing 'OS 11'). At the bottom are 'Save' and 'Cancel' buttons.

3. Select the firmware **version** the profile is based on.
4. Enter the **name** of the profile.
5. If desired, add the **description** for the profile.
6. Click **Save**.

The profile will be saved and listed under **Configuration > Profiles**, even if you will not configure any settings in the next step.

7. Configure the desired settings.

	<p>The parameter is inactive and will not be configured by the profile.</p> <p><b>IMPORTANT:</b> When you deactivate the parameter, the value will be automatically set back to the default value.</p>
	<p>The parameter is active and the set value will be configured by the profile.</p>



A screenshot of the IGEL UMS web interface showing the "Profile Configurator - Firefox" page. The left sidebar lists various session types: PowerTerm Terminal Emulation, IBM iAccess Client, ThinLinc, SSH, VNC Viewer, Firefox Browser (selected), Chromium Browser, and Audio Player. Under "Firefox Browser", there are sections for "Settings", "Desktop Integration", and "Plugins". The main panel shows a "Session name" field set to "Firefox Browser". Below it is a section titled "Starting Methods for Session" with four options: "Start Menu" (checked), "Menu folder" (checked), "Start Menu's System tab" (checked), and "Application Launcher" (checked). At the bottom are "Close", "Save", and "Save and Close" buttons.

8. Save the changes.
9. Assign the profile to a device / device directory; see the instructions below.

## Assigning OS 11 Profiles to Devices

- (i) To quickly assign a profile to a device / device directory, you can use the **Assign device** function under **Configuration > [name of the profile] > Assigned Devices**. To use this option, you should already know the name of the device / device directory or its part.

A screenshot of the "Assigned Devices" search interface. It has tabs for "Contained Files", "Assigned Devices" (which is selected and highlighted with a blue border), and "Apps". Below the tabs is a search bar with a placeholder "Enter device or directory name" and a red rectangular highlight. There is also a "Filter objects" button and two small icons for folder and device. A list of devices is shown, with one entry highlighted: "ep1" (00505693271E) under "Devices / MyDevices / TEST1".

1. To assign a profile, go to **Devices > [name of the device / device directory] > Assign object**.



A screenshot of the IGEL UMS Web App interface. The top navigation bar includes tabs for "Devices", "Configuration", and "4 more". On the left, a "Directory Tree" sidebar shows a hierarchy of devices: Devices (5) under Augsburg (4), which further branches into techdoc (4), QA (1), and RD (3). A specific folder named "Bremen (1)" is highlighted with a red box. The main content area displays "Devices / Bremen" with a list of objects. At the top right of this area, there is a button labeled "Assign object" which is also highlighted with a red box. Below this, the "Properties" section shows the name "Bremen" and the directory path "Devices / Bremen".

2. Select the required profile and use the arrow button or drag & drop.

A screenshot of the "Assign Object to Directory" dialog. The title bar says "Assign Object to Directory" and the sub-path is "Devices / Bremen". The left panel, titled "Assignable Objects", lists several items: Firefox (OS 11), Language (OS 12), Background, SSH, and Terminal (OS12). The item "Firefox (OS 11)" is highlighted with a red box. The right panel, titled "Assignments", is currently empty. Between the two panels is a central area with a large blue arrow pointing from left to right, also highlighted with a red box. At the bottom right of the dialog are "Cancel" and "Save" buttons.

3. Save the changes.



4. Decide when the changes should become effective.

**ⓘ Update Time**

When should these changes take effect?

On reboot    Now

**✓ Confirm**



## Exporting and Importing Profiles in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS), profiles can be exported from the database together with their directory structure. This can be helpful for backup or support purposes or when importing the profile data from one UMS installation to another.

Alternatively, device settings can be exported and imported later as a profile, see [Exporting Device Settings as a Profile in the IGEL UMS Web App](#)(see page 41).

- ⓘ In the UMS Web App, only OS 12 profiles can be exported or imported. If you need to export / import OS 11 profiles, see Exporting and Importing Profiles.

Menu path: **UMS Web App > Configuration > Export Profile / Import Profiles**

### Exporting Profiles

To export an individual profile, proceed as follows:

1. Under **UMS Web App > Configuration**, select the required profile.
2. Click **Export Profile**.

A screenshot of the IGEL UMS Web App's Configuration Objects interface. The left sidebar has a tree view with 'Profiles' expanded, showing a 'Test' folder with 12/14 items. Inside 'Test', there is a 'Profile for passwords' folder with 0/1 item. The 'Test profile' is highlighted with a red dashed box. The main panel shows a list of objects under 'Test', with 'Test profile' also highlighted. The right panel shows the properties for 'Test profile', including its name, ID (13634), and directory path ('Profiles / Test'). The 'Export Profile' button is highlighted with a red box.

3. Specify the desired **file name**.
4. Confirm the export.

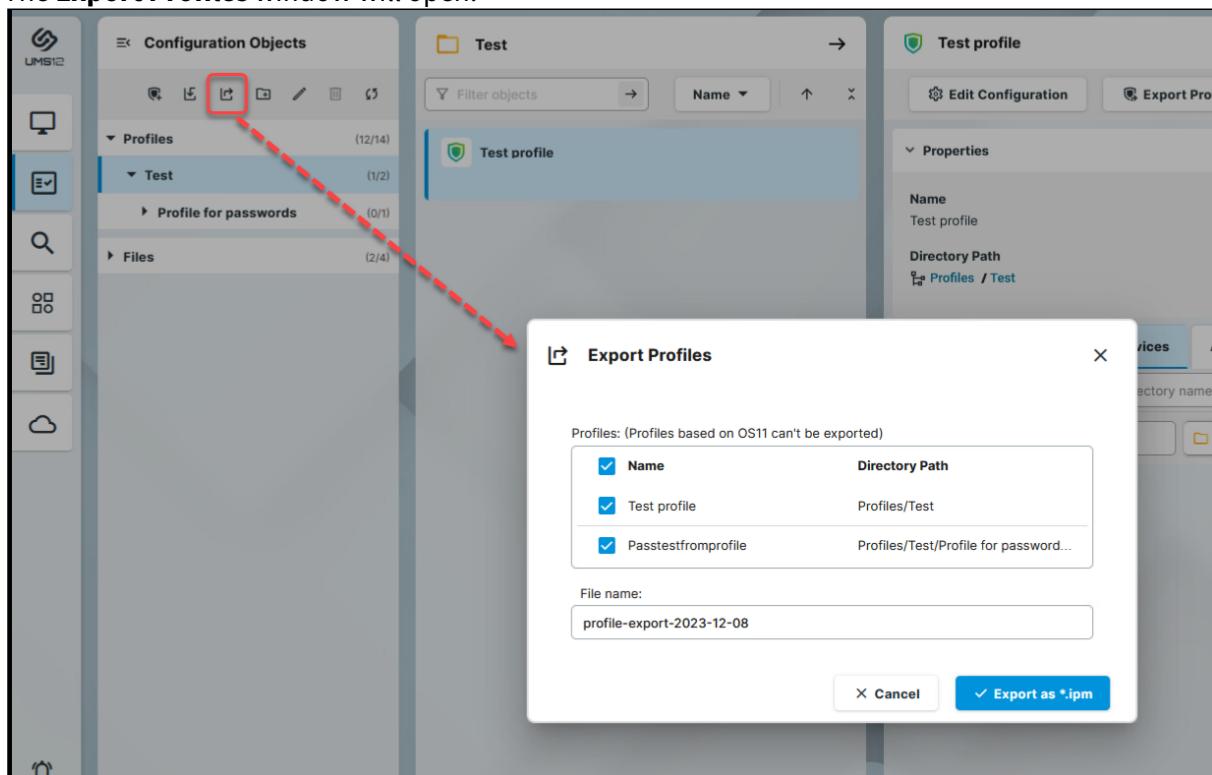
To export a number of profiles in one file, proceed as follows:

1. Under **UMS Web App > Configuration**, select the folder **Profiles** or the folder that contains the profiles you want to export.



2. Click **Export Profile**.

The **Export Profiles** window will open.



3. Select the profiles you want to export.
4. Specify the **file name**.
5. Confirm the export.

The exported profiles are saved as an `.ipm` file, which also includes the metadata of IGEL OS Apps the profiles are based on. Therefore, it is not necessary to additionally import the required apps / app versions from the IGEL App Portal (or from the UMS).

- i** If the UMS to which you import the exported file has UMS as an Update Proxy feature activated but the fallback to the App Portal is disabled, you may nevertheless require the app binaries, see [Configuring Global Settings for the Update of IGEL OS Apps](#)(see page 94).

You can now import the exported file as described below.

- i** All passwords are excluded, i.e. replaced with a placeholder in the exported file. If you import the exported device settings later as a profile, no passwords will be included. You will have to set the passwords anew.



## Importing Profiles

To import profiles, proceed as follows:

1. Under **UMS Web App > Configuration**, click **Import Profiles**

A screenshot of the IGEL UMS Web App interface. On the left, there's a sidebar with icons for UMS12, Computer, Configuration Objects, Search, Grid View, List View, and Cloud. The main area shows 'Configuration Objects' with a tree view: 'Profiles' &gt; 'Test' &gt; 'Profile for passwords'. A red box highlights the 'Import Profiles' button (a blue square with a white downward arrow). A red dashed arrow points from this button to a central modal dialog titled 'Upload profiles'. The dialog has two radio buttons: 'Use selected directory' (selected) and 'Use export path'. Below is a dashed box for dragging files, with a 'Browse files...' button underneath. At the bottom, it says 'Allowed file formats: \*.ipm'. In the top right of the dialog is a 'Cancel' button. To the right of the dialog, the 'Test profile' configuration page is visible, showing 'Name: Test profile' and 'Directory Path: Profiles / Test'.

2. Select if the profile(s) should be placed in the highlighted directory or if the original directory path of the profile(s) should be retained.
3. Select the file containing your profile(s).
4. When the upload is complete, confirm the import.  
The corresponding profiles will be imported to the UMS together with the metadata of IGEL OS Apps these profiles are configuring.  
If required, you can now assign the profiles to your endpoint devices.

Profiles can be imported as priority profiles (and vice versa).



## Upload and Assign Files in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can upload files as configuration objects. Then, you can distribute these files to your devices through assignment.

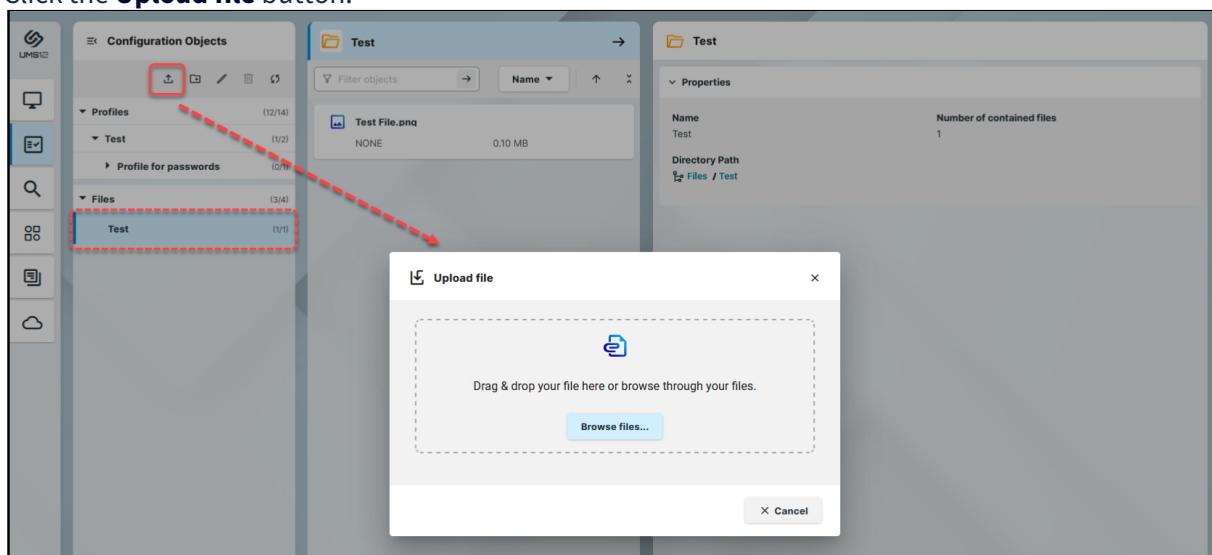
- i Files cannot currently be deleted in the UMS Web App. Use the UMS Console, instead.

---

Menu path: **UMS Web App > Configuration**

### File Upload

1. Select a folder under Files. The file will be uploaded here.
2. Click the **Upload file** button.



3. Browse or drag&drop the file.

- i You can only upload one file at a time.



4. As soon as the file upload begins, you can edit the properties.

The screenshot shows a modal window titled 'Upload file'. At the top, it displays 'File successfully uploaded' and the file details: 'Test Image.png' (0.10 MB) with a green checkmark icon. Below this, there are fields for 'Name' (set to 'Test Image.png'), 'Classification' (set to 'Undefined'), 'Device file location' (set to '/wfs/'), and 'Owner' (set to 'User'). Under 'Access rights', the 'Owner access rights' section has three checked boxes: 'read', 'write', and 'execute'. The 'Others access rights' section has three unchecked boxes: 'read', 'write', and 'execute'. At the bottom of the modal, a message says 'Your upload is complete. Press New upload to start a new File Upload'. There are two buttons at the bottom right: a grey 'New upload' button and a blue 'Finish upload' button with a checkmark icon.

5. Under **Classification**, select the type of file. This serves to automatically establish suitable storage locations and file authorizations. Choose between:

- **Undefined**
- **Web browser certificate**
- **SSL certificate**
- **Java certificate**
- **IBM iAccess certificate**
- **Common certificate**

For information on certificate deployment, see the section "Deploying Certificates via the UMS" in Deploying Trusted Root Certificates in IGEL OS.

6. If you set the classification to **Undefined**, specify the path in the devices's local file system under **Device file location**.



Paths must end with a path separator – a slash "/" or a backslash "\\". If you enter a directory which does not yet exist, it will be created automatically.

**i** Because of its space limit, the use of the `/wfs/` folder is NOT recommended for large files (> 2 MB).

7. For the **Undefined** classification, set the **Owner** and the **Access rights**. These will be attached to the file when it is transferred to the device and will be used on the destination system.
8. Click **Finish upload** to confirm the settings and close the dialog or **New upload** to upload another file.

Once the upload is finished, you can preview the uploaded file under the **Content** tab.

A screenshot of the IGEL UMS Web App interface. At the top, there's a navigation bar with links like 'Dashboard', 'Devices', 'File Management', 'Logs', and 'Help'. Below the navigation is a search bar and a 'File Management' section with a tree view of files and a 'New upload' button. The main area shows a file named 'Test File.png' with its properties: Name (Test File.png), Source URL (https://\$serverhostname:\$port\$/ums...), Classification (Undefined), Device file location (/wfs/), Owner (User), and Access rights (rwx). Below these details is a 'Settings' section with tabs for 'Classification', 'Device file location', 'Owner', 'Owner access rights', and 'Others access rights'. At the bottom of the page, there are two tabs: 'Content' (which is highlighted with a red box) and 'Assigned Devices'. A smaller screenshot in the bottom right corner shows the IGEL UMS Console interface.

Uploaded files can be managed both in the IGEL UMS Web App and UMS Console. For details on managing files in the UMS Console, see [Files - Registering Files on the IGEL UMS Server and Transferring Them to Devices](#).



## File Assignment

In the **Configuration** area, you can quickly assign individual files through the **Assigned Devices** tab.

1. Select the file you want to assign.
2. In the information dialog, go to the **Assigned Devices** tab.

A screenshot of the IGEL UMS Web App interface. A modal window is open for a file named "Test File.png". The "Assigned Devices" tab is selected. In the "Assign device" input field, the text "ep" is typed, and a dropdown list shows "ep2" and "ep1". The entry "ep1" is highlighted with a red rectangle. The modal also contains sections for "Properties" (Name: Test File.png, Source URL: https://\$serverhostname:\$port\$/ums...) and "Settings" (Classification: Undefined, Device file location: /wfs/, Owner: User).

Classification	Device file location	Owner
Undefined	/wfs/	User

Owner access rights	Others access rights
rwx	---

3. Start typing the name of the device or device directory.
4. In the displayed list, click on the device or device directory to assign the file.
5. Confirm the assignment.

You can also assign files as any other objects through the **Devices** area. For more on object assignment, see [Assigning Objects in the IGEL UMS Web App](#)(see page 30).



## Apps - Import and Configure Apps for IGEL OS 12 Devices via the UMS Web App

In the **Apps** area of the UMS Web App, you can manage apps imported to the IGEL Universal Management Suite (UMS) for configuring your IGEL OS 12 devices.

- i** To have access to the **Apps** area, you need **App Management** permission. You can set the permission in the **UMS Console > System > Administrator accounts**.  
For general information on rights and permissions, see Create Administrator Accounts.

---

Menu path: **UMS Web App > Apps**

Under **Apps**, you can find

- apps imported from the IGEL App Portal
- automatically registered apps. The UMS automatically registers all apps available on the devices, e.g. IGEL OS Base System, locally installed apps, and dependent apps that are automatically installed on the device during the installation of the main app (e.g. Citrix Multimedia Codec as a dependent app for Citrix Workspace app)



The screenshot illustrates the IGEL UMS Web App's interface for managing applications. It features a sidebar with navigation icons and a central area divided into three panels:

- Panel 1 (Left):** Directory Tree showing app categories. A red box highlights the 'All' category under 'All'.
- Panel 2 (Center):** App List showing individual applications. A red box highlights the 'All' category under 'All'. Numbered callouts point to specific items: 1 points to the 'All' category; 2 points to the 'All' button in the app list header; 3 points to the 'Zoom Desktop Client' app details; 4 points to the 'Categories' section; 5 points to the 'Update Settings' section; 6 points to the 'Assigned Devices' tab; 7 points to the 'All' category in the sidebar.
- Panel 3 (Right):** App Details for 'Zoom Desktop Client'. It includes sections for 'Update Settings' (with 'Automatic Check for Updates in UMS' and 'Default Version for Assigned Devices' options) and 'Assigned Devices' (listing versions and their assignments).

1 App categories	<p>Shows all available app categories.</p> <ul style="list-style-type: none"> <li>Click <b>All</b> to view apps from all categories.</li> <li>Click a specific category to view all apps within this category.</li> </ul>
2 App list	<p>Shows apps contained in the selected category.</p> <ul style="list-style-type: none"> <li>Paging for the navigation in the app list</li> <li>Defining the number of apps to be displayed on one page</li> <li>Filtering apps by <b>Name</b></li> <li>Sorting apps by <b>Name</b></li> </ul>
3 Commands	<p><b>Create new profile:</b> Creates a profile for the app selected in the app list. For more information on profile creation, see <a href="#">How to Create and Assign Profiles in the IGEL UMS Web App</a>(see page 52).</p> <p><b>Set Default Version:</b> Defines which app version will be assigned to a device /device directory if no specific app version is selected during the app assignment or the creation of a profile configuring this app. See <a href="#">How to Set a Default Version of an App in</a></p>



the IGEL UMS(see page 78).

**Delete app:** Deletes an app selected in the app list if this app is nowhere used. See [How to Delete Apps in the IGEL UMS Web App\(see page 91\)](#).

**Export app (metadata):** Exports the metadata of an app selected in the app list, see [How to Export and Upload Apps to the IGEL UMS\(see page 111\)](#).

4 App inform ation	Details for the app selected in the app list such as <b>Newest imported version</b> , <b>Default version</b> that is selected under <b>Set Default Version</b> , availability of a newer version (depending on the configuration under <b>Update Settings</b> ).
5 Update Setting s	Defines update settings for the app selected in the app list. See <a href="#">Configuring Update Settings for Individual IGEL OS Apps(see page 98)</a> .
6 Version s	Shows information on all available versions of the app, e.g. if and how an app version is used (installed, assigned, used in profiles).

A screenshot of the IGEL UMS Web App interface. The top navigation bar shows 'Versions' and 'Assigned Devices'. Below this, a summary bar indicates '2 Versions', '1 Installed', '0 Assigned', and '1 Profiles'. The main content area is titled 'Versions' and lists three app versions:

- Default version (5.16.0.8131 BUILD 1.0)**: Includes details like file size (208.5 MB), imported by (Admin), and imported on (Dec 5, 2023). It also shows EULA State (Accepted) and a row of icons for export, delete, and profile creation.
- 5.16.2.8828 BUILD 1.0 RC 1**: Shows 0 installed, 0 assigned, and 0 profiles. It has a row of icons for export, delete, and profile creation.
- 5.16.0.8131 BUILD 1.0**: Shows 1 installed, 0 assigned, and 0 profiles. It has a row of icons for export, delete, and profile creation.

- ▶ To export the selected app version, click .
- ▶ To delete a selected app version, click . See [How to Delete Apps in the IGEL UMS Web App\(see page 91\)](#).
- ▶ To create a profile from the selected app version, click . For details on profiles, see [How to Create and Assign Profiles in the IGEL UMS Web App\(see page 52\)](#).



An app version with End User License Agreement (EULA) not accepted is marked with an exclamation mark.

- To accept the EULA for the app, click **Accept EULA**. This can be necessary, for example, for [automatically registered apps](#)(see page 71) or if the EULA is changed. If not accepted in the UMS, the EULA can still be accepted by your users locally on the device via the corresponding notification dialog.

Assigned Devices Shows all devices / device directories to which the selected app is assigned.

The screenshot shows a list of assigned devices for a selected app. At the top, there are tabs for 'Versions' and 'Assigned Devices'. Below the tabs is a search bar labeled 'Filter objects' and a red box labeled '1'. To the right of the search bar are two icons: a folder and a document. Further to the right is a red box labeled '2' containing a small icon. The main list area contains two entries: 'ep2' (with a red box around it) and 'ep1' (also with a red box around it). Each entry has a small icon to its left and a red box labeled '3' to its right. The right side of the screen shows the path 'Devices / MyDevices' and the version '12.1.120+1'. Below this, another path 'Devices / MyDevices / TEST1' is shown with version '12.3.0-1.rc.2'.

1: Filters the devices / device directories assigned to the selected app. The filter criteria are linked with the operator **AND**.

- Click to remove all filters.

2: Detaches the selected device / device directory from the app.

3: Jumps to the corresponding device / directory and shows all **Assigned Objects** for it.

7 Setting Allows you to configure global settings for the app updates. See [Configuring Global Settings for the Update of IGEL OS Apps](#)(see page 94).

- How to Import IGEL OS Apps from the IGEL App Portal(see page 75)
- How to Set a Default Version of an App in the IGEL UMS(see page 78)
- How to Assign Apps to IGEL OS Devices via the UMS Web App(see page 80)
- Checking Installed Apps via the IGEL UMS Web App(see page 84)
- Detaching Apps from the IGEL OS Device in IGEL UMS Web App(see page 88)
- How to Delete Apps in the IGEL UMS Web App(see page 91)
- Updating IGEL OS Apps(see page 93)
- How to Export and Upload Apps to the IGEL UMS(see page 111)



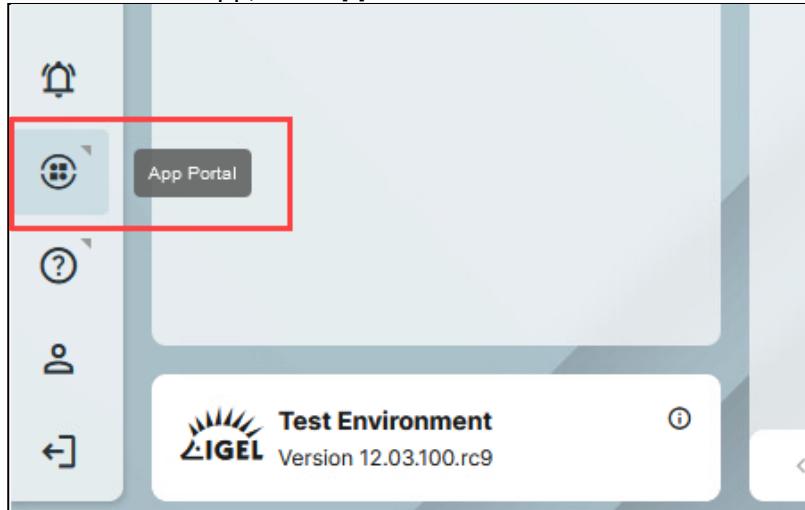
## How to Import IGEL OS Apps from the IGEL App Portal

To manage IGEL OS 12 devices, you need to import IGEL OS Apps of your choice from the IGEL App Portal.

- ⓘ To have access to the IGEL App Portal, you have to preliminary register your IGEL Universal Management Suite (UMS); see Registering the UMS.

To import apps to the IGEL UMS, proceed as follows:

1. In the UMS Web App, click **App Portal**.





2. Select the required app.

A screenshot of the IGEL UMS Web App interface. At the top, there's a navigation bar with the IGEL logo, "THE NEXT-GEN EDGE OS FOR CLOUD WORKSPACES", and "APP PORTAL UMS ADMIN". Below this is a search bar with filters for "Discover Our Apps", "ALL", "AVAILABLE", and "IMPORTED". A dropdown menu shows "Categories All" and "Sort by Name". A search bar and a magnifying glass icon are also present. The main area displays a grid of app cards. The "Chromium Browser" card is highlighted with a red box. Other visible apps include "CPCore Binary", "CUPS printing app", "Chromium ffmpeg codec", "Cisco Jvdi plugin", "Citrix Multimedia Codec", and "Citrix Workspace App". Each card provides details like last update, size, and category tags (e.g., Cloud, Peripheral, Browser, VDI, Cloud).

3. Select the required version and click **Import**.

A screenshot of the "Chromium Browser" app detail page. At the top, it shows the "APP PORTAL UMS ADMIN" header and the current location "All Apps &gt; Chromium Browser". The main content area features the app icon, the title "Chromium Browser", and a "VERSIONS" dropdown set to "108.0.5359.124 BUILD 1 RC 3". A large blue "IMPORT" button is positioned next to the dropdown. Below this, there are tabs for "DESCRIPTION" and "HISTORY". A detailed description of Chromium as an open-source browser project is provided. At the bottom, there are sections for "Categories" (Browser), "Author" (IGEL Technology GmbH), "Version" (108.0.5359.124 BUILD 1 RC 3), and "Published Date" (08. February 2023).

4. Accept the End User License Agreement (EULA) and wait for the import to be finished.



5. In the UMS Web App, go to **Apps** to view the imported app.

A screenshot of the UMS Web App interface. On the left, there's a sidebar with icons for Directory Tree, Browser, Base, Codec, Monitoring, Cloud, VDI, and Printing. The 'Browser' icon is selected. The main area has tabs for 'Directory Tree' and 'Browser'. The 'Browser' tab is active, showing a list of apps. One app, 'Chromium Browser', is highlighted with a red box. Below it, a tooltip says 'Newest Version is not Default Version'. To the right of the list is a detailed view of the 'Chromium Browser' app. It shows the app icon, name, and some status information: 'Newest imported version in UMS: 119.0.6045.105 BUILD 1.0', 'Default version for assignment: 112.0.5615.165 BUILD 1', and 'Newest version is not default version'. There are buttons for 'Set Default Version' and 'Export App (Metadata)'. At the bottom, there are 'Update Settings' options for 'Automatic Check for Updates in UMS' and 'Default Version for Assigned Devices'.



## How to Set a Default Version of an App in the IGEL UMS

If you have imported several versions of an app to the IGEL Universal Management Suite (UMS), you can define which version will be a **Default Version**.

**Default Version** is a version that will be assigned to a device / device directory if no version is specified during the assignment of an app (see [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 80)) or during the creation of a profile configuring this app (see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52)).

- ⓘ A **Default Version** is set globally: If changed, all assignments where no version was explicitly specified will change with it.
- ✓ The best practice is to use the **Default Version** during the app assignment and profile creation. The use of a specific version during the app assignment and profile creation is recommended for test purposes, e.g. to test app updates. After successful testing, you can change your Default Version.

Menu path: **UMS Web App > Apps**

To set a Default Version for an app:

1. Under **UMS Web App > Apps**, select the required app and click **Set Default Version**.

A screenshot of the IGEL UMS Web App interface. The left sidebar shows a tree view with 'All' selected, under which 'Browser' is highlighted. The main content area shows a list of apps with 'Chromium Browser' selected. On the right, a detailed view for 'Chromium Browser' is shown. It includes a 'Create new profile' button, a 'Set Default Version' button (which is highlighted with a red box), and a 'Delete App' button. Below this, there's a message 'Your version is up to date'. A green bar indicates 'Newest Imported Version' (108.0.5359.94 BUILD 3) and 'Default Version' (108.0.5359.94 BUILD 1 RC 1). At the bottom, there's a table titled 'Versions' with three rows: 'Default version (108.0.5359.94 BUILD ...)', '108.0.5359.94 BUILD 1 RC 1', and '108.0.5359.94 BUILD 3'. The first row is highlighted with an orange box. The 'Assigned Devices' column shows counts of 2, 0, and 0 respectively.



2. Select the desired Default Version.

The screenshot shows a user interface titled "Set Default Version". A dropdown menu is open under the heading "Version". The menu contains three items:

- 108.0.5359.94 BUILD 1 RC 1
- 108.0.5359.94 BUILD 1 RC 1 (highlighted with a yellow background)
- 108.0.5359.94 BUILD 3

3. Save the changes.



## How to Assign Apps to IGEL OS Devices via the UMS Web App

In the IGEL Universal Management Suite (UMS), there are two methods to assign an app to your devices:

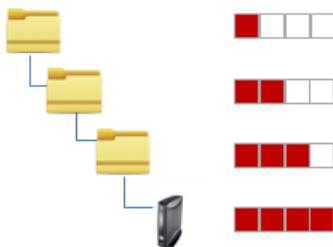
- Implicit app assignment via profiles: An app is automatically assigned to a device via a profile which configures this app. Exception: IGEL OS Base System app. See [How to Create and Assign Profiles in the IGEL UMS Web App](#) (see page 52).
- Explicit app assignment via the **Assign object** dialog, see below.

An explicitly assigned app ALWAYS overwrites an implicitly assigned app.

### Explicit App Assignment

For the assignment of the IGEL OS Base System app, the permission **Assign Base System / Firmware Update** is required. You can set the permission in the UMS Console via [context menu of a device / device directory] > **Access control**. General information on rights and permissions can be found under Create Administrator Accounts.

If various app versions have been assigned to a device (e.g. via direct and indirect assignment), the version which is closer to the device in the directory tree will have the priority and will be installed on the device.



To assign apps to a device / device directory, proceed as follows:

1. Under **UMS Web App > Devices**, select a device or device directory and click **Assign object**.

A screenshot of the UMS 12 web interface. The top navigation bar includes 'Devices', 'Configuration', 'Apps', and '3 more'. The main area shows a 'Directory Tree' on the left with categories like 'Devices (5)', 'Augsburg (4)', 'techdoc (4)', 'QA (1)', 'RD (3)', and 'Bremen (1)'. A specific device, 'ITC005056938D22', is selected in the center list, highlighted with a red box. On the right, there's a detailed view of the device with tabs for 'Edit Configuration', 'Shadow', 'Assign object' (which is also highlighted with a red box), 'Reboot', and 'Shutdown'. Below these are sections for 'Properties', 'Custom Properties', and tabs for 'Assigned Objects', 'System Information', 'Licenses', 'Network Adapter', and 'Installed Apps'.



2. Select the required app (and its specific version, if necessary).

**Info:** If no version is specified for an app during the assignment, the Default Version (see page 78) will be used. It is possible to select the version for an app in the **Assign Object** dialog either under **Assignable Objects** or under **Assignments**.

The screenshot shows the 'Assign Object to Device' dialog for device ITC005056938D22. The left panel, 'Assignable Objects', lists several apps: Chromium Browser, Citrix Multimedia Codec, IGEL OS, and CUPS printing app. The 'Chromium Browser' item is highlighted with a red box and has a red arrow pointing to its 'Default Ver...' dropdown. The right panel, 'Assignments', lists assignments for Terminal, OS12, Chromium, and OS 12. A red box surrounds the 'Terminal' assignment, and a red box surrounds the '→' button between the two panels. At the bottom are 'Cancel' and 'Save' buttons.



Assign Object to Device

ITC005056938D22

Filter objects

Assignable Objects

- Citrix Multimedia Codec
- IGEL OS
- CUPS printing app
- Zoom Media Plugins for VDI

Default Ver...

Assignments

- Chromium Browser
- Terminal
- OS12
- Chromium
- OS 12

Default Versio...

→ ←

Cancel Save

A screenshot of the 'Assign Object to Device' dialog in the UMS Web App. The dialog has two main sections: 'Assignable Objects' on the left and 'Assignments' on the right. In the 'Assignable Objects' section, there are four items: Citrix Multimedia Codec, IGEL OS, CUPS printing app, and Zoom Media Plugins for VDI. Each item has a 'Default Ver...' dropdown. In the 'Assignments' section, there are five items: Chromium Browser, Terminal, OS12, Chromium, and OS 12. Each item has a 'Default Versio...' dropdown. At the bottom right of the dialog are 'Cancel' and 'Save' buttons. The 'Save' button is highlighted with a red box and has a red arrow pointing to its 'Default Version' dropdown in the assignments list.

3. Save the changes.



- Decide when the changes should become effective.

**Update Time**

When should these changes take effect?

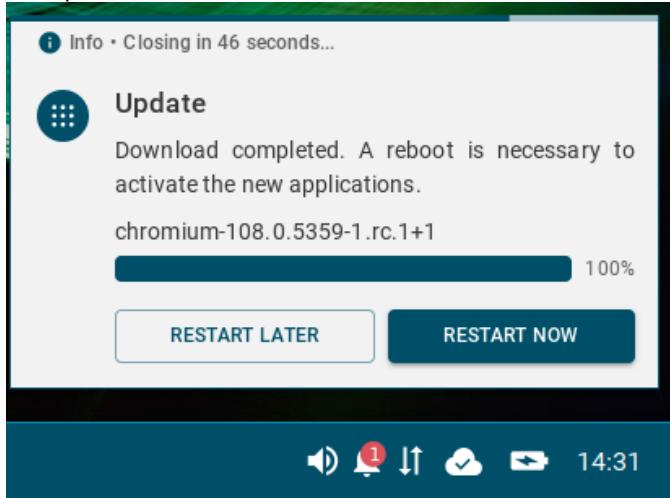
On reboot  Now

**✓ Confirm**

The app will be downloaded by the device.

- i** By default, apps / app versions are automatically activated at the next reboot. The user will receive a corresponding notification.

Example:



If you have configured the background app update, an **Update** command must be sent, instead. For details, see [How to Configure the Background App Update in the IGEL UMS Web App](#)(see page 108).

The assigned app is displayed in the UMS Web App under **Devices > Assigned Objects**.

To check the installed apps, go to **Devices > [name of the device] > Installed Apps**; see [Checking Installed Apps via the IGEL UMS Web App](#)(see page 84).



## Checking Installed Apps via the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can view all apps installed on the IGEL OS device, their status and time when the message about the status is delivered.

### **i** **Installed Apps ≠ Assigned Objects**

Under **Installed Apps**, you may see apps that are not listed under **Assigned Objects**.

Typical examples:

- You have just onboarded your IGEL OS 12 device. The system will automatically recognize and show your IGEL OS base app under **Installed Apps**. You will not see this app under **Assigned Objects** unless you decide to assign, for example, a new version for it.
- Apps with no configurable parameters (e.g. dependant apps, codecs) such as Chromium Multimedia Codec, Fluendo libva for Chromium, Citrix Multimedia Codec, are automatically installed on the device during the installation of the main app, e.g. Chromium Browser app, Citrix Workspace app. You will see them at first only under **Installed Apps**. However, if you decide to import another version of such an app and assign it to the device via the UMS, you will see it also under **Assigned Objects**.
- You decided not to use the UMS, but to install apps locally on the device. See e.g. [Installing IGEL OS Apps Locally on the Device](#).

To view the information about installed apps:

1. Under **Devices**, select the required device.
2. Select **Installed Apps**.



The screenshot shows the UMS Web App interface. On the left is a sidebar with icons for Directory Tree, Devices, MyDevices, and TEST1. The main area has tabs for TEST1 and ep1. The ep1 tab is active, showing a list of objects including ep1, 00505693271E, UCI-LX, and 12.3.0-1.rc.2. Below this is a 'Properties' panel with tabs for Edit Configuration, Shadow, Assign Object, and Reboot. At the bottom is a table titled 'Custom Properties' with a single row: 'No Custom Properties set'. The right side shows a navigation tree: Devices / MyDevices / TEST1. Below it is a table for 'Installed Apps' with three entries: FabulaTech Plugins, FabulaTech Scanner for Remote Desktop, and FabulaTech Webcam for Remote Desktop, all marked as 'Installed'. A red box highlights the 'Installed Apps' tab in the navigation bar.

Status	Description
<b>Installed</b>	The app is currently installed and usable.
<b>Downloaded</b>	The app is successfully downloaded but needs manual activation. Use the <b>Update</b> command for this purpose.
<b>Pending</b>	The app download was requested but cannot be done because of the multistage update. The app will be downloaded in multiple stages. Trigger the process manually using the <b>Update</b> command.
<b>Pending marked for installation</b>	The app download was requested but cannot be done because of the multistage update. The app will be downloaded in multiple stages. The multistage update will be done on reboot.
<b>Marked for installation</b>	The app is successfully downloaded and will be activated on the next reboot.
<b>Removal pending</b>	The app has been removed but needs manual activation. Use the <b>Update</b> command for this purpose.
<b>Marked for removal</b>	The app will be removed on the next reboot.
<b>Unusable</b>	The app is installed but not usable. This can happen, for example, if the app requires a certain license, which the device does not have. Example: The device has a Starter license, and thus cannot use MMCP.



<b>Download failed</b>	Download of the app has failed. This can happen, for example, if the App Portal was not reachable or the device has no valid authentication token.
<b>Activation failed</b>	The app could not be activated because the multistage update was needed, but the App Portal was not available when activating the app.  The device will repeat the app activation on the next reboot. If the background app update is configured, use the <b>Update</b> command, instead.
<b>Limited functionality</b>	The app partially works but some functionality is missing because of missing licenses. This can happen, for example, with the IGEL OS Base System app if a Starter license only or no license is available. As a result, multimedia codecs are disabled, and the base system is listed as limited functionality.
<b>Dependency error</b>	The app could not be installed because the dependencies are not met and could not automatically be resolved, for example, because a different version of IGEL OS Base System is required.
<b>Note:</b>	<b>Reboot</b> and <b>Update</b> commands can be found in the UMS Web App under <a href="#">Devices</a> (see page 15).  The <b>Update</b> command is only required if the background app update is configured; see <a href="#">How to Configure the Background App Update in the IGEL UMS Web App</a> (see page 108).

- ✓ To find out which devices have a certain app / app version installed or not installed, you can create a [search in the UMS Web App](#)(see page 10), using the criterion **App Installed**. You can also create a view in the UMS Console using the criterion **Installed Apps**. Under **App Version**, you **need to** specify a "technical" version of an app, e.g. 22.12.1-1.rc.2+1 (not 22.12.1 BUILD 1 RC 1 ). The technical version can be found under **UMS Web App > Apps > [name of the app] > Export App (Metadata)**.



The screenshot shows the IGEL Universal Management Suite 12 interface. On the left, the 'Server' sidebar is open, showing various management categories like Profiles, Firmware Customizations, Devices, Shared Workplace Users, Views, Jobs, Files, Universal Firmware Update, Search History, and Recycle Bin. The 'Views' item is selected and highlighted in blue. In the main pane, a 'Create new view' dialog is open. The 'Select criterion' section contains a search bar with 'app' typed in and a radio button for 'Installed Apps' which is selected and highlighted with a red box. Below the search bar, there is a note: '(leave blank means all versions)'. At the bottom of the dialog are 'Cancel', 'Finish', 'Next', and 'Back' buttons.



## Detaching Apps from the IGEL OS Device in IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can detach apps that you no longer require.

- ⚠** In the case of the explicit app assignment: If you detach an app from a device, this app will be **uninstalled on the device**. Exception: IGEL OS Base System app is non-uninstallable.
- In the case of the implicit app assignment: If you detach a profile from a device, the app configured via this profile will be **uninstalled on the device**.
- For more information on implicit and explicit app assignment, see [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 80).

Menu path: **UMS Web App > Devices > [name of the device / device directory] > Assign object**

To detach an app from your device, proceed as follows:

1. Under **Devices**, select the device / device directory from which you want to detach an app and click **Assign object**.
2. Select the app to be detached or, in the case of the implicit app assignment, a profile via which this app is installed on the device, and click the left arrow button.  
In the case of the explicit app assignment:



The screenshot shows the 'Assign Object to Device' dialog for a device named 'ep2'. The 'Assignable Objects' section lists several applications:

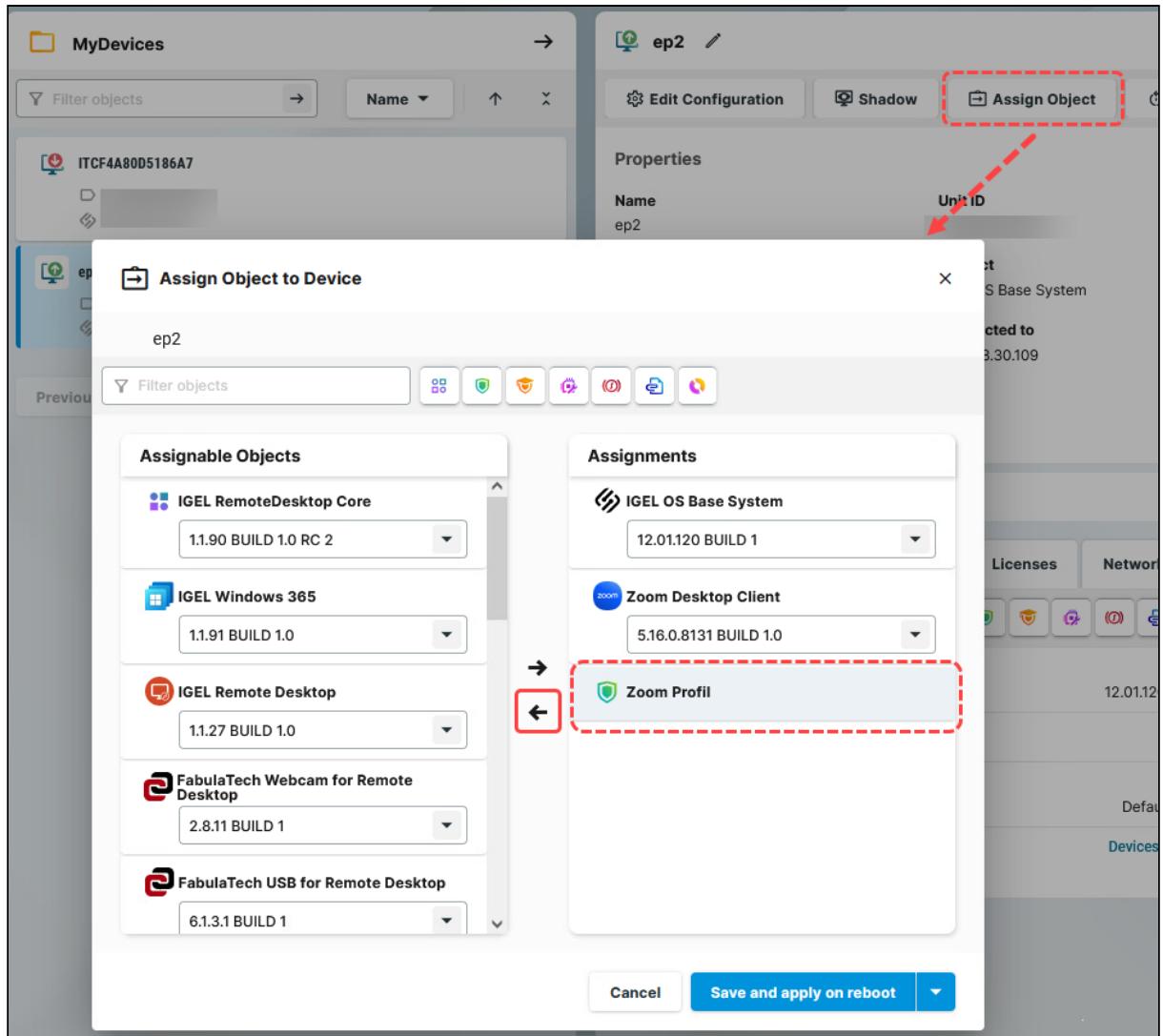
- IGEL RemoteDesktop Core (1.190 BUILD 1.0 RC 2)
- IGEL Windows 365 (1.191 BUILD 1.0)
- IGEL Remote Desktop (1.127 BUILD 1.0)
- FabulaTech Webcam for Remote Desktop (2.8.11 BUILD 1)
- FabulaTech USB for Remote Desktop (6.1.3.1 BUILD 1)

The 'Assignments' section shows the current assignments for 'IGEL OS Base System' (12.01.120 BUILD 1):

- Zoom Desktop Client (5.16.0.8131 BUILD 1.0) - highlighted with a red dashed box and a red arrow pointing to it.
- Zoom Profil

At the bottom right of the dialog are 'Cancel' and 'Save and apply on reboot' buttons.

In the case of the implicit app assignment:



- Decide whether the new settings are to take effect immediately or at the next reboot of the device and save accordingly.

If you have enabled the [background app update](#)(see page 108), the **Update** command must be sent to activate the changes.

#### *(i)* Quick Object Detaching

You can quickly detach objects from the devices through **Devices > [name of the device / device**

**directory] > Assigned Objects** by clicking the **Detach object** button



. For details, see [Assigning Objects in the IGEL UMS Web App](#)(see page 30).



## How to Delete Apps in the IGEL UMS Web App

In the IGEL Universal Management Suite (UMS) Web App, you can clean the app pool and delete apps and app versions that are no longer required.

- i** Only unused apps / app versions can be deleted.

If you delete an app / app version, it will be immediately removed from the UMS, i.e. without moving to the recycle bin.

**Tip:** If all objects that use an app seem to be removed, but it is impossible to delete the app since the system declares it as used, check the recycle bin for devices and profiles that can still use the app and delete them. For more information on the recycle bin, see Recycle Bin - Deleting Objects in the IGEL UMS.

Menu path: **UMS Web App > Apps**

### Deleting an App Version

To remove an app version:

1. Go to the **Apps** and select the required app.

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes tabs for UMS 12, Devices, Configuration, Apps (which is highlighted in yellow), and Network. Below the navigation is a sidebar with a back arrow, a gear icon, and a list of categories: All, Browser, Cloud, VDI, Unified Communication, Printing, Peripheral, and Base. The 'Browser' category is selected, as indicated by a yellow background. The main content area shows a table with one row, 'Chromium Browser', which is also highlighted with a red border. The table has columns for a small blue circular icon, the app name, and some other data. At the bottom of the content area are navigation buttons for page 1-1 of 1, a search bar labeled 'Filter objects', and sorting options.

2. Click **Versions**.

All available versions will be shown.

3. Click

- the brush symbol to delete all unused versions, i.e. that are not installed, assigned, used in profiles, or set as a Default Version



- to delete a specific version

Versions	Assigned Devices
3 Versions   2 Installed   1 Assigned   1 Profiles	
Default version (108.0.5359.94 BUILD ...)	
108.0.5359.94 BUILD 1 RC 1	
108.0.5359.124 BUILD 1 RC 2	
108.0.5359.94 BUILD 3	

## Deleting an App

To remove an app:

1. Under **Apps**, select the required app.

2. Click **Delete app**.

The screenshot shows the UMS 12 interface. In the left sidebar under 'Apps', 'Unified Communication' is selected, and 'zoom' is listed. The main panel shows the 'zoom' app details. At the top right of the app card is a 'Delete App' button, which is also highlighted with a red box. The app card itself shows the newest imported version (5.12.6.22200 BUILD 2 RC 1) and the default version (5.12.0.21940 BUILD 2). Below the card is a note about a newer version available (Version 5.13.1-1.rc.2+1 available!).



## Updating IGEL OS Apps

The update procedure for the IGEL OS base system does not differ from the procedure for other apps. The update and downgrade procedures are also the same.

To update your apps, you have to

1. Configure global settings for app updates.
  2. Configure update settings for individual apps.
  3. Trigger the app update.
- [Configuring Global Settings for the Update of IGEL OS Apps\(see page 94\)](#)
  - [Configuring Update Settings for Individual IGEL OS Apps\(see page 98\)](#)
  - [How to Trigger the App Update in the IGEL UMS\(see page 100\)](#)
  - [Multistage Update of IGEL OS Base System\(see page 104\)](#)
  - [How to Configure the Background App Update in the IGEL UMS Web App\(see page 108\)](#)



## Configuring Global Settings for the Update of IGEL OS Apps

When preparing for updating your IGEL OS Apps, you have to first check if the global update settings set by default in the IGEL Universal Management Suite (UMS) suit your needs and, if not, adjust them accordingly.

Menu path: **UMS Web App > Apps > Settings**

A screenshot of the UMS Web App interface. On the left, there's a sidebar with 'Apps' selected. The main area shows a list of apps: 'IGEL OS' and 'Chromium Browser'. A red dashed arrow points from the 'Settings' gear icon in the top right of the main area to the 'Settings' tab in the dialog box on the right. The 'Automatic Updates' tab is active. It contains two sections: 'Automatic check for updates' (set to 'Every second hour') and 'Updates will first be checked 17 minutes after server-startup' (set to '17 minutes (recommended)'). At the bottom are 'Reset' and 'Save' buttons.

### **i** Permissions

To access the **Apps** area, **App Management** permission is required. You can set the permission in the **UMS Console > System > Administrator accounts**.

To access various tabs under **Apps > Settings**, set the following rights:

- **UMS as an Update Proxy:** Permissions for the node **UMS Features** under **UMS Console > UMS Administration > Global Configuration**
- **App Portal and Automatic Updates:** Permissions for the node **Server Network Settings** under **UMS Console > UMS Administration > Global Configuration**

For how to set permissions, see Access Rights in the Administration Area.

## UMS as an Update Proxy

### UMS as an Update Proxy

**Devices should download the apps from:** Defines from where the devices should download the assigned apps / app versions:

- **Download directly from App Portal** (Default): The devices will download the assigned apps directly from the IGEL App Portal (defined in the tab **App Portal**). Only the metadata of the imported apps are stored on the UMS Server.



- **Download from UMS:** The devices will download the assigned apps from the UMS Server. Both the metadata and binaries of the imported apps are stored on the UMS Server; the app binaries can be found in the [IGEL installation directory]/rmguiserver/persistent/ums-appproxy/files .
  - If the app cannot be downloaded from the UMS for some reason (e.g. the UMS Server is unreachable), there is a fallback to the IGEL App Portal (defined in the tab **App Portal**) or to the hardcoded App Portal. If you want, however, to deactivate the fallback to the App Portal, you can use the following registry key:

<b>Parameter</b>	Use only repositories deployed by the UMS
<b>Registry</b>	update.use_only_manager_repos
<b>Type</b>	bool
<b>Value</b>	enabled / disabled (default)

- The synchronization with the App Portal is performed once a day. If the device requests an app before the synchronization (i.e. before the app binaries are available in the UMS), the app will be downloaded to the UMS Server, so that the device can take the app from there.
- Unused apps are automatically removed once a week.
- Apps are automatically synchronized between the UMS Servers.
- If you want to upload private builds or custom apps, click **Upload** button.  
The uploaded apps will be listed in the **UMS Web App > Apps** and will be stored in the [IGEL installation directory]/rmguiserver/persistent/ums-appproxy/files .



The screenshot shows the 'Settings' screen with three tabs: 'UMS as an Update Proxy' (highlighted with a red box), 'App Portal', and 'Automatic Updates'. Under the 'UMS as an Update Proxy' tab, there is a dropdown menu set to 'Download from UMS' (with a red arrow pointing to it) and an 'Upload' button (also highlighted with a red box). At the bottom are 'Reset' and 'Save' buttons.

**i** Uploaded apps cannot overwrite apps known to the official App Portal, i.e. apps that are available in the IGEL App Portal cannot be uploaded via the **Upload** button.

**!** If you have an IGEL UMS High Availability or Distributed UMS installation, note that a web certificate must be defined for all servers. It must contain the Cluster Address (if set) and all server addresses and be assigned to all servers. For detailed information on the Cluster Address and instructions on how to define a web certificate for all servers, see Server Network Settings in the IGEL UMS.

**✓** For better UMS performance and for avoiding problems with disk space, it is recommended to regularly delete unused apps / app versions. See [How to Delete Apps in the IGEL UMS Web App](#)(see page 91).

## PXE Configuration

**i** Deployment of IGEL OS via PXE is supported with IGEL OS 12.2.1 or higher. For details, see [How to Deploy IGEL OS 12 with PXE](#).



## App Portal

**App Portal base URL:** Specifies which App Portal should be used for importing apps.

- ⓘ Make NO changes here unless you know exactly what you are doing!

## Automatic Updates

### Automatic Check for Updates

Settings specified here will be used for all apps for which **Check for updates** or **Check for updates and auto-import into UMS** were set in the [Update Settings](#)(see page 98) area:

- **Updates will be checked every [number] minutes** (Default: Every second hour)
- **Updates will first be checked [number] minutes after server startup** (Default: 17)



## Configuring Update Settings for Individual IGEL OS Apps

For each app in the IGEL Universal Management Suite (UMS), you can define the update settings.

Main path: **UMS Web App > Apps > [name of the app] > Update Settings**

A screenshot of the UMS Web App interface. The top navigation bar includes 'Devices', 'Configuration', 'Apps' (which is selected), and '3 more'. Below the navigation is a search bar and a breadcrumb trail: 'All &gt; All &gt; Apps &gt; Chromium Browser'. A modal window titled 'Update Settings' is open over the main content. Inside the modal, there are three radio button options under 'Automatic check for updates in UMS': 'Check for updates' (selected), 'Check for updates and auto-import into UMS', and 'Do not check for updates'. Below this is a section for 'Default Version for assigned Devices' with two radio button options: 'Auto-update Default Version to newest Version' (selected) and 'Update Default Version manually'. At the bottom of the modal are 'Save' and 'Cancel' buttons. The background shows a list of installed apps: IGEL OS, Chromium Browser (selected), libva for Chromium, Chromium Multimedia Codec, and Cisco Webex VDI. To the right of the list, there are sections for 'Categories: Browser', 'Assigned Devices', and status indicators: '3 Versions', '1 Installed', '2 Assigned', and '1 Profiles'. A red arrow points from the text 'Select the required settings:' towards the 'Update Settings' modal.

To configure the update settings for an individual app:

1. In the **UMS Web App > Apps**, select an app and navigate to **Update Settings** area.

2. Click .

3. Select the required settings:

### Automatic check for updates in UMS

- **Check for updates** (Default): It will be automatically checked if a newer version of the app is available in the IGEL App Portal. The check is performed every 120 minutes (can be configured under [Apps > Settings > Automatic Updates](#)(see page 94)). You can trigger the import into the UMS by clicking the **Import newest version from App Portal** button.
- **Check for updates and auto-import into UMS**: If available, a newer version of an app will be automatically imported from the IGEL App Portal. The automatic check for updates is performed every 120 minutes (can be configured under [Apps > Settings > Automatic Updates](#)(see page 94)).
- **Do not check for updates**: It will not be automatically checked if a newer version of the app is available in the IGEL App Portal. You can manually check for updates by clicking the **Check for updates** button.



### Default Version for assigned devices

- **Auto-update Default Version to newest version:** The newest imported version of an app will be automatically set as a **Default Version**. This does not apply to the already imported versions.

**i** It is recommended to set a **Default Version** manually since a Default Version is set globally: If changed, all assignments where no version was explicitly specified will change with it.

- **Update Default Version manually** (Default): You can manually select which version will be a **Default Version**, see [How to Set a Default Version of an App in the IGEL UMS](#)(see page 78).

4. Save the settings.



## How to Trigger the App Update in the IGEL UMS

IGEL Universal Management Suite (UMS) offers several possibilities to update your IGEL OS Apps. Generally, you can choose between changing the Default Version of an app or selecting a specific version.

- ✓ The best practice is to use the **Default Version**.

Using a specific version is recommended for test purposes, e.g. to test app updates. After successful testing, you can change your **Default Version**.

The update procedure for the IGEL OS Base System does not generally differ from the procedure for other apps. The update and downgrade procedures are also the same.

- ⓘ For the assignment of the IGEL OS Base System app, the permission **Assign Base System / Firmware Update** is required. You can set the permission in the UMS Console via **[context menu of a device / device directory] > Access control**.  
For general information on rights and permissions, see Create Administrator Accounts.

### Options to Trigger the App Update

- ⓘ Remember that the app should already be assigned to the device. This fact can be forgotten, esp. if you update your IGEL OS Base System for the first time.

As soon as a new app version has been imported to the UMS, you can use one of the following options to start the app update:

- Set manually the new version as a **Default Version** if you decided against **Auto-update Default Version to newest version** under [Apps > \[name of the app\] > Update Settings](#)(see page 98). See [How to Set a Default Version of an App in the IGEL UMS](#)(see page 78)

**⚠** Changing a **Default Version** should be a well-considered decision. Therefore, it is recommended to set a **Default Version** manually.

- In the case of the explicit app assignment: Go to **Devices > [device / device directory name] > Assign object** and select the new version under **Assignments**. For more information on the explicit app assignment, see [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 80).



The screenshot shows the "Assign Object to Device" dialog for profile ITC005056938D22. The left panel, titled "Assignable Objects", lists several items: Cisco Webex VDI, Chromium Multimedia Codec, libva for Chromium, and Citrix Multimedia Codec. The right panel, titled "Assignments", lists assignments for the Chromium Browser, IGEL OS, Shadowing, Language, OS 12, and Terminal. A red arrow points to the dropdown menu next to the IP address "108.0.5359...." for the Chromium Browser assignment. At the bottom are "Cancel" and "Save" buttons.

- In the case of the implicit app assignment: Open a profile via which the app is assigned, click **Show Versions** in the upper right corner, and select the new version in the App Selector. For more information on the implicit app assignment, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).



App Selector - Chromium

In OS 12 you can define what apps should be configured by a profile. Please select at least one app. (You can choose from Base System and/or Apps.) This selection can always be changed.

Apps

App	Version
Citrix Workspace app	Default version
Chromium Browser	108.0.5359.94 BUILD 1 RC 1
Zoom Media Plugins for VDI	Default version
Cisco W...	108.0.5359.94 BUILD 1 RC 1 108.0.5359.124 BUILD 1 RC 2 108.0.5359.94 BUILD 3

A red arrow points to the dropdown menu for the Chromium Browser's version, which is currently set to "108.0.5359.94 BUILD 1 RC 1".

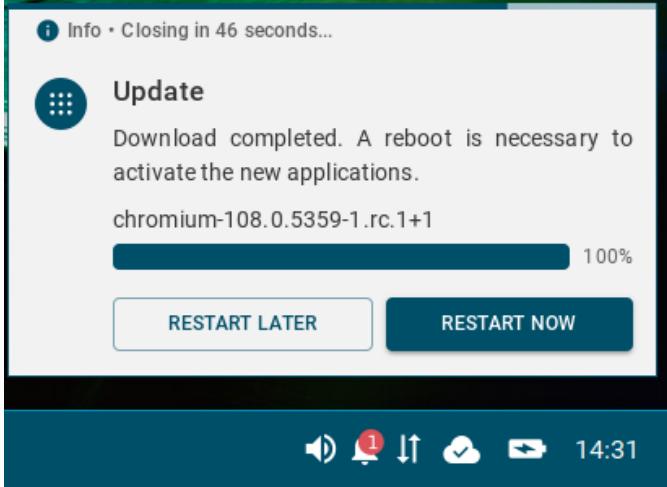
- ⓘ This method is NOT applicable to the IGEL OS Base System since the IGEL OS Base System app can only be assigned explicitly.

### After the App Update Has Been Triggered...

After you have changed the Default Version or selected a specific version for the assigned app, this new version will be downloaded by the device.

- ⓘ By default, apps / app versions are automatically activated at the next reboot. The user will receive a corresponding notification.

Example:





If you have configured the background app update, an **Update** command must be sent, instead. For details, see [How to Configure the Background App Update in the IGEL UMS Web App](#)(see page 108).

- ⓘ If there is not enough space for storing the new base system during the update of IGEL OS, the multistage update will be triggered. See [Multistage Update of IGEL OS Base System](#)(see page 104).

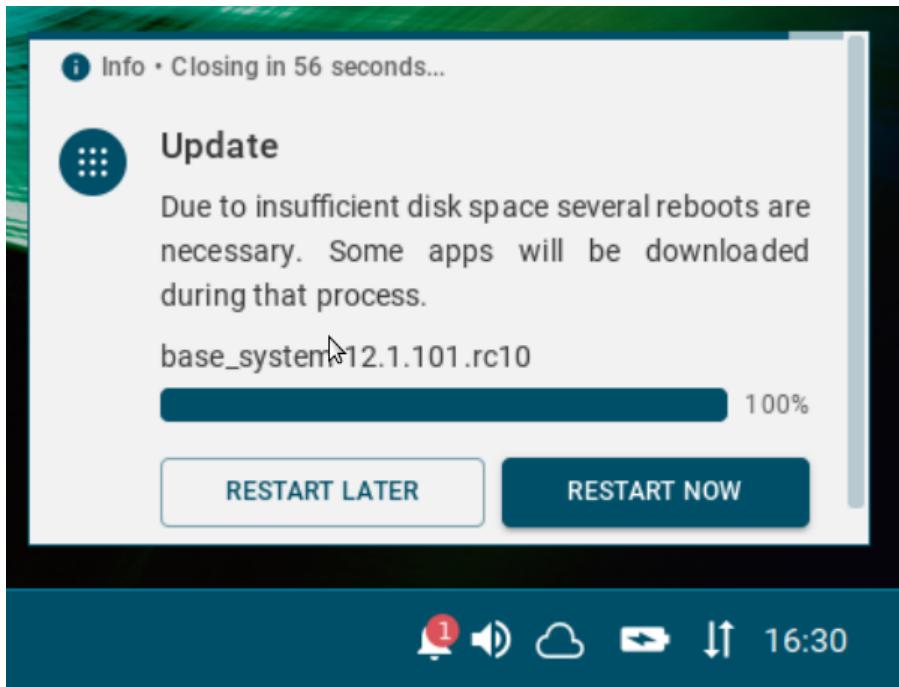


## Multistage Update of IGEL OS Base System

IGEL OS 12 supports the multistage update.

- ⓘ The multistage update is only triggered if there is not enough space for storing the new base system during the update of IGEL OS. This can happen, for example, on devices with small storage or with a large custom partition.

During the multistage update, the device will automatically reboot multiple times. The user will receive a corresponding notification and can close opened applications to prevent data loss before the timeout for the restart is over. Alternatively, the user can postpone the reboot. For where to configure the timeout and reboot options for the app installation, see [IGEL OS Notification Center](#).

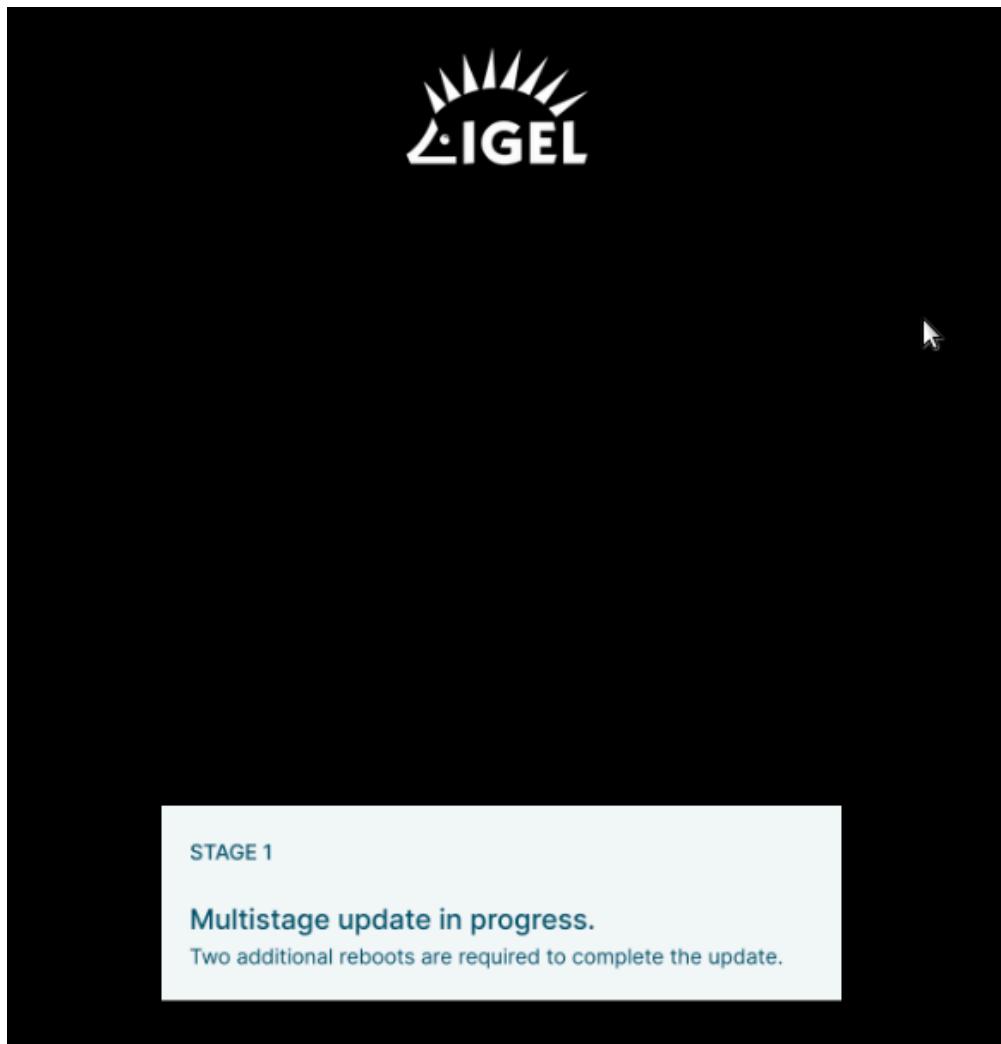


During the reboots, the user will be notified about each corresponding stage of the update process.

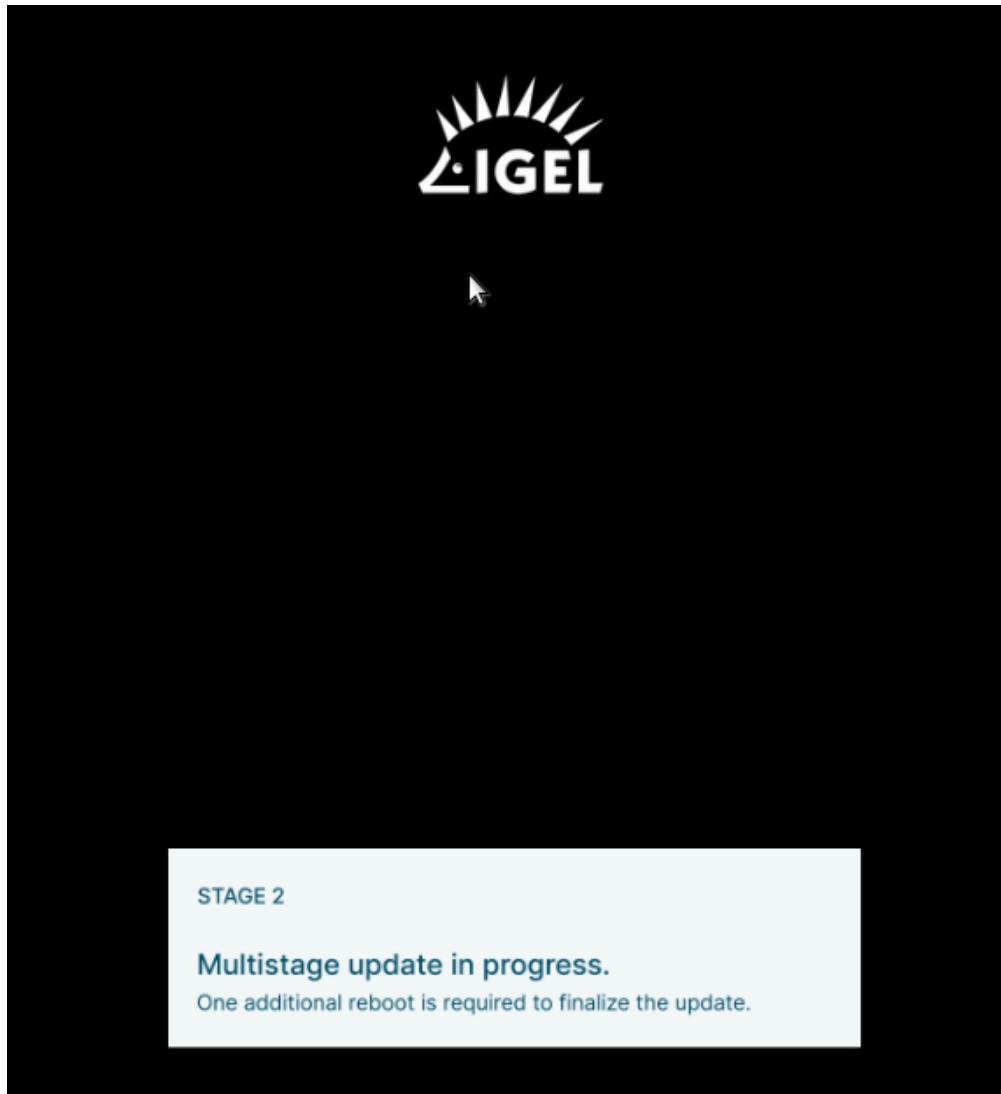
The multistage update includes the following stages:

- **Stage 1:** After the signal for the update is received, the system will reboot to the old system and will delete the installed apps and parts of the old base system to free as much space as possible. After that, the new base system will be downloaded.

During this stage, the user will see only the following screen and cannot access the GUI of the device, terminal, etc.

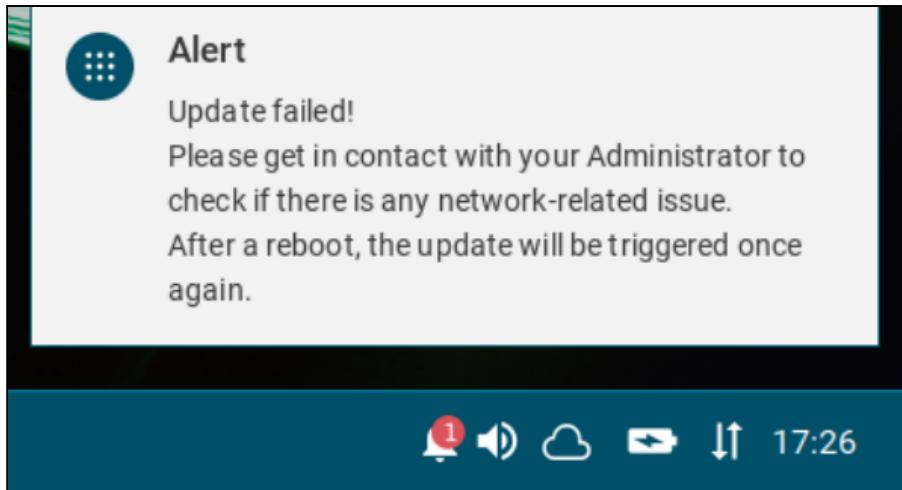


- **Stage 2:** The system will reboot to the new system and download the rest of the base system. During this stage, the user will see only the following screen and cannot access the GUI of the device, terminal, etc.



- **Stage 3:** The system will reboot to the new complete base system and will download all previously installed apps. The system will reboot and activate all apps.

If the multistage update fails for some reason, the system will boot again in the GUI with the minimal system required for that and will show the following message. Depending on the stage when the failure happens, apps may not be present in the system.



Possible reasons for the failure of the multistage update can be, for example:

1. Unstable network connection during the update process.

**i** The network connection is checked only initially, i.e. before the multistage update starts: If no network connection can be established within 60 seconds, the multistage update will be aborted. You can change this parameter under **System > Update > Seconds to wait for network connection during a multistage update**.

2. Expired license (no matter if it is a Starter, Demo, or Workspace Edition license) if the [background app update](#)(see page 108) is enabled.

If the multistage update fails, it is recommended to check the log file `/wfs/update_<time>.log`.

You may find it also useful to activate debugging as described under [Debugging / How to Collect and Send Device Log Files to IGEL Support](#).



## How to Configure the Background App Update in the IGEL UMS Web App

By default, apps / app versions assigned to the device will be automatically activated at the next reboot. This is regulated by the IGEL OS setting **System > Update > Activate app after the installation**.

If you have a slow bandwidth connection or do not want the users to be disturbed while updates are being performed, you can activate the background app update. In this case, the manual app activation via the **Update** command in the UMS will be required.

To enable the background app update:

1. Create a profile for the IGEL OS base system. For details on how to create profiles, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', 'Network', and '2 more'. A red arrow points from the 'Profiles' section in the left sidebar to the 'Base System' section in the main content area. The main content shows a 'Base System' section with a checkbox for 'IGEL OS' which is checked and highlighted with a red box.

2. Under **System > Update**, disable **Activate app after the installation**:

A screenshot of the 'Profile Configurator - Background app update' dialog. The left sidebar shows sections like 'Accessories', 'User Interface', 'Network', 'Devices', 'Security', and 'System'. The 'System' tab is selected. The right panel shows 'App Update settings' with several options: 'Automatical reboot of system once App is installed' (checked), 'Timeout for automatical reboot in seconds' (set to 70), 'Use a bandwidth limit while updating' (checked), 'Limit bandwidth used for updating' (set to 2MB), 'Seconds to wait for network connection during a multi stage update' (set to 60), and 'Activate app after the installation' (unchecked). A red box highlights the 'Activate app after the installation' option.

**Activate app after the installation**



- **enabled** (Default): Apps / app versions will be automatically activated at the next reboot.
- **disabled**: Apps / app versions can be assigned to a device, but they will not be activated. This means an app / app version will be transferred to the device, but it will not actually be installed. The device can be rebooted, but this will not activate apps / app versions. To activate them, the **Update** command must be sent.

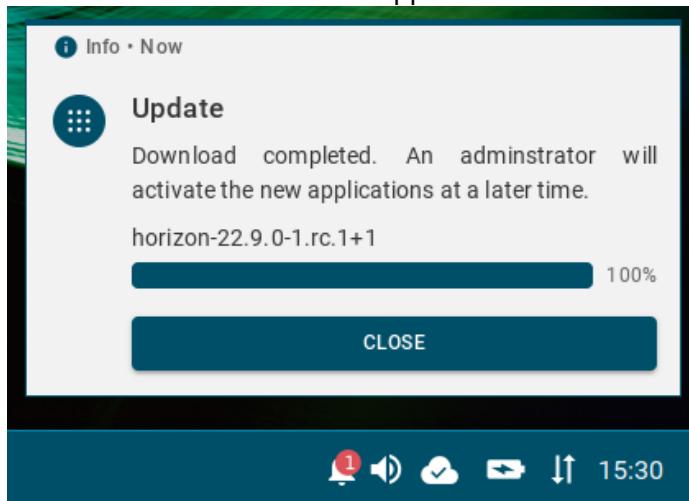
3. Optional: If you need to limit the bandwidth usage during the app download (e.g. if you see that updates affect the performance of the network), activate **Use a bandwidth limit while updating** and define the required limit under **Limit bandwidth used for updating**.

When specifying **Limit bandwidth used for updating**, note the following:

- Do NOT use spaces between the number and the unit.
- Use only KB, MB, and GB .
- If no unit is specified, megabytes (MB) will be used.
- If the limit is specified incorrectly, the default value ( 2MB ) will be used.

4. Save the settings.
5. Assign the profile to the devices under **Devices > [name of the device / device directory] > Assign object**. For details on how to assign profiles, see [How to Create and Assign Profiles in the IGEL UMS Web App](#)(see page 52).
6. Assign the required app / app version or a profile configuring the required app to your devices. See [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 80).

The devices will download the app. Your users will receive a corresponding notification:



7. You can activate the apps at a later date by sending the **Update** command.



- Before triggering the **Update** command, you may want to check if all apps have been successfully transferred to the devices. You can find the status of apps under **Devices > [name of the device] > Installed Apps**, see [Checking Installed Apps via the IGEL UMS Web App](#)(see page 84).

A screenshot of the IGEL UMS Web App interface. The left sidebar shows a directory tree with categories like Devices, Augsburg, techdoc, RD, and Bremen. The main panel displays a list of objects under 'RD'. One object, 'ITC005056938D22', is selected. On the right, there's a detailed view of this object with tabs for Assigned Objects, System Information, Licenses, and Network Adapter. Below these tabs, there's a section for 'Background app update' which lists several apps: Terminal (OS12), Chromium (OS12), Chromium Browser (Default Version 108.0.5359.94 BUILD 1), IGEL OS (Default Version 12.01.100 BUILD 1), and VMware Horizon Client (Default Version 22.9.0 BUILD 1 RC 1). To the right of the object view is a vertical menu with options like Wake up, Suspend, Send settings, Receive settings, Reset to factory defaults, Update (which is highlighted with a red box and a red arrow pointing to it), Update on shutdown, Refresh system information, Refresh license information, and Send Message.

- Alternatively, you can create a scheduled job for the **Update** command in the **UMS Console > Jobs** and assign it to the devices / device directory or a view. The app activation will be performed on the corresponding devices according to the schedule specified in the job. For more information on jobs, see [Jobs](#).

**i If You Want to Switch Back to the Default Behavior**

Before deactivating the background app update, it is recommended to send the **Update command** to all devices and verify that apps have successfully been installed.



## How to Export and Upload Apps to the IGEL UMS

In the IGEL Universal Management Suite (UMS) Web App, you can export apps and upload them. This can be helpful for support purposes or when transferring app data from one UMS installation to another.

- Currently, it is possible to export only app metadata, i.e. no app binaries.

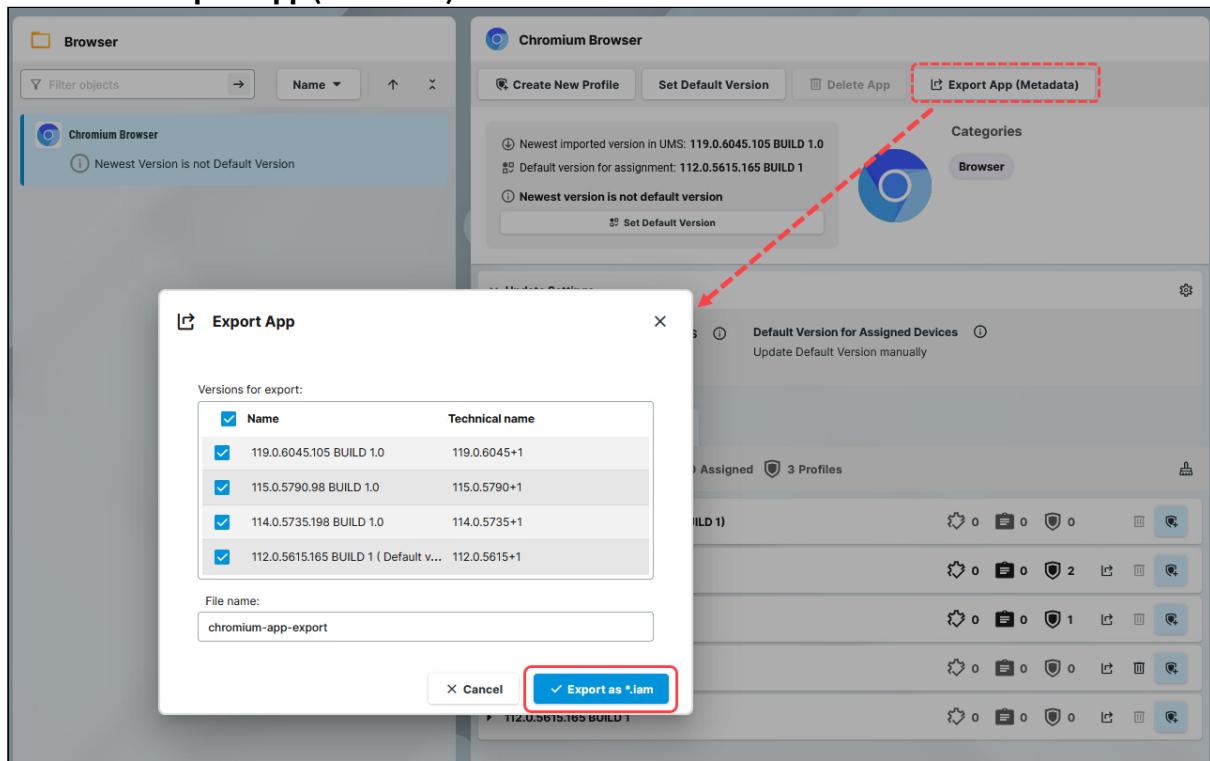
Menu path: **UMS Web App > Apps**

### Exporting Apps

To export an app:

1. In the **UMS Web App > Apps**, select the required app.

2. Click **Export App (Metadata)**.



3. Select the app versions you want to export.



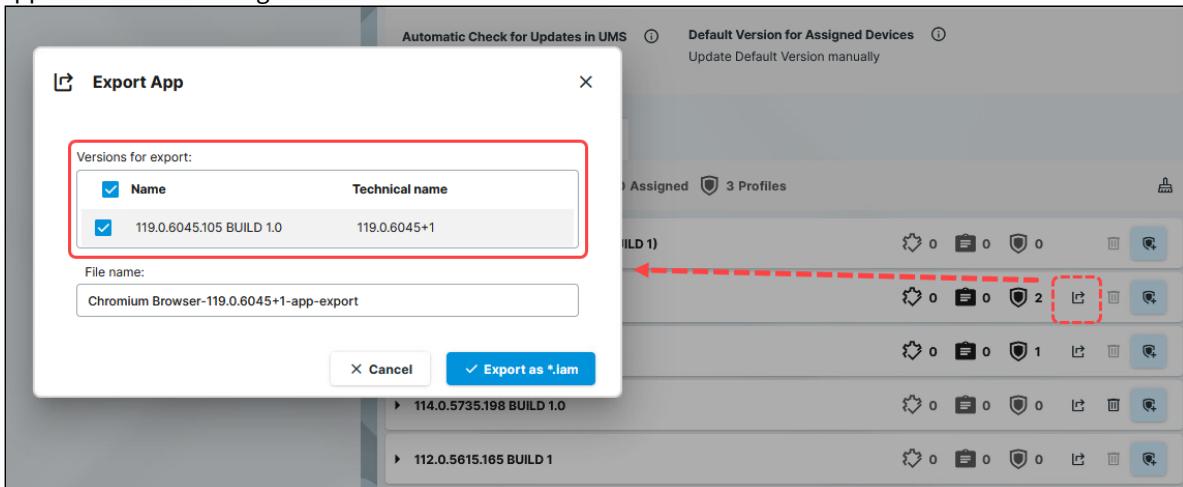
4. Specify the **file name**.

5. Confirm the export.

The metadata of the selected app version(s) will be saved in an `.iam` file and can now be uploaded, for example, to another UMS installation.

(i) If you want to export a specific version of an app, you can also do that in the **Versions** tab by selecting the

app version and clicking .



## Uploading Apps

(i) In case of the enabled UMS as an Update Proxy feature and the disabled fallback to the IGEL App Portal, upload an app via **UMS Web App > Apps > Settings** **> UMS as an Update Proxy > Devices should download the apps from ... = "Download from UMS" > Upload**. Only files in the `.ipkg` format can be uploaded. See [Configuring Global Settings for the Update of IGEL OS Apps](#)(see page 94).

To upload an app to the UMS:

1. Under **UMS Web App > Apps**, click **Upload App** .

2. Select the required file.

Only files in the `.iam` and `.ipkg` format can be uploaded.



A screenshot of the UMS 12 web interface. The top navigation bar includes 'Devices', 'Configuration', 'Apps' (which is selected), and '3 more'. Below the navigation is a sidebar with 'All' and 'Apps'. The main content area shows a 'Printing' folder containing a 'CUPS printing' app. A red arrow points from the 'Upload App' button in the sidebar to the 'Upload App' dialog box. The dialog box has a title 'Upload App', a central area for dragging files or clicking 'Browse files...', and a note about allowed file formats: '.iam, .ipkg'. A 'Cancel' button is at the bottom right.

3. Confirm the upload.

A screenshot of the 'Upload App' confirmation dialog. It shows a message 'File successfully uploaded' above a list of uploaded files: 'thinlinc-app-export.iam' (0.02 MB) with a green checkmark. Below this, a message says 'Your upload is complete. Press New upload to start a new File Upload'. At the bottom are two buttons: 'New upload' and a 'Confirm' button, which is highlighted with a red box.

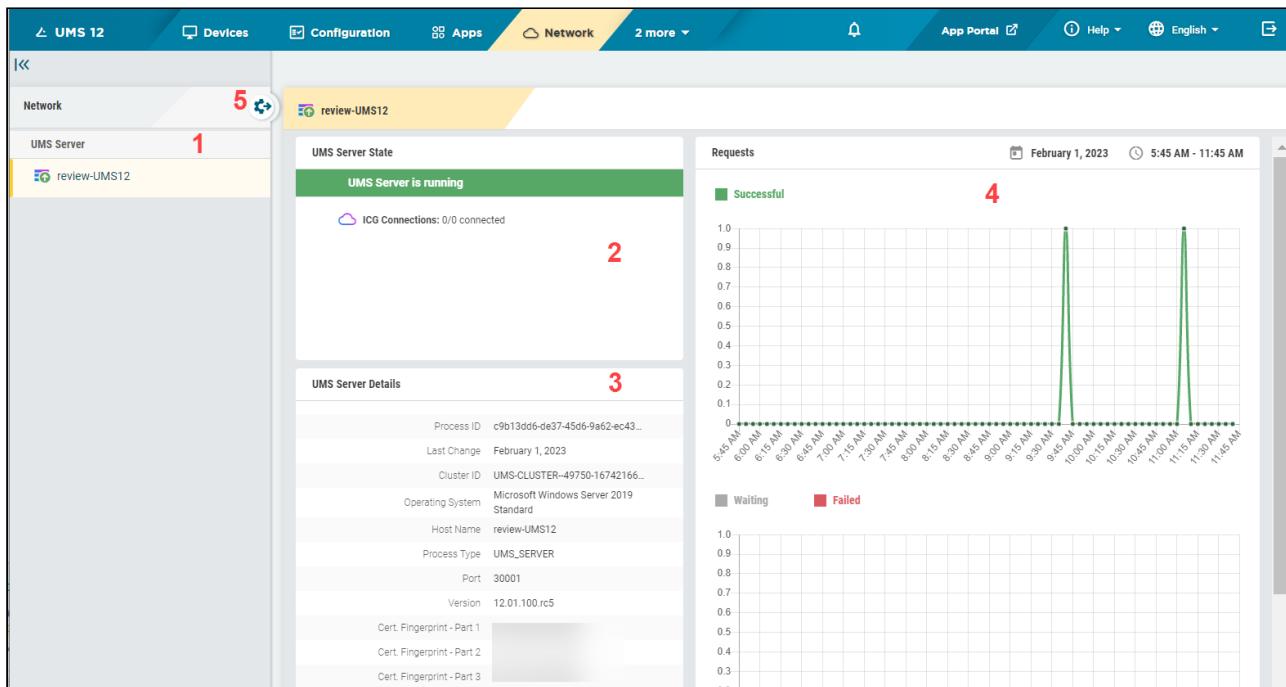
The uploaded app will be automatically placed in the corresponding app directory. You can now assign the app to your endpoint devices or create profiles that configure this app.



## Network Settings in the IGEL UMS Web App

In the **Network** area of the IGEL Universal Management Suite (UMS) Web App, you can find information on all connected UMS Servers, UMS Load Balancers, and IGEL Cloud Gateways. You can also find here the OBS Routing details for IGEL Onboarding Service and specify the nickname for your UMS.

Menu path: **UMS Web App > Network**



1	List of all available UMS Servers / UMS Load Balancers / IGEL Cloud Gateways (ICG)
2	<ul style="list-style-type: none"> <li>Status of the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway, see "Status Displays" below.</li> <li>Status of UMS Server / ICG connections (connected, disconnected, unknown)</li> <li>Number of currently connected devices (only for the ICG)</li> </ul>
3	Details for the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway
4	Statistics for the device requests
5	Opens the <b>Settings</b> area, see below



## Status Displays

### UMS Server

The following icons show the status of the installed UMS Servers.

	The UMS Server is running.
	The UMS Server is not running.
	The status of the UMS Server is unknown (e.g. when a new server is being propagated in the network) or has not yet been processed.
	The user is not authorized to view details for the UMS Server.
	The UMS Server is being updated.

### UMS Load Balancer

The following icons show the status of the installed UMS Load Balancers.

	The Load Balancer is running.
	The Load Balancer is not running.
	The status of the UMS Load Balancer is unknown (e.g. when a new load balancer is being propagated in the network) or has not yet been processed.
	The user is not authorized to view details for the Load Balancer.
	The Load Balancer is being updated.

### IGEL Cloud Gateway

The following icons show the status of the installed IGEL Cloud Gateways.

	The IGEL Cloud Gateway is running.
	The IGEL Cloud Gateway is not running.



	The status of the IGEL Cloud Gateway is unknown or has not yet been processed.
	The user is not authorized to view details for the IGEL Cloud Gateway.
	The IGEL Cloud Gateway is being updated.

## Settings

Click to open the **Settings** area.

A screenshot of the IGEL UMS Web App's Settings page. The page has a header with a gear icon and the word "Settings". Below the header is a navigation bar with three tabs: "IGEL OS Onboarding" (which is selected), "Network", and "UMS Features". Under the "IGEL OS Onboarding" tab, there is a section titled "OBS Routing Info" with a help icon. It contains two input fields: "UMS Hostname" with the value "192.168.30.109" and a copy icon, and "UMS Port" with the value "8443" and a copy icon. There is also a button labeled "Download Certificate Chain" with a download icon.

### IGEL OS Onboarding

Here, you can find **OBS Routing information** which is required if you use IGEL Onboarding Service (OBS). To copy

the data, click .

#### UMS Hostname

Hostname (Fully Qualified Domain Name) or IP address of the UMS Server.



If configured, the Cluster Address or the Public Address is used here (in the order given).

#### UMS Port

Port under which the UMS can be reached. The default port of the UMS web server is 8443. For details on the ports used by the UMS, see [IGEL UMS Communication Ports](#).

If configured, the Cluster Address Port or the Public Web Port is used here (in the order given).

#### Download Certificate Chain

Downloads the UMS root certificate with `.crt` file extension.

## Network

#### Nickname

A name specified here is displayed in the info box of the UMS Web App as well as in the browser tab and helps to distinguish one UMS instance from another.



- ⓘ To change the value, permission for the node **Server Network Settings** under **UMS Console > UMS Administration > Global Configuration** is required.  
For how to set rights, see Access Rights in the Administration Area.

## UMS Features

- ⓘ Permission for the node **UMS Features** under **UMS Console > UMS Administration > Global Configuration** is required.  
For how to set rights, see Access Rights in the Administration Area.

#### Enable Template Profiles



- Template profiles are enabled. For information on template profiles, see [Template Profiles in the IGEL UMS](#).

#### **Enable Priority Profiles**

- Priority profiles are enabled. For information on priority profiles, see [Priority Profiles in the IGEL UMS](#).

#### **Enable Insight Service**

- Enables IGEL Insight Service if you accept the privacy policy in the dialog opened and click **Activate**. When you activate the IGEL Insight Service, IGEL collects specific analytical and usage data; see [IGEL Insight Service](#).
- Disables IGEL Insight Service.



## Logging in the IGEL UMS Web App

In the **Logging** area of the IGEL Universal Management Suite (UMS) Web App, you can activate logging and search for log messages according to the configured search parameters.

- i Not all actions performed in the UMS Console are displayed in the UMS Web App. Logs of the UMS Web App are not displayed in the UMS Console; for where to find them, see [Logging](#).
- ! It is recommended to delete unnecessary logs regularly to avoid problems with insufficient disk space.

Menu path: **UMS Web App > Logging**

Log messages are available if:

- Logging is enabled either
  - under **UMS Web App > Logging > Settings** (see below)
  - or
  - under **UMS Console > UMS Administration > Global Configuration > Logging** (see [Logging](#))
- A user has sufficient rights. For details on where you can define permissions, see General Administrator Rights and Access Rights in the Administration Area.

The last search configuration is automatically saved and restored on the next visit of the **Logging** area.

When no values are specified in the search mask, all available log messages are shown.

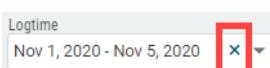
The screenshot shows the IGEL UMS Web App interface with the "Logging" tab selected. The search mask on the left includes fields for Logtime (After: Jul 1, 2023), Severity (Information), Category (Device, Device command, App), Action (Information), Name of the Affected Object, and Message. A red arrow points to the "After" dropdown in the Logtime field. The search results table on the right lists log entries with columns: Logtime, Username, Severity, Category, Action, Name of the Affected Object, Message, and Origin. A red number "3" is placed over the third log entry. The top of the page shows the navigation bar: UMS 12, Devices, Configuration, Apps, Search, Network, Logging, App Portal, Help, English, and a user icon.

Logtime	Username	Severity	Category	Action	Name of the Affected Object	Message	Origin
7/24/23, 4:18:25 PM		Information	Device command	pushsettings	005056938D22	Command pushsettings...	DEVICE
7/24/23, 4:14:10 PM	admin	Information	Device	Reboot	ITC005056938D22		Webapp
7/24/23, 2:17:18 PM	admin	Information	App	Download app	thinlinc	Import of thinlinc, versio...	Webapp
7/24/23, 2:09:31 PM	admin	Information	App	Download app	cwa	Import of cwa, version: ...	Webapp
7/24/23, 2:09:02 PM	admin	Information	App	Download app	thinlinc	Import of thinlinc, versio...	Webapp
7/24/23, 12:28:53 PM	admin	Information	Device	Send settings	ITC005056938D22		Webapp
7/24/23, 12:07:53 PM	admin	Information	Device	REGISTER_TC	192.168.27.38	ERROR: Certificate invalid	Webapp
7/20/23, 3:30:07 PM	admin	Information	App	Download app	cups_printing	Import of cups_printing...	Webapp
7/20/23, 1:54:11 PM	admin	Information	Device	Send settings	ITC00E0C520986A	Connection timed out: n...	Webapp
7/20/23, 1:53:48 PM	admin	Information	Device	Send settings	ITC0050569356CB		Webapp

1 Search mask

Search criteria for the logs (linked with logical AND)



		 <p>To remove a value, click <b>Nov 1, 2020 - Nov 5, 2020</b> and then <b>Search</b>. This updates the search results.</p>
2	Search tags	<p>Show the search parameter values specified in the search mask.</p> <p>If you switch to another area, e.g. <b>Devices</b>, and back, the search tags will remind you that the previous search configuration is still active.</p>
3	Log list	<p>Shows all logs that match the search criteria.</p> <ul style="list-style-type: none"> <li>• Paging for the navigation in the log list</li> <li>• Defining the number of log messages to be displayed on one page</li> <li>• Sorting within any selected column</li> <li>• Tooltips, useful in case of truncations</li> </ul>
4	Clear data	<p>Deletes the logs that are older than the number of days set.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p><b>⚠</b> To delete the logs, a user must have the right "Delete Log Messages", see General Administrator Rights. Directly after the deletion of logs, a message "No matching logs found" appears. Wait for the next reindexing to view the updated list of the log messages. However, you can immediately view and search for new logs, i.e. logs for actions performed after the deletion procedure.</p> </div>
5	Settings	Allows you to configure logging settings, see below.

## Settings

- Click  to open the **Settings** area.



A screenshot of the IGEL UMS Web App's Settings interface. The left sidebar has a gear icon and the word "Settings". The main area has a yellow header bar with the text "Logging Configuration". Below it, a section titled "Define what interactions should be logged." contains three checked checkboxes: "Enable logging", "Log administrator data", and "Log command data sent by device (OS12 or newer)". At the bottom are two buttons: "Reset" and "Save" (which is highlighted in blue).

### Enable logging

- UMS user actions will be logged. This activates logging for the UMS Console and for the UMS Web App.
- UMS user actions will not be logged. This disables logging for the UMS Console and for the UMS Web App. (Default)

The following options are available if **Enable logging** is activated:

#### Log administrator data

- The name of the administrator who started the action will be logged. This activates the logging of the administrator name for the UMS Console.
- The name of the administrator who started the action will not be logged. This disables the logging of the administrator name for the UMS Console. (Default)

#### Log command data sent by device (OS 12 or newer)

- Actions initiated by a device, i.e. each command an IGEL OS 12 device sends to the UMS, will be logged.
- Actions initiated by a device will not be logged. (Default)