



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 [Installing an IGEL UMS Server](#).

- ⚠** 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

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.

- [Basic Overview of the IGEL UMS Web App](#)(see page 3)
- [Important Information for the IGEL UMS Web App](#)(see page 14)
- [How to Log In to the IGEL UMS Web App](#)(see page 16)
- [Devices - View and Manage Your Endpoint Devices in the IGEL UMS Web App](#)(see page 17)
- [Configuration - Centralized Management of Device Settings in the IGEL UMS Web App](#)(see page 44)
- [Apps - Import and Configure Apps for IGEL OS 12 Devices via the UMS Web App](#)(see page 67)
- [Network Settings in the IGEL UMS Web App](#)(see page 108)
- [Logging in the IGEL UMS Web App](#)(see page 112)
- [Search for Devices in the IGEL UMS Web App](#)(see page 115)



Basic Overview of the IGEL UMS Web App

The following article provides general information on the features implemented in the IGEL Universal Management Suite (UMS) Web App.

- ⓘ 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.

- ⓘ
- Right-click on a device opens a context menu.
 - Double-click on a device or a (priority) profile opens the configuration dialog.
 - You can use the [Escape] key to close dialogs in the UMS Web App.

Devices

Under **Devices**, you can view all devices registered on the UMS Server and their details. Here, you can perform various device commands, assign objects to your devices, and edit device configuration.

Basic Overview of the IGEL UMS Web App



The screenshot displays two main views of the IGEL UMS Web App:

- Directory Level:** This view shows a hierarchical tree on the left under "Devices". A red box labeled "1" highlights the "RD" directory. The main pane shows a list of devices under "RD", with one item highlighted by a red box labeled "2". On the right, there's a summary card for "RD" (red box 3A) and a detailed "Properties" section for the selected device (red box 3A). Below that is a "Assigned Objects" section (red box 3A) listing "VMware Horizon" and "VMware Horizon Client".
- Device Level:** This view shows the same hierarchical tree on the left. A red box labeled "1" highlights the "RD" directory. The main pane shows a list of devices under "RD", with one item highlighted by a red box labeled "2". On the right, there's a summary card for the selected device (red box 3B) and a detailed "Properties" section (red box 3B) listing device specifications like Name, Unit ID, MAC Address, etc. Below that is a "Custom Properties" section (red box 3B) and tabs for "Assigned Objects", "System Information", "Licenses", "Network Adapter", and "Installed Apps".

1	Directory Tree	Shows all created directories. <ul style="list-style-type: none"> Creating new directories Renaming directories Deleting empty directories Moving directories: drag & drop or [Ctrl + X], [Ctrl + V] Copying directories: [Ctrl] + drag & drop or [Ctrl + C], [Ctrl + V] Moving devices to another directory: drag & drop Bulk actions (for all devices in the selected directory) Scanning the network for devices and registering devices
2	Device list	Shows all devices directly contained in the directory selected in the Directory Tree .



		<ul style="list-style-type: none"> • Paging for the navigation in the device list • Defining the number of devices to be displayed on one page • Filtering devices by Name, Product ID, Unit ID, Version, and IP Address • Sorting devices by Name, Product ID, Unit ID, Version, and IP Address
3A	Directory information	<p>Shows details and assigned objects for the directory selected in the Directory Tree.</p> <ul style="list-style-type: none"> • Filtering the assigned objects by the object type, direct / indirect type of assignment, free text entry • Detaching directly assigned objects
3B	Device information	<p>Shows details for the device selected in the device list.</p> <ul style="list-style-type: none"> • The status of the device (online, offline, unknown) • Renaming the device • (Advanced) system information <ul style="list-style-type: none"> • Adding / editing / deleting customizable system information, incl. device attributes • Assigned objects <ul style="list-style-type: none"> • Filtering the assigned objects by the object type, direct / indirect type of assignment, free text entry • Detaching directly assigned objects • Jumping to the assigned object • License information, user login history, network adapter • Installed apps (for IGEL OS 12 devices)
4	Device commands	<p>Executed for the selected individual directory / device.</p> <ul style="list-style-type: none"> • Power control commands • Shadowing (VNC) • Updating, sending / receiving settings, etc. • Assigning objects, e.g. profiles, files, etc. • Editing configuration • Exporting device settings as a profile

Configuration

Under **Configuration**, you can create and edit profiles for IGEL OS 11 and IGEL OS 12 devices.

Basic Overview of the IGEL UMS Web App



The figure consists of two screenshots of the IGEL UMS Web App interface. Both screenshots show the 'Configuration' tab selected. The top screenshot is titled 'Directory Level' and shows the 'Chromium' profile in the center pane. The bottom screenshot is titled 'Profile Level' and shows the 'Chromium Session' profile in the center pane. Both panes include a configuration tree on the left, a profile list in the center, and various details and settings on the right. Red numbers (1 through 6) are overlaid on specific elements across both screenshots to highlight key features.

1	Configuration Tree	<p>Shows all created profile directories and subdirectories.</p> <ul style="list-style-type: none"> Creating profiles Creating new directories Renaming directories Deleting empty directories Moving directories: drag & drop or [Ctrl + X], [Ctrl + V] Moving profiles to another directory: drag & drop Exporting / importing profiles
2	Profile list	<p>Shows all profiles contained in the directory selected in the Configuration Tree.</p> <ul style="list-style-type: none"> Paging for the navigation in the profile list Defining the number of profiles to be displayed on one page Filtering profiles by Name and Version Sorting profiles by Name and Version



3	Directory information	Shows details for the directory selected in the Configuration Tree .
4	Profile information	<p>Details for the profile selected in the profile list</p> <ul style="list-style-type: none"> Editing profile properties, e.g. profile name, firmware version it is based on (for OS 11 devices only), etc.
5	Activated Settings	Shows all configuration settings activated in the selected profile.
	Template Key Relation	Shows template keys used in the profile.
	Contained Files	<p>Shows all files assigned to the selected profile.</p> <ul style="list-style-type: none"> Quick assignment of the file to the selected profile (To use the feature, you should already know the file name or its part.) Detaching assigned files from the profile
	Assigned Devices	<p>Shows all devices the selected profile is assigned to.</p> <ul style="list-style-type: none"> Quick assignment of the device / device directory to the selected profile (To use the feature, you should already know the name of the device / device directory or its part.) Detaching the device / device directory from the profile Jumping to the assigned device / device directory
	Apps	Shows which apps / app versions are configured by the selected profile.
6	Edit Configuration	Allows you to edit configuration parameters for the selected profile.

Apps

Under **Apps**, you can manage apps for IGEL OS 12 devices.



The screenshot illustrates the IGEL UMS Web App interface for managing applications. Key features highlighted include:

- App categories (1):** Shows all available app categories.
- App list (2):** Shows apps contained in the selected category. It includes:
 - Paging for the navigation in the app list
 - Defining the number of apps to be displayed on one page
 - Filtering apps by **Name**
 - Sorting apps by **Name**
- Commands (3):** Available for the selected app (Chromium Browser):
 - Creating profiles for the selected app
 - Setting a Default Version for the selected app
 - Deleting the app
 - Exporting the app (metadata)
- App information (4):** Details for the app selected in the app list, e.g. newest imported version, the selected default version.
- Update Settings (5):** Defines update settings for the app selected in the app list.
- Versions (6):** Shows information on all available versions of the app:
 - Deleting unused app versions
 - Accepting the EULA
- Assigned Devices (7):** Shows all devices / device directories to which the selected app is assigned:
 - Detaching the device / device directory from the app

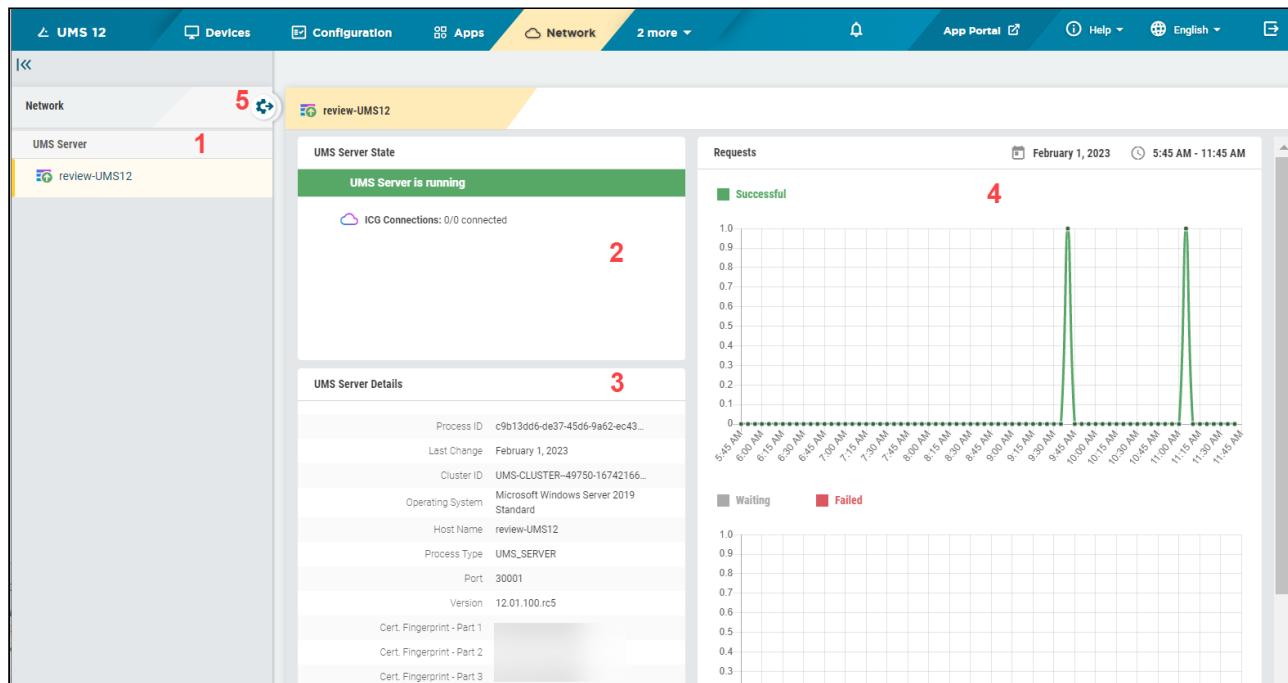
1	App categories	Shows all available app categories.
2	App list	<p>Shows apps contained in the selected category.</p> <ul style="list-style-type: none"> Paging for the navigation in the app list Defining the number of apps to be displayed on one page Filtering apps by Name Sorting apps by Name
3	Commands	<ul style="list-style-type: none"> Creating profiles for the selected app Setting a Default Version for the selected app Deleting the app Exporting the app (metadata)
4	App information	Details for the app selected in the app list, e.g. newest imported version, the selected default version
5	Update Settings	Defines update settings for the app selected in the app list.
6	Versions	<p>Shows information on all available versions of the app</p> <ul style="list-style-type: none"> Deleting unused app versions Accepting the EULA
	Assigned Devices	<p>Shows all devices / device directories to which the selected app is assigned.</p> <ul style="list-style-type: none"> Detaching the device / device directory from the app



		<ul style="list-style-type: none"> Jumping to the assigned device / device directory
7	Settings	Configures global settings for the app updates, e.g. from where the devices should download the apps – from the UMS or the App Portal.

Network

Under **Network**, you can find information on all connected UMS Servers, UMS Load Balancers, and IGEL Cloud Gateways. If you use IGEL Onboarding Service (OBS) to register IGEL OS 12 devices, you can also find here the OBS Routing details.



1	List of all available UMS Servers / UMS Load Balancers / IGEL Cloud Gateways (ICG)
2	<ul style="list-style-type: none"> Status of the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway (running, not running, etc.) Status of UMS Server / ICG connections (connected, disconnected, unknown) Number of currently connected devices (only for the ICG)
3	Details for the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway
4	Statistics for the device requests
5	Opens the Settings area



Search

Under **Search**, you can search for IGEL OS devices according to the selected parameters, save the search results, and export them.

A screenshot of the IGEL UMS Web App interface, specifically the 'Search' section. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', 'Search' (which is highlighted in yellow), 'Network', 'Logging', a bell icon, 'App Portal', 'Help', and language settings ('English'). The main search area has a sidebar titled 'My Searches' with a red number '1' indicating new searches. It features a 'Save as Search' button (red number '5'). Below this are filter fields for 'Contains Text' (with a search string input), 'Unit ID' (set to 'All'), 'Product ID' (set to 'All'), 'Bios Version' (set to 'All'), and 'Protocol' (set to 'UNIFIED'). A red number '2' points to the filter fields. An 'Add Filter' button is also present. A red number '3' points to a 'Query' field containing the text 'protocol = "UNIFIED"'. The search results table shows '2 Devices' with entries 'ITC0050569356CB' (red number '4') and 'ITC005056938D22'. A red number '6' points to an 'Export Search Result' button. The bottom right of the search area shows pagination '1 - 2 of 2' and a 'Select columns' dropdown.

1	List of searches	Shows the list of all searches that you saved using the Save as Search button.
2	Filter	Shows all filter fields that you added via Add filter button.
3	Advanced search	Adds the Query field that you can use for complex searches. Main features: <ul style="list-style-type: none"> SQL-like query language Autocompletion function
4	Search results	<ul style="list-style-type: none"> Adding / removing columns for the search result list Paging for the navigation in the search result list Defining the number of devices to be displayed on one page
5	Save as Search	Saves your current search so that you can access it via the list of searches
6	Export Search Result	Opens an Export Search Result dialog where the parameters and delimiters for the CSV export file can be configured.



Logging

Under **Logging**, you can activate logging and search for log messages according to the configured search parameters.

The screenshot shows the IGEL UMS Web App interface with the 'Logging' tab selected. On the left, there is a search mask with various filters: Logtime (After: Jul 1, 2023), Severity (After dropdown with an arrow pointing to Jul 1, 2023), Category (Device, Device command, App), Action, Name of the Affected Object, and Message. A red arrow points to the 'After' dropdown in the Logtime filter. Below the search mask is a 'Search' button. To the right, the search results table displays log entries with columns: Logtime, Username, Severity, Category, Action, Name of the Affected Object, Message, and Origin. A red number '2' is shown above the table, indicating two results. A red number '3' is placed over one of the log entries in the Action column. A red number '4' is placed above the table header. The table shows 46 total results, with the current page being 1-46. The first few log entries are:

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, 9:30:07 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	ITC005056938D22		Webapp

1	Configurable search mask	<ul style="list-style-type: none"> Adding/removing parameters for log searching. Search criteria are linked with logical AND. The last search configuration is saved.
2	Search tags	Show the search parameter values specified in the search mask
3	Log list	Shows log messages for the actions performed in the UMS Web App. <ul style="list-style-type: none"> Paging for the navigation in the log list Defining the number of log messages to be displayed on one page Sorting within any selected column Tooltips for detailed information
4	Clear data	Deletes log messages
5	Settings	Allows you to adjust logging configuration

Messages

Under **Messages** , 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.

The messages are automatically deleted at the reloading of the UMS Web App page in the browser.

- ▶ Click a message to view details.



- A successfully executed command is marked with .
- A failed command is marked with a warning symbol .
- A partially failed command is marked with a warning symbol .

The screenshot shows the 'Messages' section of the IGEL UMS Web App. It displays a list of messages with columns for Time, Description, and State. The first two messages are successful (Done), while the third is triggered. Below this list is a summary table with columns for Time, Description, Unit Id, Device Name, and State. The entire 'Messages' section is highlighted with a red box, and a red arrow points from the top right towards the 'Edit Configuration' button for the third message.

Time	Description	State
Jan 20, 2023, 2:45:17 PM	Send settings to device	Triggered
Jan 20, 2023, 2:44:20 PM	Reboot device	Done
Jan 20, 2023, 2:44:04 PM	Send settings to UMS	Done

Time	Description	Unit Id	Device Name	State
Jan 20, 2023, 2:44:04 PM	Send settings to UMS	0050569356CB	ITC0050569356CB	Done

Other Options Available in the Menu Bar

	Opens the start page. If specified, the nickname of your UMS is also displayed here; see Network Settings in the IGEL UMS Web App (see page 108).
	The UMS Web App documentation on kb.igel.com ¹ and details of the current version of the Universal Management Suite

¹ <http://kb.igel.com>



English	Language settings for the user interface
Logout	Logout from the UMS Web App



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 16).

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

- 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`.²

⚠ "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.

² <https://localhost:8443/webapp>.



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 you experience some kind of lagginess, refer to the tips regarding the folder structure under Performance Optimizations.



Top Screenshot (Directory Level):

- 1:** Directory Tree showing 'Devices (1)', 'Augsburg (1)', 'techdoc (1)', and 'RD (1)'.
- 2:** List of objects under 'RD' showing 'ITC0050569356CB'.
- 3A:** Properties panel for 'RD' showing 'Name: RD', 'Number of contained devices: 1', and 'Directory Path: Devices / Augsburg / techdoc / RD'.
- 4:** Action buttons: Assign object, Reboot, Shutdown, Wake up, Suspend.

Bottom Screenshot (Device Level):

- 1:** Directory Tree showing 'Devices (1)', 'Augsburg (1)', 'techdoc (1)', and 'RD (1)'.
- 2:** List of objects under 'RD' showing 'ITC0050569356CB'.
- 3B:** Properties panel for 'ITC0050569356CB' showing various device details like Name, Unit ID, MAC Address, etc.
- 4:** Action buttons: Edit Configuration, Shadow, Assign object, Reboot, Shutdown.
- 3B:** System Information tab showing runtime, operating time, battery level, CPU speed, CPU type, flash size, and memory size.

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 & all subdirectories of this directory.</p> <ul style="list-style-type: none"> • Creating a Directory Structure in the IGEL UMS Web App(see page 25) • Renaming a Directory(see page 30) • Deleting a Directory(see page 31) • Moving a Device Directory(see page 29) • Copying a Device Directory(see page 28)
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		<ul style="list-style-type: none"> • Moving Devices in the IGEL UMS Web App(see page 27) • Scanning the Network for Devices and Registering Devices on the IGEL UMS
2	Device list	<p>Shows all devices directly contained in the directory selected in the Directory Tree.</p> <ul style="list-style-type: none"> • Paging for the navigation in the device list • Defining the number of devices to be displayed on one page • Filtering devices by Name, Product ID, Unit ID, Version, and IP Address • Sorting devices by Name, Product ID, Unit ID, Version, and IP Address • Right-click on the device opens a context menu.
3A	Directory information	<p>Details for the directory selected in the Directory Tree</p> <p>[Directory Name]: The name of the selected directory</p> <p>Properties: Properties of the selected directory, e.g. the full Directory Path, Number of contained devices</p> <p>Assigned Objects: Directly and indirectly assigned objects, e.g. profiles, files, firmware updates, etc. For details, see Assigning Objects in the IGEL UMS Web App(see page 32).</p>
3B	Device information	<p>Details for the device selected in the device list</p> <p>Status display: The status of the selected device. For icons showing the device's status, see "Status Displays(see page 22)" below.</p> <p>[Device Name]: 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. To rename the device, click , type a new name, and press [Enter]. For other renaming options, see Renaming IGEL OS Devices.</p>



Properties: Properties of the selected device, e.g. **Last IP, MAC Address, Unit ID, Last Contact**, etc.

- ⓘ 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 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 32).



Assigned Objects	System Information	Licenses	Network Adapter	Installed Apps
Filter objects Citrix	Default Version (22.9.0.21-1 BUILD 2) Devices / Augsburg / QA			
Citrix Workspace app				
Background				
Wallpaper				

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			

 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 78).

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 Messages(see page 11) .</p> <ul style="list-style-type: none"> ▶ Click to view all available device commands. <p>For details on the device commands, see "Device Commands(see page 23)" 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.



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 Shadow . For details on shadowing in the UMS, see Shadowing - Observe IGEL OS Desktop via VNC and UMS and Devices: Secure Shadowing .
	Assigns / detaches an object, e.g. a profile, a file, etc. For details, see Assigning Objects in the IGEL UMS Web App (see page 32).
	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 Wake-on-LAN .
Suspend	Puts the highlighted device into suspend mode.
Send settings	Reads out the complete last device configuration from the UMS database and sends it to the highlighted device.
Receive settings	Reads the local configuration of the highlighted device, sends it to the UMS, and writes it to the database.
Reset to factory defaults	Resets the highlighted device to the factory defaults; see Resetting a Device to Factory Defaults via the IGEL UMS Web App (see page 38). For other methods of resetting a device to factory defaults, see Reset to Factory Defaults and Resetting a Device with Unknown Administrator Password.
Update	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 Update command is only needed if System > Update > Activate app after the installation is disabled; see How to Configure the Background App Update in the IGEL UMS Web App (see page 102).
Update on shutdown	Only for OS 11: Updates the firmware when the highlighted IGEL OS 11 device is shut down.
Refresh system information	Refreshes the system information for the highlighted device.
Refresh license information	Refreshes the license information for the highlighted device.
Export as Profile	Exports device settings, see Exporting Device Settings as a Profile in the IGEL UMS Web App (see page 42).
Send message	Sends a message to the highlighted device; see Sending a Message to Devices via the IGEL UMS Web App (see page 36).

- 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 14).

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.

A screenshot of a web-based directory tree interface. At the top, there's a toolbar with icons for file operations: a folder (highlighted with a red box), a pencil, a trash can, and a refresh symbol. Below the toolbar is a tree view of directories under 'Devices'. The 'Devices' node has one child, 'Augsburg (0)', which further has two children: 'Java (0)' and 'Linux (0)'. Under 'Augsburg (0)', there's also a node 'TechDoc (0)'. Another child of 'Devices' is 'Bremen (0)', which has one child, 'Presales (0)'. At the bottom of the tree, there's a text input field containing 'New directory' with a blue border. A vertical yellow bar is positioned to the left of the input field.

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.

The screenshot shows the IGEL UMS Web App interface. The top navigation bar includes tabs for UMS 12, Devices (which is selected and highlighted in yellow), Configuration, Apps, Network, and Logging. On the left, a sidebar titled 'Directory Tree' lists two main categories: 'Devices (2)' which further branches into 'Augsburg (0)', 'Linux (0)', 'TechDoc (0)', and 'Bremen (0)'; and 'Presales (0)'. The main content area is titled 'Devices' and shows a list of two devices: 'ITC0050569356CB' and 'ITC00E0C520986A'. To the right of each device name is a small green icon representing a computer monitor. Next to the second device, there is a move icon, which is a crosshair symbol with a small circle at the center, and a red arrow points directly at it. Below the device list are standard pagination controls (back, forward, page number 1-2 of 2, page size 10, sort by Name) and filter options.

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

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

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**.

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



Renaming a Directory

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

To rename a directory or subdirectory, proceed as follows:

1. In the **Directory Tree**, select a directory you want to rename, e.g. "Bremen".
2. Click .
3. Enter a new name for the directory.

A screenshot of the IGEL UMS Web App's Directory Tree interface. The tree shows a hierarchy of devices and locations. A red box highlights the edit icon (a pencil) located in the toolbar above the tree. The 'Bremen' folder is selected, indicated by a blue border around its entry in the list below. The tree structure includes: Devices (2), Augsburg (2) which contains techdoc (2) with HS (0) and RD (2) children, and the selected Bremen folder.

4. Press [Enter].



Deleting a Directory

i Difference to the UMS Console

In the UMS Web App, only directories that do not contain any devices can be deleted.

! 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 .

A screenshot of the "Directory Tree" section in the IGEL UMS Web App. The tree structure shows "Devices (2)" which contains "Augsburg (2)" and "techdoc (2)". "Augsburg (2)" contains "HS (0)", "OS5 (0)", and "RD (2)". The "RD (2)" node is highlighted with a yellow selection bar. Above the tree, there is a toolbar with icons for back, forward, search, and other operations. The "Delete" icon (a square with a diagonal line) is highlighted with a red box.

i 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".

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes tabs for UMS 12, Devices (selected), Configuration, Apps, Network, and more. On the left, a 'Directory Tree' sidebar shows a hierarchy: Devices (5) -> Augsburg (4) -> techdoc (4) -> RD (3). The main content area shows a list of devices under 'RD': ITC005056938D22 (selected and highlighted with a red box), Id-RD01, and Id-RD02. To the right of the list is a details panel for 'ITC005056938D22' with buttons for Edit Configuration, Shadow, Assign object (which is also highlighted with a red box), Reboot, and Shutdown. Below the details panel are Properties and Custom Properties sections.



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.

1	Name of the directory / device	Name of the directory / device to which the object is assigned
2	Assignable objects	<p>Shows all objects that can be assigned to the directory / device. The following objects can be assigned:</p> <p> : 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 67).</p> <p>⚠ Implicit App Assignment via a Profile</p>



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 50).



: 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 44).



: 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.

4 Filter

<input style="width: 100%; height: 25px; border: none; border-bottom: 1px solid #ccc; padding-left: 5px; font-size: 14px; font-family: inherit; outline: none;" type="text" value="chr"/> ×	✖						
--	--	--	--	--	--	--	--

Filters the objects under **Assignable objects** and **Assignments** according to

- the selected object type
- the entry in the text field

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**.

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

The screenshot shows the IGEL UMS Web App interface. On the left, there's a sidebar with a 'Directory Tree' showing a hierarchy of locations: Augsburg (4), techdoc (4), QA (1), RD (3), and Bremen (1). The 'RD' node is selected. The main area displays a list of objects under 'RD': ITC005056938D22, td-RD01, and td-RD02. A modal window is open for the device 'ITC005056938D22'. The 'Assigned Objects' tab is selected. At the top of this tab, there's a 'Filter objects' input field and several filter icons. Below this, a table lists assigned objects: 'chromium' (with a 'Detach object' button) and 'Chromium Browser'. At the bottom of the table, it says 'Default Version (108.0.5359.94 BUILD 1 RC 1)'. A red box labeled '1' highlights the 'Filter objects' input field. A red box labeled '2' highlights the 'Devices / Augsburg / techdoc' path in the bottom right corner of the table. A red box labeled '3' highlights the 'Detach object' button for the 'chromium' entry.

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

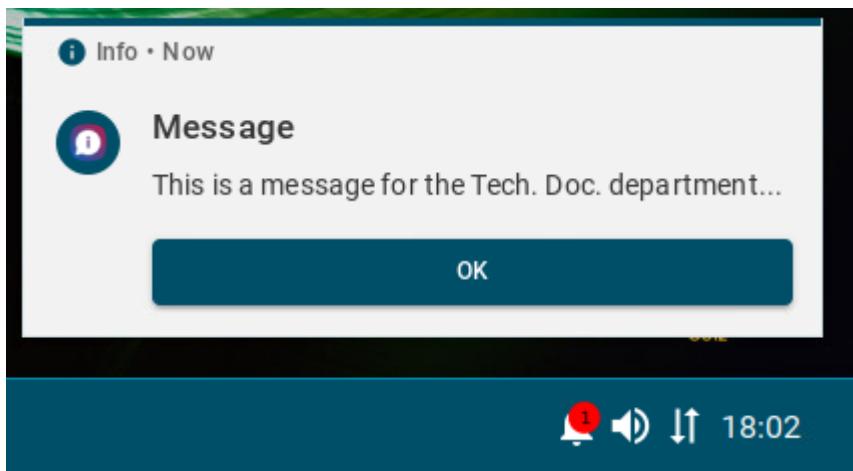
A screenshot of a web-based application window titled "Send message to devices". Inside, there's a "Message Text" input field containing the text "This is a message for the Tech. Doc. department...". Below this, a dropdown menu shows "Send to techdoc (1)" and lists a single device: "ITC0050569356CB" 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.

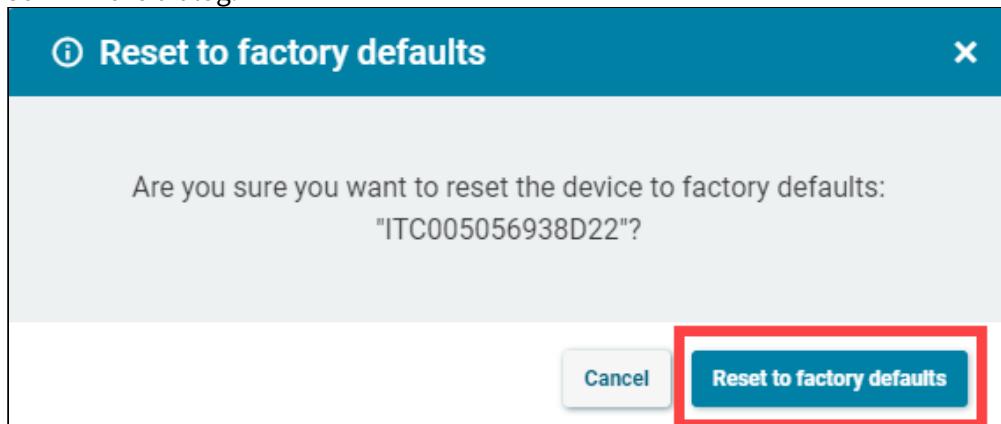
- ⚠ If you select **Reset to factory defaults**, all personal settings on the device (including your password and the sessions you have configured) will be lost and the device will be removed from the UMS. You will have to register your device with the UMS again.**

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 50).
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.

The screenshot shows the 'Profile Configurator - Shadowing' interface. The 'Security' tab is active. On the left, a sidebar lists various categories: Time and Date, Remote management, Remote Access (which is expanded), SSH Access (with 'Shadow' highlighted by a red box), Secure Terminal, Logging, Power Options, System Customization, Update, and Registry. In the main configuration area, there are several settings with checkboxes:

- Allow remote shadowing**: Checked (highlighted by a red box).
- Secure mode**: Unchecked.
- Use Password**: Checked.
- Password**: A masked input field with a 'Change password' button.
- Prompt user to allow remote session**: Checked.
- Allow user to disconnect remote shadowing**: Checked.

 At the bottom are buttons for 'Close', 'Save', and 'Save and Close'.

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' and 'ITC005056938D22'. A red box highlights the 'ITC005056938D22' row. To the right of the list is a detailed view for the selected device, showing tabs for 'Edit Configuration', 'Shadow' (which is also highlighted with a red box), 'Assign object', 'Reboot', and 'Shutdown'. Below these tabs are sections for 'Properties', 'Custom Properties', and several status tabs: '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 63).

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**.

The screenshot shows the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', and a '3 more' dropdown. The left sidebar has a 'Directory Tree' with categories like 'Devices (0/3)', 'Augsburg (0/1)', 'techdoc (0/1)', 'RD (1/1)', and 'Bremen (1/2)'. The main content area shows a list of objects under 'RD', with one item 'ITC005056938D22' selected and highlighted with a red box. To the right of the list are several actions: 'Edit Configuration', 'Shadow', 'Assign Object', 'Reboot', 'Shutdown', 'Wake up', 'Suspend', 'More', 'Send Settings', 'Receive Settings', 'Reset to Factory Defaults', 'Update', 'Update on Shutdown', 'Refresh System Information', 'Refresh License Information', and 'Export as Profile', which is also highlighted with a red box.

2. Specify the desired **file name**.



3. Confirm the export.

Export Device as Profile X

Devices: (only OS12 devices can be exported)

<input checked="" type="checkbox"/>	Name	Unit ID
<input checked="" type="checkbox"/>	ITC005056938D22	005056938D22

File name:

X Cancel ✓ Export as *.ipm

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).

- 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 88).

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 63).



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

In the **Configuration** area, you can create and manage profiles. Currently, only managing standard and priority profiles is possible. For more 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).

⚠ 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.

i Priority profiles have to be first enabled in the UMS Console under **UMS Administration > Global Configuration > UMS Features**, see Priority Profiles in the IGEL UMS. The node **Priority Profiles** will appear under **UMS Web App > Configuration**. After that, 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 50).

You can structure profiles by creating directories and subdirectories.



1 Configuration Tree	<p>Shows all created profile directories and subdirectories. The format (x/y) specifies 1) the number of profiles contained directly in the directory and 2) the total number of profiles in the directory & all subdirectories of this directory.</p> <ul style="list-style-type: none"> ▶ To create a profile, click . For more information, see How to Create and Assign Profiles in the IGEL UMS Web App(see page 50). ▶ To create a profile directory, click . ▶ To rename a profile directory, click . ▶ To delete a profile directory, click . Currently, only empty directories can be deleted.
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► To move a profile directory to another directory, select the relevant directory and move it per drag & drop to the desired directory or use [Ctrl + X], [Ctrl + V].

► To move the profile to another directory, navigate to the relevant profile in the profile list and move it per drag & drop to the desired directory.

i It is currently not possible to copy profiles in the UMS Web App, but you can use the export and import profile function, instead. See [Exporting and Importing Profiles in the IGEL UMS Web App](#)(see page 63).

2	Profile list	Shows all profiles contained in the directory selected in the Configuration Tree . <ul style="list-style-type: none">• Paging for the navigation in the profile list• Defining the number of profiles to be displayed on one page• Filtering profiles by Name and Version• Sorting profiles by Name and Version
3	Directory information	Details for the directory selected in the Configuration Tree . [Directory Name]: The name of the selected directory Properties: Properties of the selected directory, e.g. the full Directory Path , Number of contained devices
4	Profile information	Details for the profile selected in the profile list [Profile Name]: The name of the selected profile Properties: Properties of the selected profile, e.g. its Name , Version it is based on (for IGEL OS 11 profiles only), etc. 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.

ID: 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 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

5 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.

Template Key Relation	Shows template keys used in the profile, see Template Profiles in the IGEL UMS and Using Template Keys in Profiles .
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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

Examples of template expressions:

`https://\igel.{Country}` – template key configuring the starting page of the browser session

`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. Files should be first added in the UMS Console. For details on the file transfer, see Files - Registering Files on the IGEL UMS Server and Transferring Them to Devices .
-----------------	---

Contained Files	Assigned Devices
<input type="button" value="Add file"/> 1 <input type="text" value="Filter objects"/> 2 3	igel_image.jpg https://\$serverhostname:\$port\$/ums_filetransfer/igel_i... /wfs/

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.
------------------	--



	Activated Settings	Contained Files	Assigned Devices
	<input type="button" value="Assign device"/> 1	<input type="button" value="d"/> 2	RD1 4 Devices / Bremen / RD1 <input type="button" value="Detach directory"/> 3
	ITC005056938D22 4		005056938D22 12.1.100-1.rc.5+1
Apps	Shows which apps / app versions are configured by the selected OS 12 profile.		
6 Edit Configuration	Allows you to edit configuration parameters for the selected profile.		



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 70).

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. The main navigation bar includes 'UMS 12', 'Devices', 'Configuration' (selected), 'Apps', 'Network', and '2 more'. The 'Configuration' tab shows a 'Configuration Tree' on the left with sections for 'Profiles', 'Priority Profiles', and 'Apps'. An 'IGEL OS 12' profile is expanded, showing 'Chromium', 'VMware', and 'Base System' under its 'Apps' section. A red arrow points from the 'Create new profile' button in the central panel to the 'Select Apps' button in the 'Create new profile' dialog. The 'Create new profile' dialog has a radio button for 'OS 12' (which is selected) and 'OS 11'. It also has a 'Name' field containing 'Chromium' (which is highlighted with a red box) and a 'Select Apps' button (also highlighted with a red box). The background shows a list of apps like 'Chromium Session' and 'Properties'.

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.



- i** 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.

The screenshot shows the 'App Selector - Chromium' dialog. At the top right is a 'Show Versions' toggle switch 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 contains an 'IGEL OS' entry with a dropdown menu showing 'Default version'. The 'Apps' section lists three items: 'Citrix Wi' (version 12.01.100 BUILD 1 RC 4), 'Chromium Browser' (version 12.01.100 BUILD 1 RC 5, checked and highlighted with a red box), and 'CUPS printing app' (version Default version). At the bottom are 'Cancel' and 'Save' buttons, with 'Save' also highlighted with a red box.

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

i 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 55).
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 72).

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** .

A screenshot of a configuration dialog. On the left is a greyed-out switch button. To its right is a text box containing the message: 'The parameter is inactive and will not be configured by the profile.'



IMPORTANT: 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.
--	--

A screenshot of the IGEL UMS Profile Configurator interface. The left sidebar shows a tree structure with 'chromium' expanded, showing 'Chromium Browser Global' and 'Chromium Browser Sessions'. Under 'Sessions', 'Chromium browser' is selected. The main panel has a title 'Profile Configurator - Chromium'. It shows a 'Session name' input field with 'Chromium browser' typed in. Below it is a section titled 'Starting Methods for Session' with five items, each with a switch and a checkbox: 'Start Menu' (checked), 'Menu folder' (checked), 'Start Menu's System tab' (checked), 'Application Launcher' (checked), and 'Application Launcher folder' (unchecked). At the bottom are buttons for '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 55).

Option 2: Create an OS 12 Profile via Apps

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

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

A screenshot of the IGEL UMS Web App interface. The top navigation bar shows 'UMS 12', 'Devices', 'Apps' (which is highlighted in blue), and '4 more'. The left sidebar has a 'Apps' section with a 'Create' button. Below it is a tree view with 'All' expanded, showing 'Browser', 'Cloud', 'VDI', 'Unified Communication', 'Printing', and 'Peripheral'. In the main panel, there is a search bar with 'All' selected and a 'Filter objects' dropdown. Below the search bar is a table with one row highlighted in red, showing 'Chromium Browser'. To the right of the table is a card for 'Chromium Browser' with a 'Create new profile' button (which is also highlighted in red), a 'Set Default Version' button, and a 'Delete App' button. The card also displays version information: 'Newest Imported Version: 108.0.5359.94 BUILD 3', 'Default Version: 108.0.5359.94 BUILD 1 RC 1', and a green checkmark indicating 'Your version is up to date'. A 'Categories' section shows 'Browser' with a circular icon.



2. 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.

Create new profile

* Name
 ✖

Description

Location
 Profiles ▼

✓ Save ✗ Cancel

3. Click **Save**.

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

4. 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**

	The parameter is inactive and will not be configured by the profile. IMPORTANT: 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.



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 55).

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 74).

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**.



2. Select the profile you want to assign to the device / device directory and use the arrow button or drag & drop.

The screenshot shows the 'Assign Object to Device' dialog box. At the top, there's a header with a back arrow and the text 'Assign Object to Device'. Below it is a section labeled 'ITC005056938D22' with a 'Filter objects' input field and several small icons. The main interface is divided into two panels: 'Assignable Objects' on the left and 'Assignments' on the right. The 'Assignable Objects' panel contains a list of items with shield icons: Chromium, Background, SSH, Terminal, Firefox, and VMware Horizon. The 'Chromium' item is highlighted with a red box. To its right is a central area with a large red-bordered arrow pointing from left to right, indicating the direction of assignment. Below this central area are two buttons: 'Cancel' and 'Save', with 'Save' being highlighted by a red box.

3. Save the changes.



- Decide when the changes should become effective.

Update Time

When should these changes take effect?

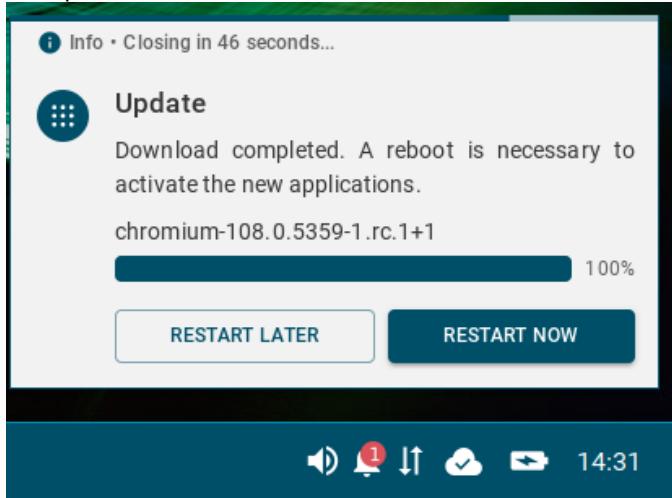
On reboot Now

✓ Confirm

An app assigned via the profile 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 102).

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 interface. The top navigation bar includes tabs for 'Devices', 'Configuration' (which is selected), 'Apps', and '3 more'. On the right, there are links for 'App Portal', 'Help', and language selection ('English'). The main content area shows a 'Directory Tree' on the left with categories like 'Devices (5)', 'Augsburg (4)', 'techdoc (4)', 'QA (1)', 'RD (3)', and 'Bremen (1)'. The central panel displays a list of objects under 'RD' with entries 'ITC005056938D22', 'td-RD01', and 'td-RD02'. A red arrow points from the 'Assigned Objects' tab in the 'Custom Properties' section to the 'Assigned Devices' section of another screenshot below. The 'Assigned Devices' section is highlighted with a red box and contains a button labeled 'Assign device' with a red arrow pointing to it.

To check the installed apps, go to **Devices > Installed Apps**; see [Checking Installed Apps via the IGEL UMS Web App](#)(see page 78).

- 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 IGEL UMS Web App interface, specifically the 'Assigned Devices' section. It shows three tabs: 'Activated Settings', 'Contained Files', and 'Assigned Devices', with the third one highlighted by a red box. Below the tabs is a search bar with the placeholder 'Assign device' and a red arrow pointing to it. The main content area shows a list of objects under 'RD1' with a 'Filter objects' button. The bottom status bar indicates 'Devices / Bremen / RD1'.

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 IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration' (which is selected), 'Apps', and '3 more'. Below this is a 'Profiles / IGEL OS 11' section. On the left, a 'Configuration Tree' sidebar shows 'Profiles (6)' expanded, with 'IGEL OS 11 (0)' selected. A red arrow points from the 'Create new profile' dialog to this selection. The main content area displays a 'Create new profile' dialog with the following fields:

- Version:** OS 11 (radio button selected, highlighted with a red box)
- Version:** IGEL OS 11 11.08.230.rc7.01 (dropdown menu)
- Name:** Firefox (text input field)
- Description:** OS 11 (text input field)

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>IMPORTANT: 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 Plugins. Under Firefox Browser, there are sections for "Settings", "Desktop Integration", and "Plugins". The main panel shows a "Session name" field set to "Firefox Browser" with a "Save" button next to it. Below this is a section titled "Starting Methods for Session" with four checkboxes: "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

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

A screenshot of the IGEL UMS 12 web interface. The top navigation bar includes "UMS 12", "Devices", "Configuration", "4 more", "Help", "English", and a user icon. The main area shows a "Directory Tree" on the left with categories like "Devices (5)" and "Bremen (1)". The central pane displays a "Devices / Bremen" list with one item. On the right, there is a detailed view for "Bremen" with a red box highlighting the "Assign object" button. Other buttons include "Reboot", "Shutdown", "Wake up", and "Suspend". Below the buttons is a "Properties" section with details: Name (Bremen), Number of contained devices (1), and Directory Path (Devices / Bremen).



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

The screenshot shows the 'Assign Object to Directory' dialog. At the top, it says 'Bremen (2)' under 'Devices / Bremen'. Below that is a toolbar with icons for filter, search, and various settings. The main interface has two sections: 'Assignable Objects' on the left and 'Assignments' on the right. In the 'Assignable Objects' section, several items are listed with small icons: Firefox (highlighted with a red box), OS 11, Language, OS 12, Background, SSH, Terminal, and OS12. To the right of these is a vertical scroll bar. Between the two sections is a large blue arrow pointing from left to right. At the bottom right 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

- 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 IGEL UMS web interface. At the top, there are three tabs: "Activated Settings", "Contained Files", and "Assigned Devices", with "Assigned Devices" highlighted by a red box. Below the tabs is a search bar with the placeholder "Assign device" and a small icon. To the right of the search bar is a navigation area with arrows, a page number (1-2 of 2), a dropdown menu set to 10, a "Filter objects" input field, and icons for folder and device. At the bottom of the interface, there is a breadcrumb trail: "Devices / Bremen / RD1".

Activated Settings

Contained Files

Assigned Devices

Assign device

1-2 of 2 10 Filter objects

RD1 Devices / Bremen / RD1



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 42).

- ⓘ 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 interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration' (which is selected), 'Apps', 'Search', and '2 more'. On the left, a 'Configuration Tree' sidebar shows 'Profiles (0/15)', 'IGEL OS 11 (1/1)', 'IGEL OS 12 (1/14)', 'Apps (1/5)', and 'Base System (7/8)'. The main content area shows a 'VMware' section with a single item 'VMware Horizon'. A red box highlights this item. To the right, a 'Properties' panel shows 'Name: VMware Horizon', 'Directory Path: Profiles / IGEL OS 12 / Apps / VMware', and a 'Contained Files' table with one entry 'VMware Horizon Client'. At the bottom right of the main content area, a red box highlights the 'Export Profile' button.

3. Specify the desired **file name**.

4. Confirm the export.

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



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

The **Export Profiles** window will open.

A screenshot of the IGEL UMS Web App interface. The main navigation bar includes tabs for UMS 12, Devices, Configuration (which is selected), Apps, Search, Network, and Logging. Below the navigation bar is a 'Configuration Tree' sidebar with a red box highlighting the 'Profiles (0/12)' section. To the right of the sidebar is a 'Profiles' list view showing a single item: 'IGEL OS 12 (1/1)'. A large red dashed arrow points from the 'Profiles (0/12)' section in the sidebar to the 'Profiles' list view. On the right side of the screen, a modal dialog box titled 'Export Profiles' is displayed. It lists three checked profiles: 'Chromium' (Directory Path: Profiles/IGEL OS 12/Apps/Chromium), 'Citrix' (Directory Path: Profiles/IGEL OS 12/Apps/Citrix), and 'Language' (Directory Path: Profiles/IGEL OS 12/Base System). There is also an unchecked option for 'VMware Horizon' (Directory Path: Profiles/IGEL OS 12/Apps/VMware). Below the profile list is a 'File name:' input field containing 'profile-export-2023-07-20'. At the bottom of the dialog are 'Cancel' and 'Export as *.ipm' buttons, with the latter being blue and indicating it is the active button.

- Select the profiles you want to export.
- Specify the **file name**.
- 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 88).

You can now import the exported file as described below.

Importing Profiles

To import profiles, proceed as follows:



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

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration' (which is selected), 'Apps', '3 more', and a bell icon. The main area shows a 'Configuration Tree' on the left with a 'Profiles (0/0)' folder. A red dashed arrow points from the 'Profiles' folder in the tree to the 'Profiles' folder in the central 'Upload profiles' dialog. The dialog has a title 'Upload profiles' and two radio buttons: 'Use selected directory' (selected) and 'Use export path'. It contains a dashed box for dragging and dropping files, a 'Browse files...' button, and a note about allowed file formats: '*.ipm'. A 'Cancel' button is at the bottom right.

4. When the upload is complete, confirm the import.

A screenshot of the 'Upload profiles' dialog box after a file has been uploaded successfully. The title bar says 'File successfully uploaded'. Below it, a file entry shows 'profile-export_UMS-RD.ipm' (0.66 MB) with a green checkmark. A message at the bottom says 'Your upload is complete. Press New upload to start a new File Upload'. At the bottom are two buttons: 'New upload' and a blue 'Confirm' button with a red border and a checkmark icon.

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).



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.

- Info** 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)

A screenshot of the UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps' (which is highlighted), 'Network', '2 more', 'App Portal', 'Help', and 'English'. The left sidebar shows categories like 'All', 'Browser', 'Cloud', 'VDI', etc., with a red '1' marker above 'All'. The main content area shows a list of apps under 'All': 'IGEL OS' (highlighted with a red '2'), 'Chromium Browser', 'libva for Chromium', 'Chromium Multimedia Codec' (highlighted with a red '3'), 'Citrix Multimedia Codec', 'CUPS printing app', 'Citrix Workspace app', and 'VMware Horizon Client'. A red '4' marker points to the 'Chromium Multimedia Codec' entry. On the right, a detailed view for 'Chromium Browser' shows its version history: 'Newest imported Version: 108.0.5359.94 BUILD 3', 'Default Version: 108.0.5359.94 BUILD 3', and a message 'Your version is up to date'. A red '5' marker points to the 'Update Settings' section. Below this is a table with columns 'Versions' and 'Assigned Devices' (highlighted with a red '6'). The table lists four versions: 'Default version (108.0.5359.94 BUILD ...)', '108.0.5359.94 BUILD 1 RC 1', '108.0.5359.124 BUILD 1 RC 2', and '108.0.5359.94 BUILD 3'. Each row has icons for edit, delete, and assign.

1 App categories	Shows all available app categories. ▶ Click All to view apps from all categories. ▶ Click a specific category to view all apps within this category.
2 App list	Shows apps contained in the selected category.



- Paging for the navigation in the app list
- Defining the number of apps to be displayed on one page
- Filtering apps by **Name**
- Sorting apps by **Name**

3	Comma nds	<p>Create new profile: Creates a profile for the app selected in the app list. For more information on profile creation, see How to Create and Assign Profiles in the IGEL UMS Web App(see page 50).</p> <p>Set Default Version: 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 How to Set a Default Version of an App in the IGEL UMS(see page 72).</p> <p>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 85).</p> <p>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 105).</p>
4	App inform ation	Details for the app selected in the app list such as Newest imported version , Default version that is selected under Set Default Version , availability of a newer version (depending on the configuration under Update Settings).
5	Update Setting s	Defines update settings for the app selected in the app list. See Configuring Update Settings for Individual IGEL OS Apps (see page 92).
6	Version s	<p>Shows information on all available versions of the app, e.g. if and how an app version is used (installed, assigned, used in profiles).</p> <ul style="list-style-type: none"> ▶ To delete a selected app version, click . See How to Delete Apps in the IGEL UMS Web App(see page 85). <p>An app version with End User License Agreement (EULA) not accepted is marked with an exclamation mark.</p> <ul style="list-style-type: none"> ▶ To accept the EULA for the app, click Accept EULA. This can be necessary, for example, for automatically registered apps(see page 67) 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.



Versions	Assigned Devices
4 Versions 3 Installed 1 Assigned 4 Profiles	
▶ Default version (12.01.100 BUILD 1 R...) 1 1 4 ▼ 12.1.100 BUILD 1 TP 2 0 0 0	
File size unknown imported by #device imported on Jan 20, 2023 EULA State Not Accepted	

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

d
Devices

Versions	Assigned Devices
< < 1 - 2 of 2 > > 10 ▾ 1	1
Quality Assurance ITC005056938D22 3	.../Quality Assurance 3
ITC005056938D22 3 12.1.100-1.rc.8+1	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 88).

- [How to Import IGEL OS Apps from the IGEL App Portal](#)(see page 70)
- [How to Set a Default Version of an App in the IGEL UMS](#)(see page 72)
- [How to Assign Apps to IGEL OS Devices via the UMS Web App](#)(see page 74)
- [Checking Installed Apps via the IGEL UMS Web App](#)(see page 78)
- [Detaching Apps from the IGEL OS Device](#)(see page 82)
- [How to Delete Apps in the IGEL UMS Web App](#)(see page 85)
- [Updating IGEL OS Apps](#)(see page 87)
- [How to Export and Upload Apps to the IGEL UMS](#)(see page 105)



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.

- i** 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 App Portal. At the top, there's a header with the IGEL logo, "THE NEXT-GEN EDGE OS FOR CLOUD WORKSPACES", and "APP PORTAL UMS ADMIN". Below that is a search bar with filters for "Discover Our Apps", "ALL", "AVAILABLE", and "IMPORTED". A "Categories" dropdown is set to "All" and a "Sort by" dropdown is set to "Name". There's also a "Search" field and a "Filter" icon. The main area shows a grid of app cards. One card for "Chromium Browser" is highlighted with a red box. Other visible apps include "CPcore Binary", "CUPS printing app", "Chromium Multimedia Codec", "Cisco Jvdi plugin", "Citrix Multimedia Codec", "Citrix Workspace App", and "Chromium ffmpg codec". Each card displays the app name, version, description, last update date, size, and category (e.g., Cloud, Peripheral, Browser, VDI).



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

The screenshot shows the UMS App Portal interface. At the top, there's a navigation bar with the IGEL logo, the text "THE NEXT-GEN EDGE OS FOR CLOUD WORKSPACES", and sections for "APP PORTAL" and "UMS ADMIN". Below this, a breadcrumb trail shows "All Apps > Chromium Browser". The main content area displays the "Chromium Browser" app details. It includes a large blue circular icon, a "VERSIONS" dropdown set to "108.0.5359.124 BUILD 1 RC 3", and a prominent blue "IMPORT" button. Below these are tabs for "DESCRIPTION" and "HISTORY". A detailed description of Chromium as an open-source browser follows. Under "Categories", "Browser" is listed. At the bottom, author information shows "IGEL Technology GmbH" as the author, "108.0.5359.124 BUILD 1 RC 3" as the version, and "08. February 2023" as the published date.

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.

The screenshot shows the UMS Web App interface. The top navigation bar includes links for "UMS 12", "Devices", "Apps" (which is highlighted in yellow), and "4 more". On the left, a sidebar shows "Apps" and a "All" category. The main content area displays the "Chromium Browser" app card. The card features a blue circular icon, a "Create new profile" button, a "Set Default Version" button, and a "Delete App" button. Below the card, status information states "Newest imported Version: 108.0.5359.124 BUILD 1 RC 3" and "Default Version: 108.0.5359.124 BUILD 1 RC 3". A note says "The newest available Version is unknown". To the right of the card, under "Categories", "Browser" is listed. A "Check for updates" button is at the bottom of the card.



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 74)) 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 50)).

- i **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 top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', and other options. On the left, a sidebar shows categories like 'All', 'Browser', 'Cloud', 'VDI', etc. The main content area is titled 'Chromium Browser'. It shows 'Create new profile' and 'Set Default Version' buttons. Below that, it displays 'Newest Imported Version' (108.0.5359.94 BUILD 3) and 'Default Version' (108.0.5359.94 BUILD 1 RC 1). A green status bar indicates 'Your version is up to date'. The 'Assigned Devices' section shows 1 Profile assigned. The 'Versions' table lists three entries: 'Default version (108.0.5359.94 BUILD ...)' (2 Installed, 0 Assigned, 1 Profile), '108.0.5359.94 BUILD 1 RC 1' (2 Installed, 0 Assigned, 0 Profiles), and '108.0.5359.94 BUILD 3' (0 Installed, 0 Assigned, 0 Profiles).

Versions	Assigned Devices
Default version (108.0.5359.94 BUILD ...)	1 Profile
108.0.5359.94 BUILD 1 RC 1	0 Profiles
108.0.5359.94 BUILD 3	0 Profiles



2. Select the desired Default Version.

A screenshot of a web-based configuration interface titled "Set Default Version". It features a dropdown menu labeled "Version" containing three options:

- 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:

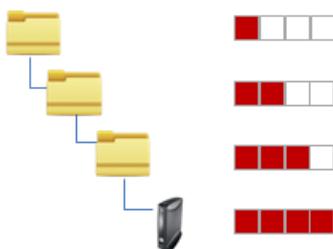
- Implicit app assignment via profiles: An app is automatically assigned to a device via a profile which configures this app. Exception: IGEL OS Base System app. See [How to Create and Assign Profiles in the IGEL UMS Web App](#) (see page 50).
- Explicit app assignment via the **Assign object** dialog, see below.

i An explicitly assigned app **ALWAYS** overwrites an implicitly assigned app.

Explicit App Assignment

i 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 'Devices (5)' expanded, listing 'Augsburg (4)', 'techdoc (4)', 'QA (1)', 'RD (3)', and 'Bremen (1)'. The 'RD' folder is selected. In the center, a list shows objects: 'ITC005056938D22' (selected and highlighted with a red box), 'td-RD01', and 'td-RD02'. On the right, a detailed view for 'ITC005056938D22' is shown with tabs for 'Edit Configuration', 'Shadow', 'Assign object' (which is also highlighted with a red box), 'Reboot', and 'Shutdown'. Below these are '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 72) 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 interface is divided into two main sections: 'Assignable Objects' on the left and 'Assignments' on the right.

Assignable Objects: This pane lists several applications with their icons and names. A red box highlights the first item, 'Chromium Browser', which has a red arrow pointing down to its 'Default Ver...' dropdown menu. Below it are 'Citrix Multimedia Codec', 'IGEL OS', and 'CUPS printing app', each with its own 'Default Ver...' dropdown.

Assignments: This pane lists the assigned applications. It shows 'Terminal' and 'OS12' under the 'Chromium' assignment, and 'Chromium' and 'OS 12' under the 'OS12' assignment. A red box highlights the 'Chromium' assignment, with a red arrow pointing from the 'Assignments' section back towards the 'Assignable Objects' section.

Buttons at the bottom: 'Cancel' and 'Save' buttons are located at the bottom right of the dialog.



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

The screenshot shows the 'Assign Object to Device' interface. On the left, the 'Assignable Objects' pane lists four items: Citrix Multimedia Codec, IGEL OS, CUPS printing app, and Zoom Media Plugins for VDI. Each item has a 'Default Ver...' dropdown. On the right, the 'Assignments' pane lists five assignments: Chromium Browser, Terminal, OS12, Chromium, and OS 12. Each assignment has a 'Default Versio...' dropdown. At the bottom right, there 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.

3. Save the changes.



- Decide when the changes should become effective.

Update Time

When should these changes take effect?

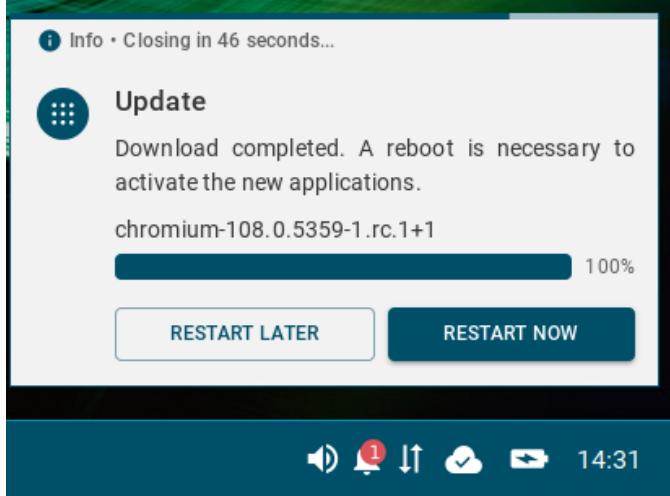
On reboot Now

✓ Confirm

The app will be downloaded by the device.

- 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 102).

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 78).



Checking Installed Apps via the IGEL UMS Web App

You can view all apps present on the IGEL OS device, their status and time when the message about the status is delivered via the UMS Web App:

1. Under **UMS Web App > Devices**, select the required device.

2. Select **Installed Apps**.

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', 'Search', and other options. The main area shows a 'Directory Tree' on the left with nodes like 'Devices (0/3)', 'Augsburg (0/2)', 'techdoc (0/2)', 'RD (2/2)', and 'Bremen (0/1)'. On the right, there's a list of objects under 'RD', with one item 'ITC005056938D22' highlighted by a red box. To the right of the object list is a detailed panel for 'ITC005056938D22' with tabs for 'Properties', 'Custom Properties', 'Assigned Objects', 'System Information', 'Licenses', 'Network Adapter', and 'Installed Apps'. The 'Installed Apps' tab is also highlighted with a red box. It lists several installed applications with their details: IGEL OS Base System, Chromium Browser, libva for Chromium, libomnivm Multimedia Codec, and VMware Horizon Client, each with its status (Installed), version, and installation date.

Possible states:

State	Description
Installed	The app is currently installed and usable.
Downloaded	The app is successfully downloaded but needs manual activation. Use the Update command for this purpose.
Pending	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 Update command.
Pending marked for installation	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.
Marked for installation	The app is successfully downloaded and will be activated on the next reboot.
Removal pending	The app has been removed but needs manual activation. Use the Update command for this purpose.



Marked for removal	The app will be removed on the next reboot.
Unusable	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.
Download failed	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.
Activation failed	<p>The app could not be activated because the multistage update was needed, but the App Portal was not available when activating the app.</p> <p>The device will repeat the app activation on the next reboot. If the background app update is configured, use the Update command, instead.</p>
Limited functionality	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.
Dependency error	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.
Note:	<p>Reboot and Update commands can be found in the UMS Web App under Devices(see page 17).</p> <p>The Update command is only required if the background app update is configured; see How to Configure the Background App Update in the IGEL UMS Web App(see page 102).</p>

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 find out which devices have a certain app / app version installed or not installed, you can also create a view in the UMS Console using the criterion **Installed Apps**. Under **App Version**, specify not a display version of an app (e.g. not `22.12.1 BUILD 1 RC 1`), but a "technical" version, e.g. `22.12.1-1.rc.2+1` (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. The left sidebar under the 'Server' category has 'Views (0)' selected, indicated by a blue highlight. The main area is titled '/Views' and shows a 'Create new view' dialog. The dialog has a 'Select criterion' section where 'app' is typed into a search field. Below it, 'Advanced System Information' is expanded, and 'Installed Apps' is selected, highlighted with a red box. At the bottom of the dialog are 'Cancel', 'Finish', 'Next', and 'Back' buttons.

This is a detailed screenshot of the 'Create new view' dialog from the previous image. It shows three query criteria:

- App Name: equal to **VMware Horizon Client** (highlighted with a yellow box)
- App Version: equal to (leave blank means all versions)
- App State: equal to **installed**

At the bottom of the dialog are 'Cancel', 'Finish', 'Next', and 'Back' buttons.



Detaching Apps from the IGEL OS Device

In the IGEL Universal Management Suite (UMS), 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 74).

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**.

A screenshot of the UMS 12 web interface. The left sidebar shows a 'Directory Tree' with 'Devices (4)' expanded, showing 'Augsburg (2)', 'techdoc (2)', 'Quality Assurance (1)', 'RD (1)', 'Bremen (2)', and 'RD1 (2)'. The main panel shows a list of objects under 'RD', with one item 'ITC005056938D22' selected and highlighted with a red box. To the right of the list is a details panel for 'ITC005056938D22' with tabs for 'Edit Configuration', 'Shadow', 'Assign object' (which is also highlighted with a red box), 'Reboot', and 'Shutdown'. Below the details panel are tabs for 'Assigned Objects', 'System Information', 'Licenses', 'Network Adapter', and 'Installed Apps'. At the bottom of the screen are various filter and search buttons.

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:



Assign Object to Device

ITC005056938D22

Filter objects

Assignable Objects

- CUPS printing app
- zoom Zoom Media Plugins for VDI
- Citrix Workspace app
- Firefox

Default Vers... Default Vers... Default Vers... Default Vers...

Assignments

- Chromium Browser
- IGEL OS
- VMware Horizon Client
- Background app update

Default Vers... Default Vers... Default Vers... Default Vers...

→ ←

In the case of the implicit app assignment:

A screenshot of the "Assign Object to Device" dialog box. The title bar says "Assign Object to Device" and "ITC005056938D22". Below the title is a "Filter objects" input field and a row of icons. The main area is divided into two sections: "Assignable Objects" on the left and "Assignments" on the right. In the "Assignable Objects" section, there are four items: "Chromium Multimedia Codec", "libva for Chromium", "Citrix Multimedia Codec", and "CUPS printing app". In the "Assignments" section, there are five items: "VMware Horizon Client", "Background app update", "Terminal", "OS12", and "Chromium". The "Chromium" item is highlighted with a red border. A blue double-headed arrow icon is positioned between the two sections. At the bottom are "Cancel" and "Save" buttons.

The screenshot shows the "Assign Object to Device" dialog box. The "Assignable Objects" list includes "Chromium Multimedia Codec", "libva for Chromium", "Citrix Multimedia Codec", and "CUPS printing app". The "Assignments" list includes "VMware Horizon Client", "Background app update", "Terminal", "OS12", and "Chromium". The "Chromium" item in the assignments list is highlighted with a red border. A blue double-headed arrow icon is positioned between the two lists. At the bottom are "Cancel" and "Save" buttons.

3. Save the changes.

The app will be uninstalled on the device at the next reboot. If you have enabled the [background app update](#)(see page 102), the **Update** command must be sent, instead.

Quick Object Detaching

As an alternative, you can simply navigate to the object to be detached in the **UMS Web App > Devices > [name of the device / device directory] > Assigned Objects**(see page 32) and click the **Detach object** button (shown for directly assigned objects only).



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 main content area shows a folder icon labeled 'Browser'. A list of app versions is displayed, with 'Chromium Browser' being the only item shown. This item is highlighted with a red rectangular box. At the bottom of the list are navigation buttons for page 1-1 of 1, a search bar, and sorting options for Name, Type, and Last Update.

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 ...)		1		1		0
▶ 108.0.5359.94 BUILD 1 RC 1		1		0		1
▶ 108.0.5359.124 BUILD 1 RC 2		0		0		0
▶ 108.0.5359.94 BUILD 3		1		0		0

Deleting an App

To remove an app:

1. Under **Apps**, select the required app.
2. Click **Delete app**.

The screenshot shows the UMS Web App interface. On the left, a sidebar menu is open under the 'Apps' section, showing categories like All, Browser, Cloud, VDI, Unified Communication, etc. In the main content area, a card for the 'zoom' application is displayed. The card includes the application name, a brief description ('Zoom Media Plugins for VDI'), and a 'Delete App' button which is highlighted with a red box. Below the card, there's a summary of versions and assigned devices, followed by a table showing individual version details with their own delete icons.



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\(see page 88\)](#)
 - [Configuring Update Settings for Individual IGEL OS Apps\(see page 92\)](#)
 - [How to Trigger the App Update in the IGEL UMS\(see page 94\)](#)
 - [Multistage Update of IGEL OS Base System\(see page 98\)](#)
 - [How to Configure the Background App Update in the IGEL UMS Web App\(see page 102\)](#)



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 dropdown menus: '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:

Parameter	Use only repositories deployed by the UMS
Registry	update.use_only_manager_repos
Type	bool
Value	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 .



A screenshot of the IGEL UMS Web App settings interface. The top navigation bar has three tabs: "Settings" (selected), "App Portal", and "Automatic Updates". The "Settings" tab is further divided into sections: "UMS as an Update Proxy" (selected and highlighted with a red box), "App Portal", and "Automatic Updates". Under the "UMS as an Update Proxy" section, there is a dropdown menu set to "Download from UMS" (highlighted with a red box and a red arrow pointing to it). Below the dropdown is a large red-bordered "Upload" button. At the bottom of the section are "Reset" and "Save" buttons. The "App Portal" and "Automatic Updates" sections are partially visible on the right.

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 85).

PXE Configuration

i Deployment of IGEL OS via PXE is not yet supported.



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 92) 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 shows 'UMS 12', 'Devices', 'Configuration', 'Apps' (which is highlighted in yellow), '3 more', a notification bell with 4 notifications, 'App Portal', 'Help', and 'English'. The main content area has a sidebar on the left with 'All' selected under 'Apps'. In the center, there's a list of apps: 'IGEL OS', 'Chromium Browser' (which is selected and highlighted in blue), 'libva for Chromium', 'Chromium Multimedia Codec', and 'Cisco Webex VDI'. A modal dialog box titled 'Update Settings' is open over the list. It contains 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 that, it says '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 dialog are 'Save' and 'Cancel' buttons. To the right of the dialog, the 'Chromium Browser' app card shows its version history: '8.0.5359.94 BUILD 3' (with a note 'Your version is up to date'), a 'Categories: Browser' section with a blue circular icon, and sections for 'Assigned Devices' and 'Default Version for assigned Devices'. A red arrow points from the text 'Select the required settings:' in the instructions below to the 'Check for updates' radio button in the dialog.

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 88)). 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 88)).
- **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 72).

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 92).
See [How to Set a Default Version of an App in the IGEL UMS](#)(see page 72)

⚠ 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 74).



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 50).



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".

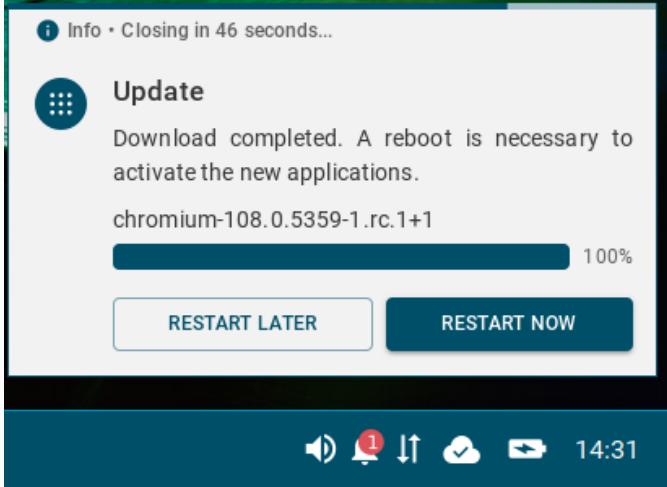
- i** This method is NOT applicable to the IGEL OS Base System since the IGEL OS Base System app can only be assigned explicitly.

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.

- 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 102).

- ⓘ 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 98).

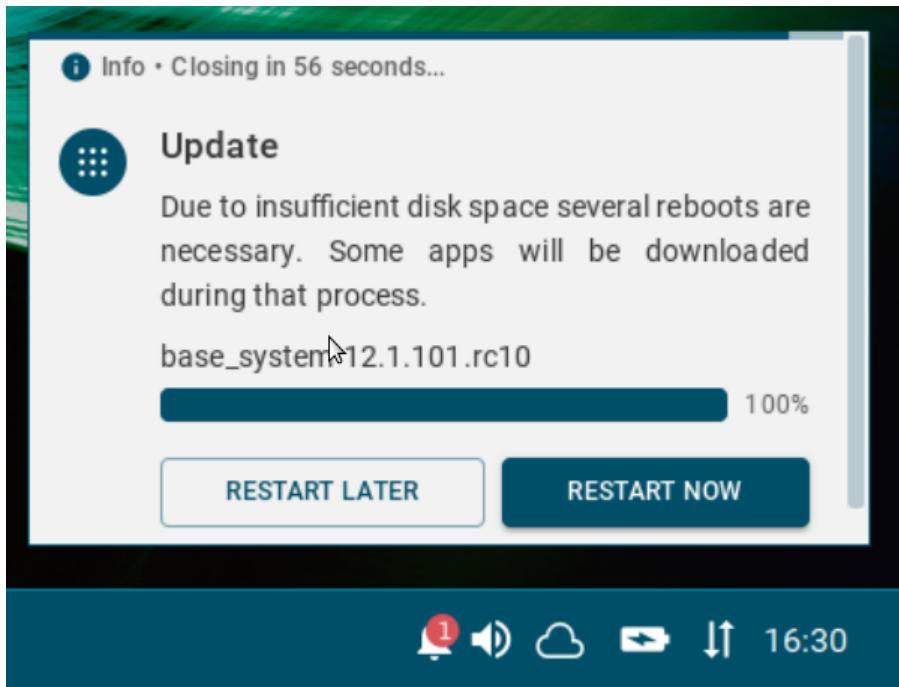


Multistage Update of IGEL OS Base System

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](#).

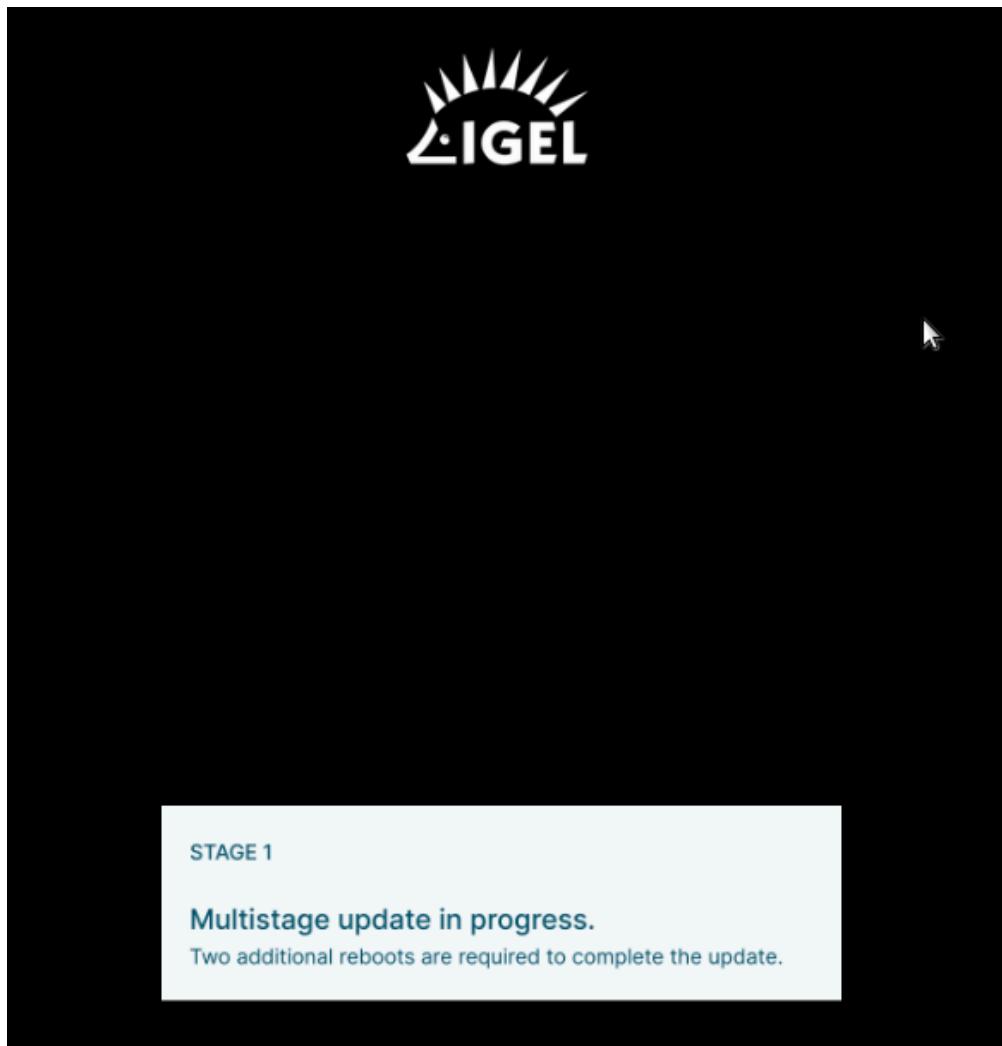


During the reboots, the user will be notified about each corresponding stage of the update process.

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.

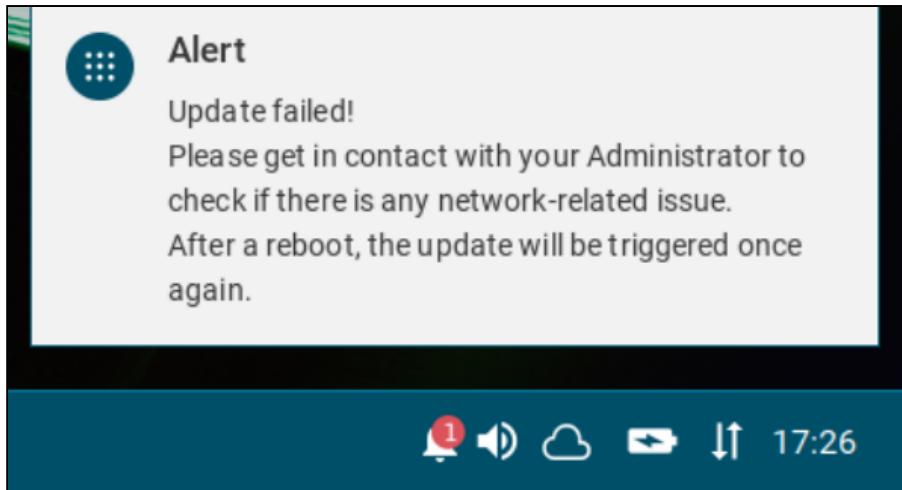


- **Stage 2:** The system will reboot to the new system and download the rest of the base system. During this stage, the user will see only the following screen and cannot access the GUI of the device, terminal, etc.



- **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 102) 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 50).

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps', 'Network', and '2 more'. Below the navigation is a 'Profiles' section with 'IGEL OS 12 (6)' selected. A red arrow points from the 'Profiles' section to the 'App Selector - Background app update' dialog. The 'App Selector' dialog shows a list of apps under 'Base System': 'IGEL OS' (with a checked checkbox). A red box highlights the 'IGEL OS' entry.

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'. 'System' is selected. Under 'System', 'Update' is highlighted. The main area is titled 'App Update settings' and contains several configuration options:

- 'Automatical reboot of system once App is installed' (checkbox checked)
- 'Timeout for automatical reboot in seconds' (input field set to 70)
- 'Use a bandwidth limit while updating' (checkbox checked)
- 'Limit bandwidth used for updating' (input field set to 2MB)
- 'Seconds to wait for network connection during a multi stage update' (input field set to 60)
- 'Activate app after the installation' (checkbox checked)

A red box highlights the 'Activate app after the installation' checkbox. At the bottom are buttons for 'Close', 'Save', and 'Save and Close'.

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.

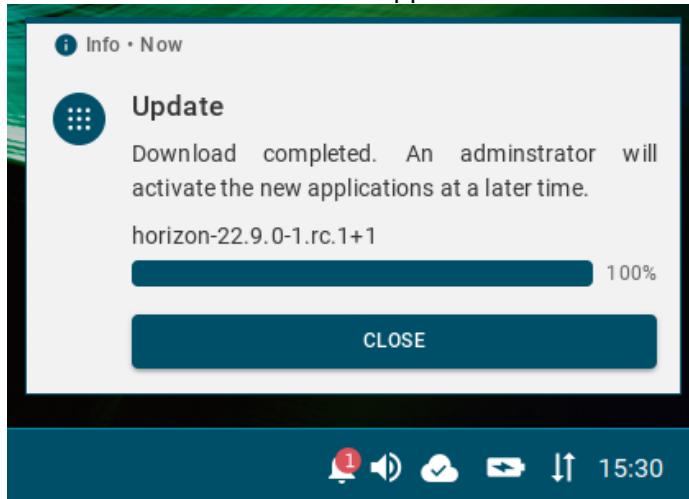
3. Optional: If you need to limit the bandwidth usage during the app download (e.g. if you see that updates affect the performance of the network), activate **Use a bandwidth limit while updating** and define the required limit under **Limit bandwidth used for updating**.

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 50).
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 74).

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 78).

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 has 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)**.

A screenshot of the IGEL UMS Web App interface. The top navigation bar includes 'UMS 12', 'Devices', 'Configuration', 'Apps' (which is the active tab), and '3 more'. Below the navigation is a search bar with 'Filter objects' and a dropdown menu. On the left, a sidebar shows categories like 'All', 'Browser', 'Cloud', 'VDI' (which is selected and highlighted in yellow), 'Unified Communication', 'Printing', 'Peripheral', and 'Base'. The main content area shows a list of apps under 'VDI': 'Citrix Workspace App' (with a note 'Newest Version is not Default Version') and 'ThinLinc' (which is selected and highlighted with a red box). To the right of the app list is a detailed view for 'ThinLinc', showing its version information ('Newest Imported Version: 4.14.0-2324 BUILD 3', 'Default Version: 4.14.0-2324 BUILD 3'), a note 'Your version is up to date', and a 'Categories' section listing 'VDI'. At the bottom right of this view is a 'Delete App' button and an 'Export App (Metadata)' button, which is also highlighted with a red box.



3. Select the app versions you want to export.

Export App

Versions for export:

Name	Technical name
<input checked="" type="checkbox"/> 4.14.0-2324 BUILD 3 (Default Version)	4.14.0-2324.3+3
<input type="checkbox"/> 4.14.0-2324 BUILD 2 RC 3	4.14.0-2324.3+2

File name:

Cancel **Export as *.iam**

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.

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 88).

To upload an app to the UMS:

- 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 'UMS 12', 'Devices', 'Configuration', 'Apps' (which is highlighted in blue), and '3 more'. Below the navigation is a sidebar with 'Apps' and a refresh icon. The main content area shows a 'Printing' folder with one item: 'CUPS printing app'. A red arrow points from the sidebar's 'Apps' link to the 'Upload App' dialog. The 'Upload App' dialog has a title 'Upload App' and a central area with a dashed border for file upload, containing a file icon and the text 'Drag & drop your file here or browse through your files.' A red box highlights the 'Browse files...' button. Below this is a note 'Allowed file formats: *.iam, *.ipkg'. At the bottom right is a 'Cancel' button.

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. The first file listed is 'thinlinc-app-export.iam' (0.02 MB) with a green checkmark. At the bottom, there are two buttons: 'New upload' and a red-bordered 'Confirm' button with a checkmark icon.

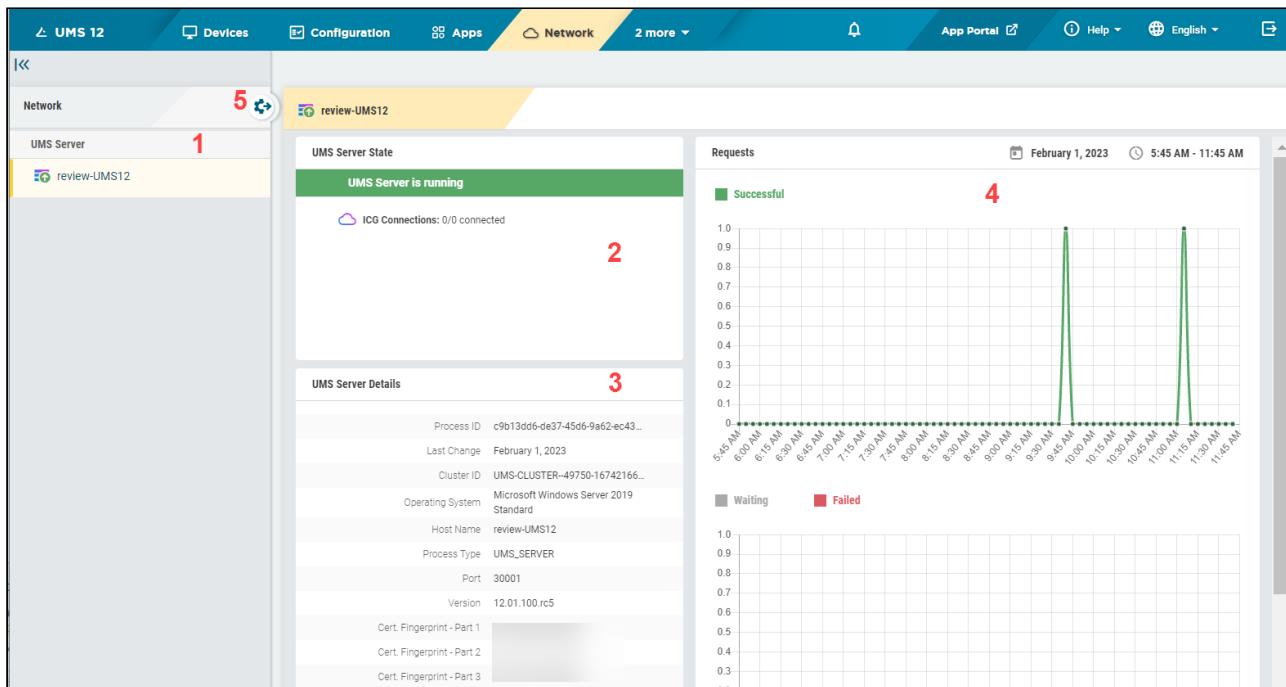
The uploaded app will be automatically placed in the corresponding app directory. You can now assign the app to your endpoint devices or create profiles that configure this app.



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"> Status of the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway, see "Status Displays" below. Status of UMS Server / ICG connections (connected, disconnected, unknown) Number of currently connected devices (only for the ICG)
3	Details for the selected UMS Server / UMS Load Balancer / IGEL Cloud Gateway
4	Statistics for the device requests
5	Opens the Settings 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. On the left is a sidebar with a gear icon labeled 'Settings'. The main content area has a tab bar with 'IGEL OS Onboarding' (which is highlighted in yellow), 'Network', and 'UMS Features'. Below the tabs, there is a section titled 'OBS Routing Info' with an information icon. It contains two input fields: 'UMS Hostname' with the value '192.' followed by a copy icon, and 'UMS Port' with the value '8443' followed by a copy icon. At the bottom of this section is 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 menu bar 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 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.

- ⓘ 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 (set to "After: Jul 1, 2023"), Severity (set to "Information"), Category (set to "Device, Device command, App"), Action, Name of the Affected Object, and Message. A red arrow points to the "After" dropdown in the Logtime field. The search mask also features a "Search" button and a "Clear data" button. The main area displays a table of search results with columns: Logtime, Username, Severity, Category, Action, Name of the Affected Object, Message, and Origin. A red number "3" is placed over the third row of the table. The table includes navigation buttons like back, forward, and a page number indicator (1 - 46 of 46). The top navigation bar includes links for Devices, Configuration, Apps, Search, Network, and Help, along with language and user settings.

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	3 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 Nov 1, 2020 - Nov 5, 2020 and then Search. 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. Devices, 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"> • Paging for the navigation in the log list • Defining the number of log messages to be displayed on one page • Sorting within any selected column • Tooltips, useful in case of truncations
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>⚠ 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 sub-header says "Define what interactions should be logged." with an info icon. There are 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)



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>Shows the list of all searches that you saved using the Save as Search button.</p> <p>All devices: When no specific values are specified for the filter, all devices registered in the UMS are automatically shown.</p> <ul style="list-style-type: none"> ▶ To rename a search, click , enter a new name and press [Enter] . ▶ To delete a search, click . Searches are removed permanently, i.e. without being placed to the recycle bin. <p>2 Filter</p> <p>Shows all filter fields that you added via Add filter button.</p> <ul style="list-style-type: none"> ▶ To add a filter field, click Add filter. For more details, see How to Add a Search Criterion(see page 117).
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		<p>ⓘ Currently, the number of criteria that you can add via the Add filter button is limited. You can use more search criteria if you click Advanced search (=) and use the Query field.</p> <p>► To remove a filter field, click</p> 
3	Advanced search (=)	<p>Adds the Query field that you can use for complex searches.</p> <p>Main features:</p> <ul style="list-style-type: none"> • SQL-like query language • Autocompletion function • Can be copied and pasted <p>For details, see How to Use Advanced Search for Complex Queries(see page 119).</p>
4	Search results	<ul style="list-style-type: none"> • Adding / removing columns for the search result list • Paging for the navigation in the search result list • Defining the number of devices to be displayed on one page • Clicking a device opens a new browser tab showing the information on this device, see Devices - View and Manage Your Endpoint Devices in the IGEL UMS Web App(see page 17).
5	Save as Search	Saves your current search so that you can access it via the list of searches
6	Export Search Result	<p>Opens an Export Search Result dialog where the parameters and delimiters for the CSV export file can be configured.</p> <p>Columns selected under Select columns in the search results area are automatically included in the export file if not disabled manually in the Export Search Result dialog.</p>

A screenshot of the "Export Search Result" dialog box. At the top left is a back arrow, at the top right is a close button (X). Below the title are several checkbox options:

- Select All (with a red dashed arrow pointing to it)
- Name
- Asset ID
- Unit ID
- Product ID
- Site
- Department
- Cost Center
- Last IP
- Comment
- In-Service Date

Below these options are two input fields: "Delimiter" (containing a semicolon) and "File name" (containing "search-data-export_2023-07-27"). At the bottom are two buttons: "Cancel" and "Export as *.csv" (which is highlighted with a red box).

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:



A screenshot of the search filter interface. At the top left is a button labeled "Add Filter" with a red arrow pointing to it. Below is a search bar with the placeholder "Search". A list of filter criteria follows:

- Macaddress (checkbox)
- Last Boot Time (checkbox)
- OS Type (checkbox)
- Protocol (checkbox, highlighted with a red box)

The text "3 of 3" is visible on the left side of the list.

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

(i) All filter fields are currently case-sensitive.

A screenshot showing two filter fields. The first is "Protocol" with a dropdown menu open, showing "UNIFIED" selected. The second is "Department" with a dropdown menu open, showing "TechDoc" selected. Red arrows point to the dropdown arrows of both fields.



How to Use the Advanced Search for Complex Queries

Advanced search uses autocompletion 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:

1. Click (=) and set the cursor in the **Query** field.
2. Select the required criterion from the list.

The screenshot shows the IGEL UMS Web App's advanced search interface. At the top, there are filter fields for 'Contains Text' (with a search string input), 'Unit ID' (set to 'All'), 'Product ID' (set to 'All'), and 'Bios Version' (set to 'All'). Below these are buttons for '+ Add Filter', 'Search', and a query operator button (=). A red arrow points to the '=' button. To its left, another red arrow points to the 'Query' input field, which contains the partial text 'hardwareInformation.memorySize'. A dropdown menu is open, listing several device properties: '3 Devices' (hardwareInformation.memorySize, hardwareInformation.networkSpeed, hardwareInformation.serialNumber), 'Name' (ITC005056, ITC005056, ITC00E0CE), and other properties like 'inServiceDate', 'keyStoreAlias', 'lastBootTime', and 'lastContact'. A red box highlights the 'inServiceDate' entry in the dropdown. On the right side of the search interface, there are buttons for 'Select columns' and a table view showing search results.



3. Select the required operator.

The screenshot shows a search interface for devices. At the top, there is a search bar labeled "search string" with a magnifying glass icon, and a "Unit ID" dropdown set to "All". Below this, a "Query" field contains "inServiceDate". To the left of the query field, a vertical sidebar lists device names: "ITC005056" (repeated twice) and "ITC00E0CE". The sidebar also includes operators: "<=", ">", ">=", "like", "not like", and "is null". The operator "<=" is highlighted with a red border. The result count "3 Devices" is displayed next to the operator list.

4. Select the value.



5. To define further criteria / values, select logical *AND* or *OR*.

The screenshot shows a search interface with the following fields:

- Contains Text:** search string
- Unit ID:** All
- Query:** `inServiceDate <= '01.05.2023'`
- Logical Operators:** AND, OR
- Result Count:** 2 Devices

i If you want to change the already entered part of the query, note that autocomplete does not yet support this. For example, you cannot set a cursor in the middle of your query and change the already entered operator or logical *AND* / *OR*. It is necessary to remove a part of the query to change the already entered expression.

6. After the query is complete, click **Search**.

The screenshot shows the search interface with the following configuration:

- All Devices
- Save as Search
- Contains Text: search string
- Unit ID: All
- Product ID: All
- Bios Version: All
- + Add Filter
- Search** (button highlighted with a red box)
- (*l*)
- Query: `inServiceDate <= '01.05.2023' AND protocol = 'UNIFIED'`