



IGEL COSMOS PAS



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IGEL Licensing

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IGEL Migration & Co-Termining FAQ

What is a "COSMOS PAS Migration" (formerly known as "OSx Migration")?

A transaction to migrate your IGEL OS 11 licenses from the perpetual license model to IGEL's COSMOS Platform Access Subscription (PAS). IGEL's OS 11 licenses including their perpetual licensing will be out of maintenance after 31st December 2025. Synchronisation and consolidation are always included in the COSMOS PAS Migration. If you wish to read more about a COSMOS PAS, see How to Start with IGEL COSMOS.

Is the IGEL COSMOS PAS (Platform Access Subscription) limited to IGEL OS 12/UMS 12?

- No. COSMOS PAS give customers the ability to continue using OS 11 and to further deploy OS 11 or OS 12.
- You can have COSMOS PAS using IGEL OS 11 until 31st December 2025, where it will reach 'end of maintenance'.

[IGEL COSMOS PAS - Entitlements and Effects of Expiration](#)(see page 180)

What are the Benefits of Migrating to COSMOS PAS?

- You benefit from our advantageous migration pricing vs buying a new subscription before it becomes a necessity in 2026.
- Migrating to subscription gives you access to the full IGEL solution, including formerly known "Enterprise Management Pack" features across all OS 11 or OS 12 endpoints.

[Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack](#)(see page 266)

What is a Co-Term? (Synchronisation and consolidation of Subscription Keys)

A co-term is a transaction to sync and consolidate your existing subscription keys into one subscription key with your desired expiry date, and always comes with a renewals for min. 12 months.

How is the new License Expiration Date Calculated?

Based on the expiration date of the earliest expiring Subscription Key included in the consolidation, a period of minimum one or maximum three years will be assigned. If a product pack has expired, the startin date will begin on the date of the expired pack.

Is there a Minimum or Maximum Term?

Yes, a **minimum of 12 months**, maximum of 36 months. Exceptions apply, e.g. if the time difference between your earliest and latest expiration date exceeds three years.



Is there a Price Benefit for a Multi-year Term?

Yes, **3-year terms** come with significantly higher incentives than 1-year pricing and year-over-year savings.

What if I need to keep my Subscription Keys Separate?

If you would like to keep your Subscription Keys separate, please speak to your IGEL Renewals Representative to discuss your options. The team can be reached at customer-renewals@igel.com¹

How do I read the Migration & Co-Term Quote and why are there Two Quote Positions?

IGEL's consolidation process consists of a two-step approach: Firstly, the Subscription Keys will be synchronised to the last existing expiration date (Quote position 2 - the quote "appendix" refers to this position only). Secondly, all of the Subscription Keys are consolidated into a master key, then extended to the chosen expiration date (Quote position 1).

Why does IGEL have an appendix for COSMOS PAS Migration Quotes?

The appendix is a reference for our Partners and Customers, which tracks the included subscription keys, dates, and quantities to explain the transaction and pricing calculation of quote position 2.

What Happens to my existing Subscription Keys?

Your existing Subscription Keys will be replaced by the master key, which has been assigned to the new consolidation date. These old keys will be disabled and archived in the IGEL Licensing Portal (ILP).

Does an COSMOS PAS Migration affect my Technical Product Packs?

When the order is processed, all your existing Product Packs in the ILP will stay existent while their Subscription Keys will be replaced with the new master key. If you wish to merge your product packs, see [How to Merge IGEL Product Packs](#)(see page 231).

My Maintenance or Subscription has expired can I still Renew?

- Yes, if a Subscription Key has expired you may renew it at any time, backdating to the expiration date.
- Support, Updates and included services will be suspended until renewed.

¹ <mailto:customer-renewals@igel.com>



Is there any training available?

Yes, OS 12/COSMOS ICP training is available via [IGEL Academy](#)².

² <https://learn.igel.com/learn>



Essential IGEL Licensing FAQ

What Is the IGEL License Portal (ILP) – Why Do I Need It?

The IGEL License Portal (ILP) is the core service for IGEL license handling. All purchased IGEL licenses are available in the ILP – ready to use. For web access, go to <https://activation.igel.com/login>.

I Am a New Customer, How Do I Access the ILP?

Once you purchase licenses, an ILP account is automatically generated based on the company details on the invoice. Your licenses are stored here.

For more details, refer to [How Do I Access My Purchased Licenses?](#)(see page 8)

Do I Have to Accept a EULA?

Yes, you must accept the IGEL EULA (End User License Agreement) each time an order has been delivered to you. You can do this in the IGEL License Portal (ILP) under **Orders** or, alternatively, under **Order Details** (click on the **Orders** pages), or in the management dialog of a Product Pack that is contained in your order (go to **Product Packs**, then click **Manage**). Note that accepting the EULA from only one Product Pack's management dialog is sufficient, as the acceptance will include all other Product Packs of the same order.

If you have ordered third-party licenses, you may have to accept a specific EULA for the relevant Product Packs. As of 01/2022, this is valid for Teradici licenses. Third-party EULAs must be accepted separately for each Product Pack.

I Am an Existing Customer, Purchasing Additional Licenses, What Do I Do?

New licenses, once processed by order management, will be stored in your company ILP account. For license renewals, the end date and status will be updated and visible on ILP once the order has been processed.

I Am a Reseller, Partner, or External Licenses Manager, What Do I Do?

- Provide the customer with the Global Account ID or the Subscription Key(s) to identify their licenses in ILP.
- Route new customers to activation.igel.com³ and advise them to register for their ILP account.
- In the case that you are taking over the license management, provide the customer with the appropriate e-mail address so that the customer can assign you as the administrator or service provider of their account.

Refer to [How Can I Access My Client's Licenses on Their ILP Account?](#)(see page 9) for more details

³ <http://activation.igel.com>



Which Roles Are Available in the ILP?

For each user account in the ILP, a role is assigned. There are three roles:

- administrator
- service provider
- user

You can find more information about the different roles under [Roles and Permissions](#)(see page 206).

How Do I Access My Purchased Licenses?

Since September 2021, the purchased licenses are assigned directly to the end customer's company ILP account when the order is processed at IGEL. The end customer's company is defined as the company detailed on the invoice. If no company account exists in the ILP, the company account is created automatically based on the invoice information. To access the licenses, you need an ILP user account that is assigned to the ILP company account.

Your ILP administrator can invite you to the company account. You will then receive an invitation e-mail to finalize your registration. The administrator defines your user account role.

If your company account has no administrator, you need to register on activation.igel.com⁴. You will be assigned to the administrator role.

To make it easier to identify your ILP account after your registration, enter the Delivery Token or Subscription Key on the **Company Details** page. For details on registration, see [IGEL License Portal \(ILP\)](#), section "How to Register with the IGEL License Portal".

Additional Options for the Region North America

If you are in the region North America, you can send your user details with an order. The procedure varies based on whether an ILP administrator exists for your company account or not:

- No ILP administrator exists for your company: Your user account is created and assigned to the company account automatically. You receive an email to finalize your registration. You are automatically assigned the administrator role.
- An ILP administrator already exists for your company account: IGEL informs the administrator to invite you. You will then receive an invitation e-mail to finalize your registration. The administrator defines your user account role.

Why Do I Need a Global Account ID?

The Global Account ID identifies the end customer. This ID is displayed on the homepage and under the **Manage Company** section in the ILP. For a new order or a license renewal, you require the Global Account ID and Subscription Key to place the order. The Subscription Key is located in the **Subscription Key** section of the ILP.

⁴ <http://activation.igel.com>



How Can I Access My Client's Licenses on Their ILP Account? I Already Have an ILP User Account.

Your user account can be assigned to your client's company account to give you access to the client's licenses. There are several ways to assign you to the client's account.

The client company account administrator needs to invite you to the company account and assign a role to you. If your client's company account has no administrator, your client needs to register on activation.igel.com⁵ and invite you afterward.

Additional Options for the Region North America

If you are in the region of North America, you can send your user details with an order. The procedure varies based on whether an ILP administrator exists for your company account or not:

- No ILP administrator exists for your company: If you do not have a user account, it is created automatically and assigned to the client's company account. If you do have a user account, you are automatically assigned the administrator role to the client's company account.
- An ILP administrator already exists for your company account: IGEL informs the administrator to invite you to the company account and to define your user role. Then you receive an invitation e-mail to finalize your registration (in case you do not have a user account) and to assign your user account to the client's company account.

I Am a Managed Service Provider with One Single UMS and Several Clients/Companies. How Do I Handle License Deployment?

If you have access to several ILP accounts for several clients/companies and manage their devices with one single UMS, you can not use the standard Automatic License Deployment (ALD) mechanism. This is because the standard Automatic License Deployment method requires a UMS Licensing ID, and one specific UMS Licensing ID can only be registered with one ILP account.

However, you can use the alternative Automatic License Deployment (ALD) mechanism with an ALD Token; see [Set up Automatic License Deployment \(ALD\) with ALD Token](#)(see page 95). This enables you to deploy licenses for several companies with one single UMS.

Is the Delivery Token Still Necessary to Assign New Licenses to a Customer Account?

- For licenses purchased since September 2021, the license is assigned directly to the end customer's company account in the ILP. No Delivery Tokens are involved.
- If you have purchased licenses before September 2021 with a Delivery Token but have not registered them, you must register the Delivery Tokens manually in your ILP company account.

⁵ <http://activation.igel.com>



What Is a Subscription Key and Why Do I Need It?

The Subscription key is a permanent ID that is used to decouple the actual license order or renewal from the management and assignment of the licenses in the ILP and the Universal Management Suite (UMS). If you want to renew your subscriptions, you need the Subscription Key to place the order.

- ✓ For further information, please refer to [What Is the Interconnection with Subscription Key and Product Pack?\(see page 10\)](#)

What Is a Product Pack and What Is It Used For?

A Product Pack is a term used in the ILP to refer to a set of licenses. A Product Pack ID is assigned to a permanent Subscription Key. You can only merge those Product Packs that share the same Subscription Key. The IT administrator works with the Product Packs to roll out licenses via the UMS to IGEL OS-powered endpoint devices. The Product Pack ID is used for typical administration tasks, like splitting or merging Product Packs, or for deploying licenses via Automatic License Deployment (ALD).

- ✓ For further information, please refer to [What Is the Interconnection with Subscription Key and Product Pack?\(see page 10\)](#)
- As required, also check out [How Can I Find Out Which Order My Product Pack Belongs To?\(see page 148\)](#)

Which IGEL Product Packs Can I Split and Merge and How?

You can split and merge all Product Packs, regardless of whether they have been purchased before or after 9/2021.

All Product Packs that have been purchased before September 3rd of 2021 but are activated after this date will receive a Subscription Key. This ensures that you can split and merge any Product Pack in the same way,

- For instructions on splitting a Product Pack, see [Splitting an IGEL Product Pack\(see page 227\)](#).
- For instructions on merging Product Packs, see [How to Merge IGEL Product Packs\(see page 231\)](#).

- ✓ For more information, see [What Is a Subscription Key and Why Do I Need It?\(see page 10\)](#) and [What Is the Interconnection with Subscription Key and Product Pack?\(see page 10\)](#)

What Is the Interconnection with Subscription Key and Product Pack?

The Subscription Key always has a minimum of one Product Pack assigned. Splitting of Product Packs can generate new Product Pack IDs, but the overlaying Subscription Key is permanent and does not change. Hence, a Subscription Key can have several Product Packs, and a Product Pack has always just one Subscription Key.

Can I Get Rid of Those Enterprise Management Pack Expiration Warnings?

Yes, you can. For details, see [How Can I Suppress Enterprise Management Pack Expiration Warnings?\(see page 177\)](#)



What Happens When My Licenses Have Expired?

Please refer to [IGEL COSMOS PAS - Entitlements and Effects of Expiration](#)(see page 180).

What Can I Do When My Licenses Have Expired?

Please refer to [My Licenses Have Expired - What Can I Do?](#)(see page 178)

Can I Remove an IGEL License Completely, Also from the Device?

Yes, you can. IGEL provides profiles for the Universal Management Suite (UMS) to achieve this. For instructions, see [How To Remove an IGEL License Completely](#)(see page 156)



IGEL Software Licenses Articles



IGEL Software Licenses How-Tos

This collection of documents describes the procedures for obtaining and rolling out licenses for IGEL software products. For rollout, IGEL recommends using the Universal Management Suite's License Management.

- [Acting as a Service Provider for Several Companies](#)(see page 14)
- [Finding Devices Which Need Licenses](#)(see page 47)
- [Getting a Demo License](#)(see page 60)
- [Deploying Licenses](#)(see page 62)
- [Licensing UMA](#)(see page 143)



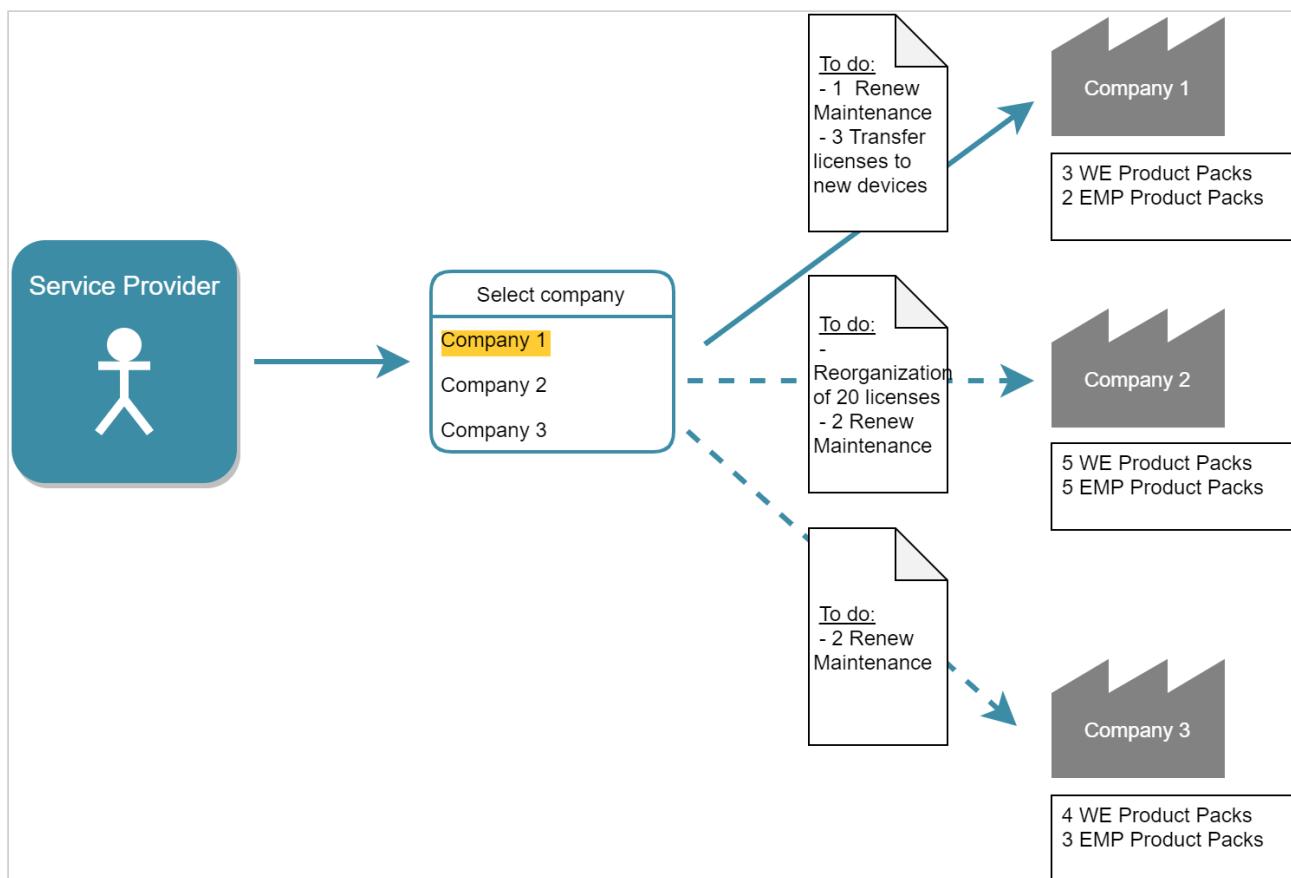
Acting as a Service Provider for Several Companies

Overview

If you are a service provider for several companies, ask the administrators of each company to assign the **Service Provider** role to you. It may make sense to provide the company administrator with basic instructions; see [Inviting a User to Your Company](#)(see page 197).

Afterwards, when you log in to the IGEL Licensing Portal (ILP), you select the company for which you want to work first. When you select a company, you enter the account of that company. Therefore, all Product Packs and licenses that belong to that company are at your disposal.

In the following example, a service provider is taking care of three companies. To work off his to-do lists, he logs in at the IGEL Licensing Portal (ILP) once and selects the company whose tasks he wants to work on next:



This article covers the following topics:

- [Prerequisites](#)(see page 15)
- [Basic Operations](#)(see page 15)
- [Renewing a Maintenance](#)(see page 18)
- [Moving Active Licenses between Product Packs](#)(see page 23)
- [Rearranging the Licenses of a Product Pack](#)(see page 28) (splitting and merging Product Packs)
- [Adding a Comment to a Product Pack](#)(see page 36)



- [Transferring a License from One Device to Another](#)(see page 38)
- [Managing Product Packs in an Automatic License Deployment \(ALD\) Environment](#)(see page 46)

Prerequisites

Operating the UMS

To be able to deploy licenses on behalf of a company, you need a user account for the company's Universal Management Suite (UMS).

If all companies which you are working for use Automatic License Deployment (ALD), you possibly can execute all tasks using only the ILP; the licenses that result from your actions are deployed to the devices automatically. Otherwise, you must use the UMS to deploy licenses manually; see [Manual License Deployment for IGEL OS](#)(see page 125).

For further information about operating the UMS, see [Endpoint Management \(UMS\)](#).

Registering with the IGEL Licensing Portal (ILP)

When you are invited by a company administrator, you receive an invitation e-mail. If you are not registered yet, you must register with the ILP once.

When you are registered with the ILP, you have a user account that allows you to work with any company that invites you as their service provider. You simply have to log in and select the right company.

To register with the ILP:

1. Click the registration link in your invitation e-mail.
2. Fill in all required fields and click **Register**.

Your request will be processed by the IGEL service team. When your request is accepted, you receive a confirmation e-mail.

Basic Operations

Selecting a Company

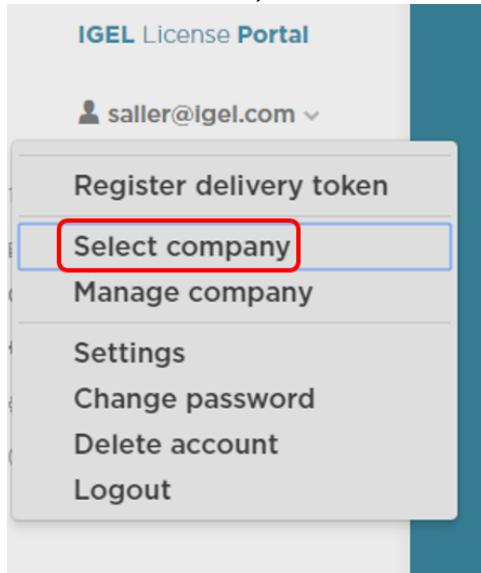
If you are assigned to more than one company, you must select the right company after login.

1. If you are not logged in to the IGEL License Portal (ILP), log in at <https://activation.igel.com>⁶.

⁶ <https://activation.igel.com/>

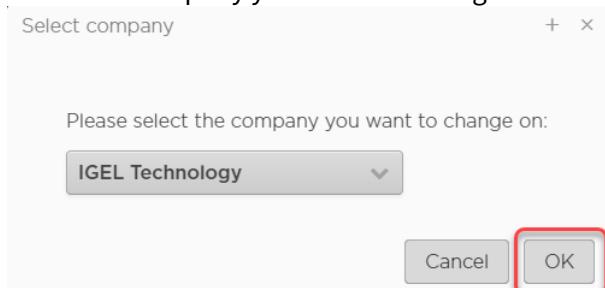


2. In the account menu, choose **Select Company**.



The dialog **Select company** is shown.

3. Select the company you want to manage and click **OK**.



The dashboard shows the data for the selected company.

Registering a Delivery Token

i This procedure is only required for Product Packs that have been purchased before 9/2021.

1. Log in at the IGEL License Portal (ILP): <https://activation.igel.com>⁷. If you have not registered yet, you must register first.
Your dashboard is shown.
2. Select **Register Delivery Token**.

⚠ Service Providers: Double Check that You Have Selected the Right Company

⁷ <https://activation.igel.com/>



Before you register a Delivery Token, make sure you have selected the right company. If you register a Delivery Token, the resulting Product Pack will be assigned to the currently selected company, no matter if that company has ordered this Product Pack or not. If you have registered a Delivery Token for the wrong company, contact the IGEL service team.

A screenshot of the IGEL License Portal's navigation menu. The menu items are: "IGEL License Portal", "saller@igel.com", "Register delivery token" (which is highlighted with a red box), "Select company", "Manage company", "Settings", "Change password", "Delete account", and "Logout".

3. Enter the Delivery Token, confirm the license terms and click **Send**.

A screenshot of a "Register delivery token" form. It contains a text input field labeled "Please enter your delivery token." and a blue "send" button. Below the input field is a checked checkbox next to the text "I have read and agree to the [licence terms](#) stated in the EULA.".

The details of your order are shown.



Order Details

Overview of order 1746ab9b-8cc1-41e0-8e3e-1a34045b1d47

Delivery Token:	Order time:	Description:
DLV-AEMC9	2019-10-18	doc
Status:	On:	By user:
Consumed	2019-10-18	saller@igel.com
SAP order ID	69-3456677	
<div style="border: 1px solid #ccc; padding: 10px; width: fit-content; margin: auto;"> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">#1 WE</div> <div style="display: flex; justify-content: space-around; align-items: center;"> L-4 1-YEARS </div> <div style="background-color: #ccc; color: black; padding: 5px 10px; border-radius: 5px; text-decoration: none; font-weight: bold;">> WE-AR4E9</div> </div>		

Renewing a Maintenance

When your IGEL software license order has been processed, you receive a notification e-mail from the IGEL Support team. You can then go to the IGEL License Portal (ILP) and redeem your renewals.

The procedure for renewing a maintenance for a perpetual license is the same as the procedure for renewing a non-perpetual license.

The following cases are described below:

- Typical case: You have ordered a renewal for all licenses that belong to a Subscription Key. In this case, no further action is required. To check if the renewal has been applied correctly, proceed with [Typical Renewal\(see page 18\)](#).
- When you have ordered renewals for only a subset of licenses, please note that you can only renew all licenses in a Product Pack, not just part of them. Hence, the procedure depends on how your licenses are organized:
 - If your licenses are already organized appropriately, so that no Product Pack contains licenses that are to be renewed as well as licenses that should not be renewed, proceed with [Renewal that Comprises Only Some Product Packs\(see page 20\)](#).
 - If there are Product Packs that contain licenses that are to be renewed as well as licenses that are not to be renewed, you must split those Product Packs accordingly. For instructions, see [Splitting an IGEL Product Pack\(see page 227\)](#) Afterward, proceed with [Renewal that Comprises Only Some Product Packs\(see page 20\)](#).

Typical Renewal/Migration

When you have ordered a renewal for all Product Packs that belong to a Subscription Key, no further action is required.

If you want to check your renewal:



1. Login to the ILP and go to **Subscription Keys**.

A screenshot of the "IGEL License Portal" navigation menu. The menu items are: Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware, Subscription Keys (which is highlighted with a red box), Product Packs, Archived packs, and IGEL Knowledge Base.

2. On the **Subscription Keys** page, check the **Expiration Date** for the relevant Subscription Key.

Subscription Keys

All Subscription Packs registered to IGEL Technology

Details	Subscription Key	Quantity	Start Date	Expiration Date	Status
⊕ 90M [REDACTED]	90M [REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ EMP-[REDACTED]	EMP-[REDACTED]	4	2021-08-01	2022-12-31	BOOKED
⊕ EMP-[REDACTED]	EMP-[REDACTED]	1			BOOKED_ILP
⊕ ERP-[REDACTED]	ERP-[REDACTED]	4	2021-08-01	2022-07-01	BOOKED
⊕ PWT-[REDACTED]	PWT-[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ TER-[REDACTED]	TER-[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ TER-[REDACTED]	TER-[REDACTED]	5	2021-07-06	2022-07-06	BOOKED_ILP
⊕ WE-[REDACTED]	WE-[REDACTED]	3		2023-07-01	BOOKED
⊕ WE-[REDACTED]	WE-[REDACTED]	4		2023-07-01	BOOKED



Renewal/Migration that Comprises Only Some Product Packs

1. Login to the ILP and go to **Subscription Keys**.

The screenshot shows the navigation menu of the IGEL License Portal. The menu items are:

- Home
- Orders
- Co-Term/Renewal
- UMS Licensing ID
- Search hardware
- Subscription Keys** (highlighted with a red box)
- Product Packs
- Archived packs
- IGEL Knowledge Base

2. If your license renewal is also a license migration to COSMOS PAS: Check if the number of EMP licenses within the relevant Subscription Key is at least as high as the number of licenses you want to renew/migrate. If not, you have to create EMP licenses from the WE licenses within your Subscription Key. For instructions, see [Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack](#)(see page 266).
3. On the **Subscription Keys** page, click **Redeem Renewal** (only clickable if you have a renewal to redeem).

The screenshot shows the 'Subscription Keys' page with the following table:

Details	Subscription Key	Quantity	Start Date	Expiration Date	Status
⊕	[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	[REDACTED]	1			BOOKED_ILP
⊕	[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	[REDACTED]	5	2021-07-06	2022-07-06	BOOKED_ILP
⊕	[REDACTED]	3		2023-07-01	OPEN



4. Select the renewal you want to redeem and click **Next**.

Redemption of open Renewals X

Please select a renewal you want to redeem:

RENEWAL

Cancel Back Next Finish

5. Select the Product Packs you want to renew. Please note that the Product Pack's number of licenses must match the renewals' number of licenses.

i If none of your Product Packs reflects the number of licenses you want to renew, you need to split your licenses accordingly before redeeming the renewal.



When you are done, click **Finish**.

Redemption of open Renewals X

Please select the product packs which should be extended:

Volume: 3 seats

Please select:

	Product Pack ID	Status	Seats
<input type="checkbox"/>	[REDACTED]	ACTIVATED	3
<input checked="" type="checkbox"/>	[REDACTED]	ACTIVATED	3
<input type="checkbox"/>	[REDACTED]	MERGED	0
<input type="checkbox"/>	[REDACTED]	MERGED	0
<input type="checkbox"/>	[REDACTED]	MERGED	0

3 of 3 seats selected

[Cancel](#) [Back](#) [Next](#) Finish

The selected Product Packs are renewed. The Product Packs that were associated with the same Subscription Key but have not been renewed are decoupled from the Subscription Key. As long as they have not reached their expiration date, they can be still used. But it is not possible to assign them back to the Subscription Key or renew them. On the **Product Packs** page, you can identify these Product Packs by the missing Subscription Key:

WE

+ Manage

ACTIVATED

Expiration date: 2022-07-01

0/3

A screenshot of the IGEL COSMOS PAS software interface. It shows a single product pack entry for 'WE' with the status 'ACTIVATED'. The expiration date is listed as '2022-07-01' and the seat count is '0/3'. A red box highlights the product ID field, which is currently empty.



Moving Active Licenses between Product Packs

You can move a license from one Product Pack to another by removing the license in one Product Pack and adding the license to another. The Product Packs must be of the same type; for instance, a license can be moved from one Enterprise Management Pack to another Enterprise Management Pack, but not from an Enterprise Management Pack to a Workspace Edition Product Pack.

Removing the License from Product Pack A

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>⁸. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack from which you want to move a license to another Product Pack.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Remove hardware**.

The screenshot shows the IGEL License Portal (ILP) dashboard for the 'EMP' product pack. The dashboard includes the following sections:

- Subscription ID:** EMP-R9HXH
- Comment:** (empty)
- ALD Token:** NOT SET
- UMS Licensing IDs:** Manage UMS Licensing IDs
- License file:** Download
- Hardware:** Show hardware, Add hardware, Remove hardware (highlighted with a red box)
- Archive:** Archive product pack
- Split:** Split product pack
- Status:** ACTIVATED, 1/10, 2020-01-24

⁸ <https://activation.igel.com/>



5. Select the device whose license you want to move, confirm I have read T&C..., and click OK.

EMP-R9HXH - Remove hardware

Remove hardware
Select the hardware you want to remove.

Search hardware	x	
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK Cancel

The license count of the Product Pack is decreased by 1. The license of the device can be added to another Product Pack.

EMP EMP-R9HXH

- Manage
- Subscription ID: x
- Comment: e
- ALD Token: x
- Generate ALD token
- UMS Licensing IDs: Manage UMS Licensing IDs
- Hardware: Show hardware
- Add hardware
- Remove hardware
- Archive: Archive product pack
- Split: Split product pack
- ACTIVATED 0/10 2020-01-24



Assigning the License to Product Pack B

1. Click **Add hardware**.

A screenshot of the IGEL COSMOS PAS software interface. The main title bar says "EMP" and "EMP-6QQZV". On the left, there's a sidebar with "Manage", "Subscription ID: EMP-6QQZV", "Comment:", "ALD Token: NOT SET", "Generate ALD token", "UMS Licensing IDs: Manage UMS Licensing IDs", "Hardware: Show hardware", "Add hardware" (which is highlighted with a red rectangle), "Remove hardware", and "Archive: Archive product pack". At the bottom, it shows "NEW", "0/1", and "Duration: 1 Year(s)".

The "Add hardware" button is highlighted with a red rectangular border.



2. Click the symbol to add a unit ID.

EMP-6QQZV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (0/1)

A screenshot of the "Add hardware" dialog box. It contains a table with three columns: "Select hardware", "Unit ID", and "Product". In the "Select hardware" column, there is a button with a plus sign (+) which is highlighted with a red box. The "Unit ID" column is currently empty. The "Product" column is also empty. At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

3. Enter the unit ID and click **OK**.

Add hardware

Product *

UD, OSC

Unit ID *

00:OB:CA:05:50:18

A screenshot of the "Add hardware" dialog box. It shows the "Unit ID" field containing the value "00:OB:CA:05:50:18", which is highlighted with a red box. Below the input field are two buttons: "OK" and "Cancel", with "OK" being highlighted with a red box.

The new device license is shown.



4. Press OK.

EMP-6QQZV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & Drop Upload

Add hardware

Select the hardware you want to add.

New hardware: (1/1)

Search hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

OK Cancel

- 5. The license count of Product Pack B is increased by 1. The license is now contained in Product Pack B.**

EMP **EMP-6QQZV**

- Manage
- Subscription ID: **EMP-6QQZV**
- Comment:
- ALD Token: **NOT SET**
- Generate ALD token
- UMS Licensing IDs: [Manage UMS Licensing IDs](#)
- License file: [Download](#)
- Hardware: [Show hardware](#)
- Remove hardware
- Archive: [Archive product pack](#)

ACTIVATED **1/1** **2020-02-13**



Rearranging the Licenses of a Product Pack

Splitting a Product Pack

The typical use case for splitting a Product Pack is as follows: You want to renew some licenses. But the licenses are organized in such a way that licenses that are to be renewed and licenses you do not want to renew are contained in the same Product Pack. Thus, you need a method to separate those licenses which should be renewed from those which should be exempted from the renewal. This is done by splitting the Product Pack.

Splitting a Product Pack will result in two Product Packs.

Splitting a Product Pack requires the IGEL License Portal (ILP); the IGEL Universal Management Suite (UMS) can not be used for this purpose.

You can only split one Product Pack at a time; bulk processing is not possible.

i ICG Licenses Only in Multiples of 10

If you split a Product Pack that contains IGEL Cloud Gateway (ICG) licenses, the license count in the resulting Product Packs will always be a multiple of 10. Example: Your Product Pack has 90 licenses, and you want to halve it. As creating Product Packs with a count of 45 is not possible, you create one Product Pack with 50 licenses and one with 40 licenses.

Example: Separating Licenses for Renewal

In the following example, we will split those licenses that should not be renewed into a new Product Pack, so that the original Product Pack can be renewed.

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>⁹. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to split.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.

⁹ <https://activation.igel.com/>



4. Click **Split product pack**.

A screenshot of a software interface titled "EMP" under "Manage". The "Product Pack ID" is listed as "EMP-W4PGC". Below it are fields for "Comment" and "ALD Token" (set to "NOT SET"), each with a "Generate ALD Token" button. A section for "UMS Licensing IDs" has a "Manage UMS Licensing IDs" button. Under "Delivery Token", there's a "Show Delivery Token" button. "License file" has a "Download" button. "Hardware" has a "Show hardware" button, followed by a "Remove hardware" button. "Archive" has an "Archive Product Pack" button. The "Split" section is highlighted with a red box around the "Split Product Pack" button. Other options include "Merge" (with "Merge with other Product Pack(s)" button) and "ACTIVATED" status with an expiration date of "2022-07-07".

The **Split product pack** dialog opens.

5. Specify the number of licenses that should be moved to the new Product Pack; in our example, these are the licenses that should not be renewed.



Split Product Pack

x

Select the number of slots to split into a new pack

 Split only empty slots

OK

Cancel

6. Select the licenses that should be moved to the new Product Pack.

Select the number of slots to split into a new pack

	Product	Hardware Value
<input checked="" type="checkbox"/>	UD, OSC	(
<input type="checkbox"/>	UD, OSC	
<input type="checkbox"/>	UD, OSC	

Search hardware X

» «

3 / 2

	Product	Hardware Value
<input type="checkbox"/>		

Search hardware X

0 / 1



Select the number of slots to split into a new pack

	Product	Hardware Value
<input type="checkbox"/>	UD, OSC	[REDACTED]
<input type="checkbox"/>	UD, OSC	[REDACTED]

	Product	Hardware Value
<input type="checkbox"/>	UD, OSC	[REDACTED]

>>
<<

2 / 2
1 / 1

OK
Cancel

The two Product Packs that result from the split are shown.

EMP
+ Manage

EMP-
ACTIVATED
2/2
Expiration date: 2022-07-07

EMP
+ Manage

EMP-
ACTIVATED
1/1
Expiration date: 2022-07-07

7. If you are using Automatic License Deployment (ALD): To check the results, open your UMS Console, go to **UMS Administration > Global Configuration > Licenses > Deployment** and click the refresh button.

Used proxy server []

Connection test []

Registered packs (information lastly updated on Jan 21, 2022 1:26:06 PM)

Pack ID	Product	Used lice...	Subscription status (expiration dat...	Status	Manual ...	Automa...	Automa...	Registration Error
WE-EI8KS	Worksp...	1/3	Activated (Expiration date: Jul 1, 20...	Active	Enabled	Enabled	No Con...	
WE-ZQR...	Worksp...	1/3	Activated (Expiration date: Jul 1, 20...	Active	Enabled	Enabled	No Con...	
EMP-W4...	Enterpri...	2/2	Activated (Expiration date: Jul 7, 20...	Active	Enabled	Enabled...	No Con...	
EMP-90...	Enterpri...	1/1	Activated (Expiration date: Jul 7, 20...	Active	Enabled	Enabled...	No Con...	

8. Continue with [Renewing a Maintenance / Subscription in the IGEL License Portal \(ILP\)](#)(see page 217), section "Renewal that Comprises Only Some Product Packs".



Merging Product Packs

You can merge an IGEL Product Pack with one or more IGEL Product Packs that belong to the same Subscription Key. Any hardware duplicates will be eliminated in the merge process.

The Product Packs that have been merged into the first Product Pack are archived; their status is **MERGED**.

Use Cases of Merging IGEL Product Packs

Co-terming

When co-terming is performed, the product packs from the Subscription Keys with the earlier expiry dates are moved to the Subscription Key with the latest expiry date. As these Product Packs now all belong to the same Subscription Key, you can merge them into one single Product Pack.

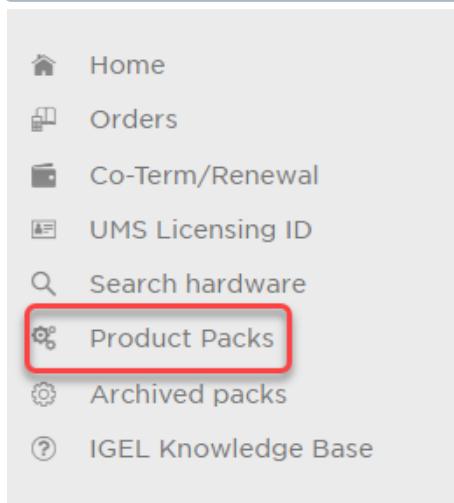
Renewal with additional licenses

If you order additional licenses together with a renewal, a new Product Pack is created. It might make sense to merge the new Product Pack with the already existing Product Pack.

Instructions

1. In the list of Product Packs, find the Product Pack you want to merge with others and click **Manage**.

The new Product Pack that will result from the merge will inherit its Product Pack ID from this Product Pack.





Product Packs

All Product Packs Registered to IGEL Technology

All products

All UMS Licensing IDs

Search Product Pac

Filter by date

	WE		WE-JSW1K		0/4		Expiration date: 2022-07-01
	+ Manage						
		ACTIVATED					

	WE		WE-CBOXF		0/3		Expiration date: 2022-07-01
	+ Manage						
		ACTIVATED					

	WE		WE-CBOXF		0/2		Expiration date: 2022-07-01
	+ Manage						
		ACTIVATED					

	WE		WE-CBOXF		0/1		Expiration date: 2022-07-01
	+ Manage						
		ACTIVATED					

2. Click **Merge with other Product Pack(s)**.

WE WE-CBOXF WE-CBOXF

– Manage

Maintenance ID: WE-CBOXF

Subscription Key: WE-CBOXF

Comment:

ALD Token: NOT SET

UMS Licensing IDs:

Delivery Token:

Hardware:

Archive:

Split:

Merge: Merge with other Product Pack(s)

ACTIVATED 0/3

Expiration date: 2022-07-01



3. Select the Product Packs you want to merge with the current Product Pack and click **OK**.

Merge WE-CBOXF with other Product Pack(s) X

Select Product Pack(s) for the Subscription Key WE-CBOXF, who should be merged into WE-CBOXF.

<input type="checkbox"/>	Product Pack / Maintenance ID	Volume
<input checked="" type="checkbox"/>	WE-J8IPI	0/2
<input checked="" type="checkbox"/>	WE-EJTMY	0/1

OK Cancel



4. Review the confirmation dialog and if everything is correct, click **Yes**.

Merge with other Product Pack(s) X

Do you really want to merge the following product packs:

WE-CBOXF

WE-J8IPI

WE-EJTMY

New Product Pack ID: WE-CBOXF

Cancel

Yes

The new Product Pack is created.

A screenshot of a software interface showing a list of product packs. At the top, there are filters for 'All products', 'All UMS Licensing IDs', 'Search Product Pac', and 'Filter by date'. Below the filters, there are two product pack entries. The first entry is 'WE' with a status of 'ACTIVATED', '0/4' available, and an expiration date of '2022-07-01'. The second entry is 'WE-CBOXF' with a status of 'ACTIVATED', '0/6' available, and an expiration date of '2022-07-01'. The 'WE-CBOXF' entry is highlighted with a red box around its entire row.

Adding a Comment to a Product Pack

To organize your Product Packs, you can add a comment to each Product Pack.

To add or edit a comment:



1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>¹⁰. Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to add a comment to.
3. Click  in the appropriate list entry to open the management dialog. The management dialog opens.
4. Click  to add a comment or edit an existing comment.

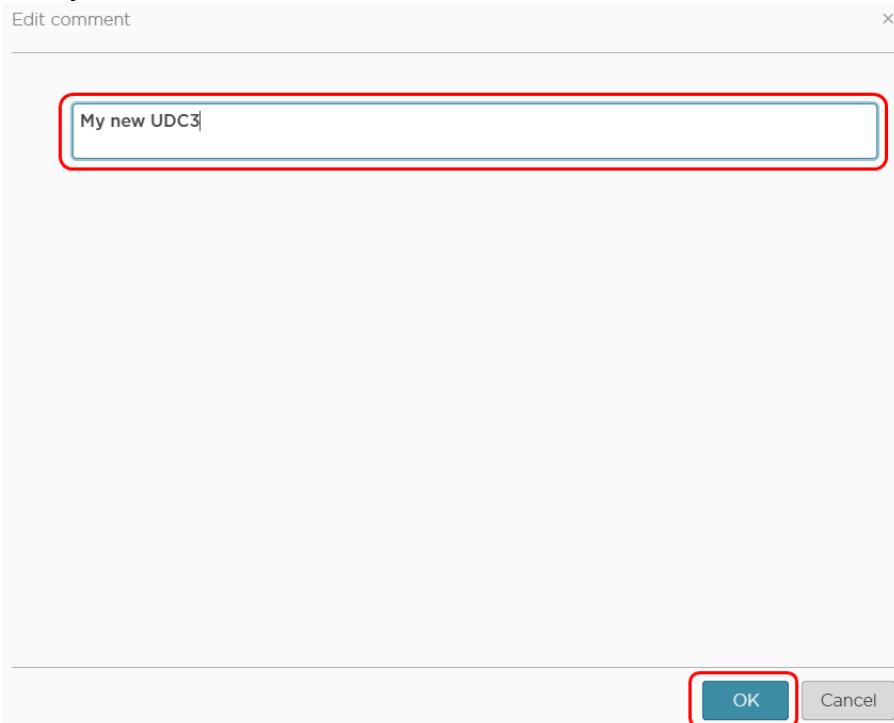
The screenshot shows the management dialog for a Product Pack named "UDC3-AK5Z3". The dialog includes fields for Subscription ID (UDC3-AK5Z3), Comment (with a red box around the edit icon), Activation key (7316-7d01-b560-6493-c182), ALD Token (eae33481-b845-491d-81af-b60012c50e7d), UMS Licensing IDs (Manage UMS Licensing IDs), Hardware (Show hardware, Add hardware, Remove hardware), Archive (Archive product pack), and status indicators (ACTIVATED, 0/1, 2019-12-21).

The **Edit comment** dialog opens.

¹⁰ <https://activation.igel.com/>



5. Enter your comment and click **OK**.



The comment is saved.

You can search for the comment using the text field **Search product pack**:



Transferring a License from One Device to Another

You can move a license from one device to another device by removing it from device A and then assigning it to device B.

Feature Requires License

License portability requires a valid subscription. This applies to both IGEL OS 11 and IGEL OS 12. When the subscription expires, licenses cannot be moved between devices anymore.

Removing the License from Device A

1. Log in to the IGEL License Portal (ILP): <https://activation.igel.com>¹¹. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack from which you want to move a license to another device.

¹¹ <https://activation.igel.com>



3. Click  in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Remove hardware**.

The screenshot shows the management dialog for the device **EMP-R9HXH**. The left sidebar lists various management options: **Manage**, **Subscription ID:** (set to **EMP-R9HXH**), **Comment:** (empty), **ALD Token:** (set to **NOT SET**), **Generate ALD token** button, **UMS Licensing IDs:** (button to **Manage UMS Licensing IDs**), **License file:** (button to **Download**), **Hardware:** (button to **Show hardware**), **Add hardware** button, **Remove hardware** button (which is highlighted with a red rectangle), **Archive:** (button to **Archive product pack**), and **Split:** (button to **Split product pack**). At the bottom, it shows the status as **ACTIVATED**, page **1/10**, and date **2020-01-24**.

5. Select the device from which you want to remove the license, confirm **I have read T&C...**, and click **OK**.



EMP-R9HXH - Remove hardware

Remove hardware

Select the hardware you want to remove.

Search hardware	X	
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK Cancel

The license count of the Product Pack is decreased by 1. The license is no longer valid for this device and can be assigned to another device.

EMP
EMP-R9HXH

- Manage
- Subscription ID: X
- Comment: Pencil
- ALD Token: X

[Generate ALD token](#)
- UMS Licensing IDs: Manage UMS Licensing IDs
- Hardware: Show hardware
Add hardware
Remove hardware
- Archive: Archive product pack
- Split: Split product pack
- ACTIVATED 0/10 2020-01-24



Assigning the License to Device B

1. Click **Add hardware**.A screenshot of the IGEL COSMOS PAS software interface. The left sidebar shows a tree structure with "EMP" expanded, and "Manage" selected. The main panel displays product information: "Subscription ID: EMP-R9HXH", "Comment: (empty)", "ALD Token: NOT SET", "Generate ALD token" button, "UMS Licensing IDs: Manage UMS Licensing IDs" button, "Hardware: Show hardware" button, "Add hardware" button (which is highlighted with a red rectangular border), "Remove hardware" button, "Archive: Archive product pack" button, and "Split: Split product pack" button. At the bottom, status indicators show "ACTIVATED", "0/10" usage, and "2020-01-24" expiration date.

EMP

Manage

Subscription ID: EMP-R9HXH

Comment:

ALD Token: NOT SET

Generate ALD token

UMS Licensing IDs: Manage UMS Licensing IDs

Hardware: Show hardware

Add hardware

Remove hardware

Archive: Archive product pack

Split: Split product pack

ACTIVATED

0/10

2020-01-24



2. Click the symbol to add a unit ID.

EMP-R9HXH - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding new hardware.

Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (0/10)

A modal dialog titled "Add hardware" contains a search bar ("Search hardware") and a table with columns "Select hardware", "Unit ID", and "Product". A red box highlights the "+" button in the top-left corner of the table header. The "OK" and "Cancel" buttons are visible at the bottom right of the dialog.

3. Enter the unit ID and click **OK**.

Add hardware

Product *

Unit ID *

OK Cancel

The new device license is shown.

**4. Press OK.**

EMP-R9HXH - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (1/10)

+	Search hardware	X
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:E0:C5:1C:50:87	UD, OSC



5. The license count of the Product Pack is increased by 1. The license is now assigned to the new device.

A screenshot of the IGEL COSMOS PAS software interface. The left sidebar shows navigation items like 'EMP' and 'Manage'. The main area displays a product pack configuration for 'EMP-R9HXH'. It includes fields for 'Subscription ID' (set to 'EMP-R9HXH'), 'Comment' (empty), 'ALD Token' (set to 'NOT SET'), and buttons for 'Generate ALD token', 'Manage UMS Licensing IDs', 'Download License file', 'Show hardware', 'Add hardware', 'Remove hardware', 'Archive product pack', and 'Split product pack'. At the bottom, status indicators show 'ACTIVATED' with a gear icon, '1/10' (highlighted with a red box), and a date '2020-01-24'.



Checking the Result

1. On the management dialog of your Product Pack, click **Show hardware**.

The screenshot shows the management dialog for a Product Pack named 'EMP'. The top right corner displays the product name 'EMP-R9HXH' next to a key icon. The left sidebar lists various categories: 'EMP' (selected), 'Manage', 'Subscription ID:', 'Comment:', 'ALD Token:', 'UMS Licensing IDs:', 'License file:', 'Hardware:', 'Archive:', 'Split:', and 'ACTIVATED' (status). The 'Hardware:' section contains three buttons: 'Show hardware', 'Add hardware', and 'Remove hardware', with 'Show hardware' being highlighted by a red rectangle. At the bottom, there are status indicators for '1/10' and '2020-01-24'.

EMP	EMP-R9HXH
Manage	
Subscription ID:	EMP-R9HXH
Comment:	
ALD Token:	NOT SET
Generate ALD Token	
UMS Licensing IDs:	Manage UMS Licensing IDs
License file:	Download
Hardware:	Show hardware
	Add hardware
	Remove hardware
Archive:	Archive Product Pack
Split:	Split Product Pack
ACTIVATED	1/10 2020-01-24



2. Check the symbols under **Activated**. means that the hardware is activated; means that the hardware is deactivated.

EMP-R9HXH	
Hardware	Activated
00:0B:CA:05:50:18	<input type="checkbox"/>
00:E0:C5:1C:50:87	<input checked="" type="checkbox"/>

Managing Product Packs in an Automatic License Deployment (ALD) Environment

When Automatic License Deployment (ALD) is set up, you can assign or unassign Product Packs for license deployment. The deployment procedure itself is handled automatically.

For further information, see the following documents:

- [Assigning a Product Pack](#)(see page 248)
- [Unassigning a Product Pack](#)(see page 258)
- [Reviewing the Assigned Product Packs](#)(see page 256)

Finding Devices Which Need Licenses

 The procedures described here require UMS 6.02 or higher.

To find devices which require Workspace Edition (WE) or Endpoint Management (EMP) licenses, you can use a view with **Device License** as the search criterion.

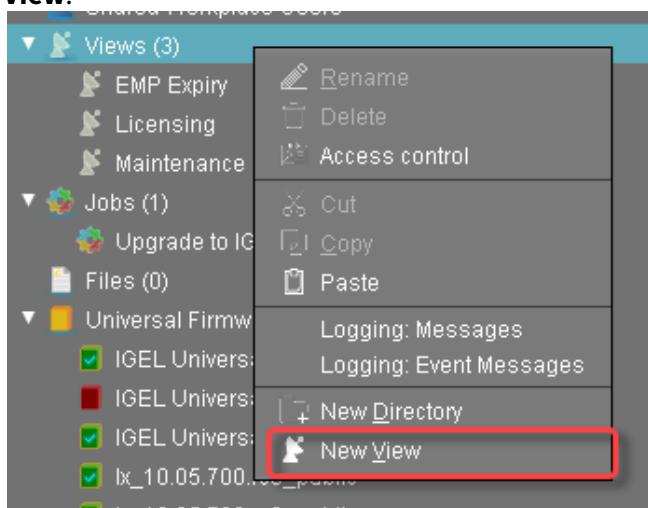
The following procedures are described in this article:

- [Finding Unlicensed Devices](#)
- [Finding Devices Whose Licence Is about to Expire](#)
- [Finding Devices with Expired Licenses](#)

When you have created the view that serves your purpose, you can export the Unit IDs selected by the view; see [Creating a Unit ID List for IGEL OS](#)(see page 126).

Finding Unlicensed Devices

1. In the structure tree of the UMS Console, go to **Server [- host address] > Views** and select **New View**.





2. In the **Name** field, provide a name for the view.

Create new view

View name

Name

Description

Expert mode

< Back Next > Finish Cancel

3. Optionally, you can add a description in the **Description** field.

Create new view

View name

Name

Description

Expert mode

< Back Next > Finish Cancel

4. Click **Next**,

Create new view

View name

Name: Devices without Enterprise Management Pack license

Description: Devices which need an Enterprise Management Pack license

Expert mode

Back Next Finish Cancel

5. Select **Device License** as the select criterion and click **Next**.

Create new view

Select criterion

Filter ...

Basic Information

Device License

Asset Inventory

Back Next Finish Cancel



6. Select the **License type** of the licenses whose lack you want to detect.

Create new view

License type: Enterprise Management Pack

License status: Unlicensed

Will expire:

Date range Date

from _____ to _____

Back **Next** **Finish** **Cancel**

7. Under **License status**, select **Unlicensed** and click **Next**.

Create new view

License type: Enterprise Management Pack

License status: Unlicensed

Will expire:

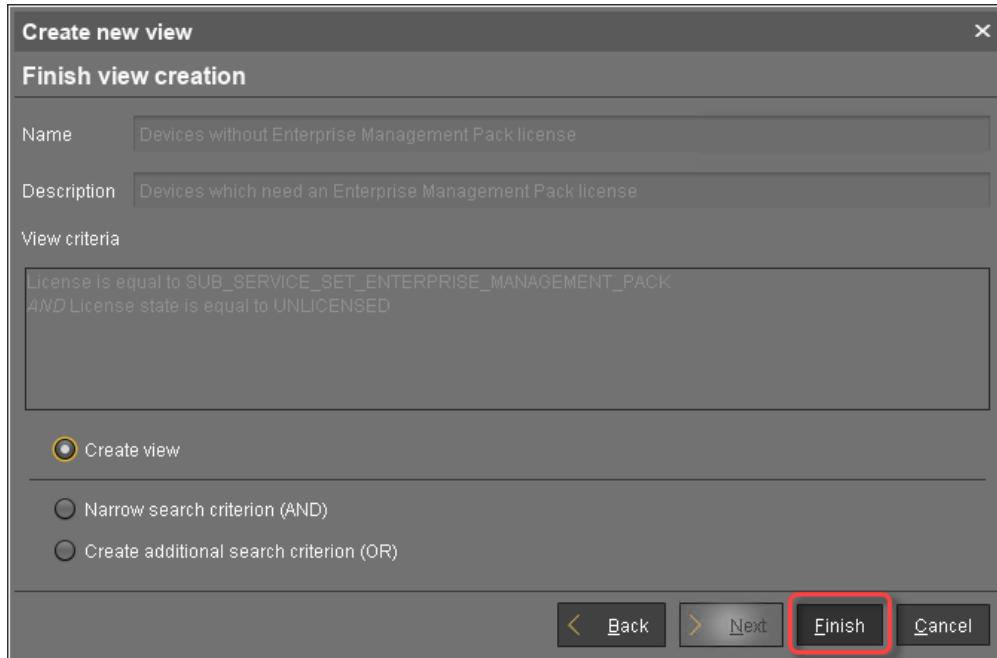
Date range Date

from _____ to _____

Back **Next** **Finish** **Cancel**



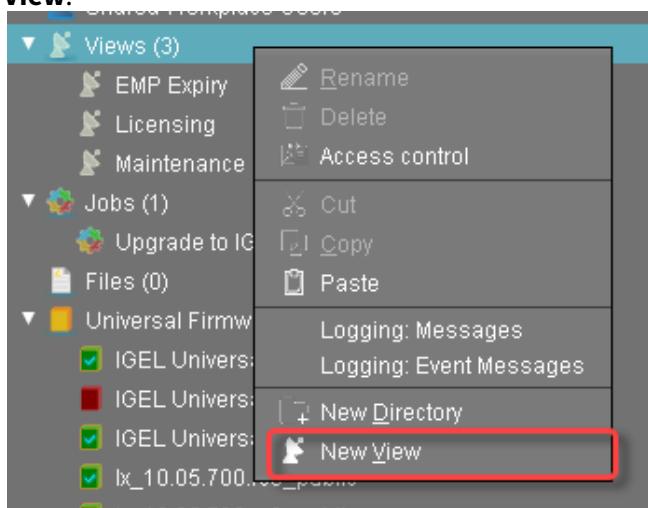
8. Click **Finish** to create the view.



All devices that match the select criterion are listed.

Finding Devices Whose Licence Is about to Expire

1. In the structure tree of the UMS Console, go to **Server [- host address] > Views** and select **New View**.





2. In the **Name** field, provide a name for the view.

Create new view

View name

Name (highlighted)

Description

Expert mode

< Back Next > Finish Cancel

3. Optionally, you can add a description in the **Description** field.

Create new view

View name

Name (highlighted)

Description (highlighted)

Expert mode

< Back Next > Finish Cancel

4. Click **Next**.

Create new view

View name

Name: License expiry

Description: Devices whose license will expire soon

Expert mode

Back Next Finish Cancel

5. Select **Device License** as the select criterion and click **Next**.

Create new view

Select criterion

Filter ...

Basic Information

Device License

Comment
 Expiration Date of Maintenance...
 Keystore alias
 Name
 Serial Number

Cost Center
 Device Serial Number
 Igel Cloud Gateway
 Last known IP Address
 Online
 Site

Department
 Directory
 In Service Date
 Mac Address
 Profile Assignment
 Unit ID

Asset Inventory

Asset ID
 BIOS Version
 CPU Speed

BIOS Date
 Battery level
 CPU Type

Back Next Finish Cancel



6. Select the **License type** of the licenses whose expiry you want to detect.

Create new view

License type: **Workspace Edition Maintenance** (highlighted with a red box)

License status: **Expired**

Will expire:

Date range Date

from: [] to: []

Back **Next** **Finish** **Cancel**

7. Under **License status**, select **Licensed** and select **Will Expire**:

Create new view

License type: **Workspace Edition Maintenance**

License status: **Licensed** (highlighted with a red box)

Will expire:

Date range Date

from: [] to: []

Back **Next** **Finish** **Cancel**



8. Select a **Date range** or a **Date** for the license expiry you want to detect; then, click **Next**.

Create new view

License type: Workspace Edition Maintenance

License status: Licensed

Will expire:

Date range Date

from May 28, 2019 to Jun 28, 2019

Back **Next** **Finish** **Cancel**

9. Click **Finish** to create the view.

Create new view

Finish view creation

Name: License expiry

Description: Devices whose license will expire soon

View criteria

License is equal to SUB_SERVICE_SET_WORKSPACE_EDITION
AND License state is equal to LICENSED
AND License expiration date is later than 2019-05-28
AND License expiration date is earlier than 2019-06-28

Create view
 Narrow search criterion (AND)
 Create additional search criterion (OR)

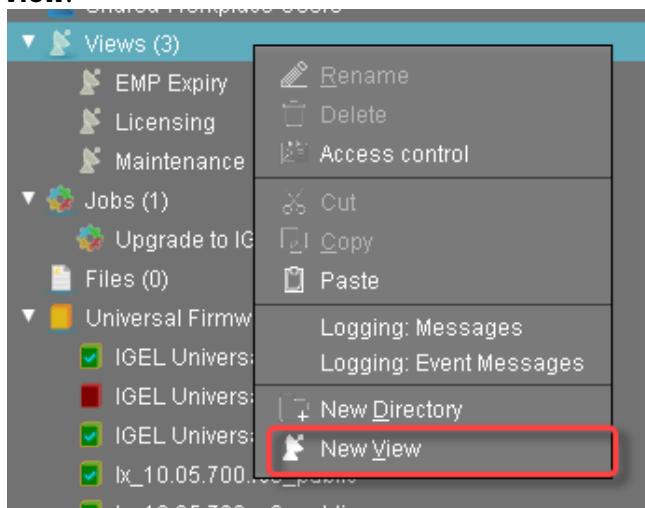
Back **Next** **Finish** **Cancel**

All devices that match the select criterion are listed.



Finding Devices with Expired Licenses

1. In the structure tree of the UMS Console, go to **Server [- host address]** > **Views** and select **New View**.



2. In the **Name** field, provide a name for the view.

Create new view

View name

Name

Description

Expert mode

< Back > Next Finish Cancel



3. Optionally, you can add a description in the **Description** field.

Create new view

View name

Name

Description

4. Click **Next**.

Create new view

View name

Name

Description



5. Select **Device License** as the select criterion and click **Next**.

Create new view

Select criterion

Filter ...

Basic Information

- Comment
- Device License
- Expiration Date of Maintenance...
- Keystore alias
- Name
- Serial Number
- Cost Center
- Device Serial Number
- Igel Cloud Gateway
- Last known IP Address
- Online
- Site
- Department
- Directory
- In Service Date
- Mac Address
- Profile Assignment
- Unit ID

Asset Inventory

- Asset ID
- BIOS Version
- CPU Speed
- BIOS Date
- Battery level
- CPU Type
- BIOS Vendor
- Boot Mode
- Device Type

Back **Next** Finish Cancel

6. Select the **License type** of the licenses whose expiry you want to detect.

Create new view

License type: **Workspace Edition Maintenance**

License status: **Expired**

Will expire:

Date range

from to

Date

Back **Next** Finish Cancel



7. Under **License status**, select **Expired** and click **Next**.

Create new view

License type: Enterprise Management Pack

License status: **Expired** (highlighted with a red box)

Will expire:

Date range Date

from _____ to _____

Back **Next** **Finish** **Cancel**

8. Click **Finish** to create the view.

Create new view

Finish view creation

Name: License expired

Description: Devices whose licenses have expired

View criteria

License is equal to SUB_SERVICE_SET_ENTERPRISE_MANAGEMENT_PACK
AND License state is equal to EXPIRED

Create view

Narrow search criterion (AND)
 Create additional search criterion (OR)

Back **Next** **Finish** **Cancel**

All devices that match the select criterion are listed.



Getting a Demo License

There are two ways of getting your IGEL demo license:

- Request a demo license from <https://www.igel.com/get-started/try-for-free/>
- On the first startup of your IGEL OS device. The IGEL Setup Assistant will help you obtain a free evaluation license.

The evaluation license will be valid for a period of 90 days.

A demo license provides the features and capabilities contained in the following Product Packs and licenses:

- Workspace Edition (WE); see [Workspace Edition](#)
- Enterprise Management Pack (EMP); see [Enterprise Management Pack](#)
- PCoIP client by Teradici (IGEL OS 11.01.110 or higher; see [PCoIP Session](#))

- i** With your IGEL demo license, you get a temporary account in our Service Hub. By default, you will be assigned the role of the Super Admin. For details, see [Managing Users and Roles in the IGEL Customer Portal](#).

Requirements for Getting a Demo License on First Startup

- Network connection
- The endpoint device has been converted by IGEL OS Creator (OSC) or is ready to boot from UD Pocket. For more information, see the [IGEL OS Creator Manual](#) or the [IGEL UD Pocket User Manual](#).
- Your device is not configured yet and has not been registered with the UMS.

Getting Your Demo License on First Startup

1. Start the device.

The Setup Assistant starts. For details about all configuration steps, see the manual chapter [Setup Assistant for IGEL OS](#).

- i** If the IGEL Setup Assistant does not start, this means that your device has been configured or registered already. If this is the case, and you have a Delivery Token, continue with [Getting the License File from the IGEL License Portal](#)(see page 127).

2. At the step **Activate your IGEL OS**, make a choice when asked, and fill in every field to receive a 90-day evaluation license.

i **Proxy configuration**

If you get an error message at this stage of the wizard, you may need to configure a proxy. Click **Proxy configuration** to get to the configuration dialog.
For a description of the possible proxy settings, see the [Troubleshooting: Proxy Configuration](#) section under [Setup Assistant for IGEL OS](#).

3. Check **I agree to the terms + conditions and privacy policy**.



4. Click **ACTIVATE YOUR OS 11**.

When the license has been fetched, a confirmation is shown. Additionally, an e-mail is sent to the address you have provided. The e-mail contains links for downloading and installing the Universal Management Suite (UMS).

5. Click **Next**.

6. Continue with the configuration.

7. When you have finished the configuration, click **Restart**.

After the restart, your IGEL OS device is fully functional for a period of 90 days.



Deploying Licenses

Choose one of the following methods of license deployment, according to your needs:

- [Automatic License Deployment \(ALD\)](#)(see page 62) - Fully automated license deployment; the setup requires some effort.

⚠ Note for Managed Service Providers (MSP)

This method is NOT appropriate if you want to manage devices of several clients with one single UMS; for this use case, you should use [Automatic License Deployment \(ALD\) with ALD Token](#)(see page 95).

- [Automatic License Deployment \(ALD\) with ALD Token](#)(see page 95) - Largely automated license deployment; the setup requires less effort than [Automatic License Deployment \(ALD\)](#)(see page 62). Use this method if want to manage devices of several clients with one single UMS. This is typical for Managed Service Providers.
- [Manual License Deployment for IGEL OS](#)(see page 125) - Get a license file for a predefined set of devices; the devices are identified by their unit IDs
- [Manual License Deployment for IGEL OS without UMS](#)(see page 134) - A quick and easy way to deploy a license on a single device that has not yet been configured by the UMS
- [Hardware-Bundled IGEL License Deployment](#)(see page 139) - Deployment of licenses purchased together with hardware manufactured by an IGEL Hardware Partner.



Setting up Automatic License Deployment (ALD)

You can configure the UMS to automatically assign licenses to devices. When Automatic License Deployment (ALD) is configured, and the UMS finds a device that needs a license, it fetches a license from the IGEL Licensing Service (ILS) and deploys it to the device automatically. The license is derived from a Product Pack; you can monitor the current license consumption using the IGEL License Portal (ILP).

⚠ Note for Managed Service Providers (MSP)

This method is NOT appropriate if you want to manage devices of several clients with one single UMS; for this use case, you should use [Automatic License Deployment \(ALD\) with ALD Token](#)(see page 95).

Prerequisites

- UMS 6.01.100 or higher
- At least 1 Product Pack
- The required open ports are described in IGEL UMS Communication Ports.

Use Cases

The ALD can be used for the following:

- Assigning licenses from an IGEL Workspace Edition (WE) Product Pack to new devices while registering the devices to the UMS
- Assigning licenses from an IGEL Enterprise Management Pack (EMP) to a selection of device
- Renewing licenses from an IGEL Workspace Edition (WE) Product Pack

ⓘ Renewing licenses with UMS 6:

If ALD is activated, a renewed license is automatically downloaded and registered to the UMS and deployed to the devices of a product pack if:

- the product pack, which should be renewed, is registered in the UMS.
- the product pack is renewed in ILP (gets a new expiration date) and the pack information gets refreshed in the UMS.

Renewing licenses with with UMS12:

The automatic license exchange option is introduced. When enabled, the devices with an expired or expiring license automatically get a renewed license from another pack with a later expiration date. For more information, see Deployment - Deploying Licenses through the IGEL UMS.

Supported License Types

The following license types are supported by ALD:

- Workspace Edition; see [Workspace Edition](#)
- Add-on licenses for Workspace Edition (IGEL OS 11.01.110 or higher); see [Add-On Licenses](#)
- Enterprise Management Pack; see [Enterprise Management Pack](#)
- Universal Desktop Converter (UDC3)



- Universal Desktop Pocket (UDP)
- Universal Management Agent (UMA)

Procedure

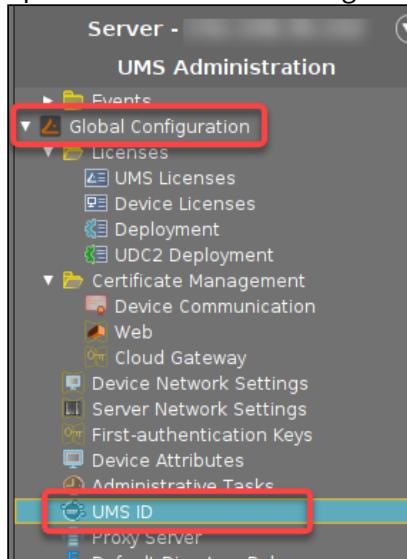
1. [Obtaining Your UMS ID](#)(see page 65)
2. [Registering Your UMS ID](#)(see page 67)
3. [Assigning a Product Pack to the UMS ID](#)(see page 72)
4. [Preventing User Intervention](#)(see page 75)
5. [Configuring the Distribution Conditions](#)(see page 76)
6. [Enabling Automatic License Deployment](#)(see page 87)
7. [Intervals for Automatic License Deployment](#)(see page 90)
8. [Checking If the Licenses Have Been Deployed Successfully](#)(see page 91)
9. [\(Optional\) Starting the License Assignment Manually](#)(see page 92)



Obtaining Your UMS ID

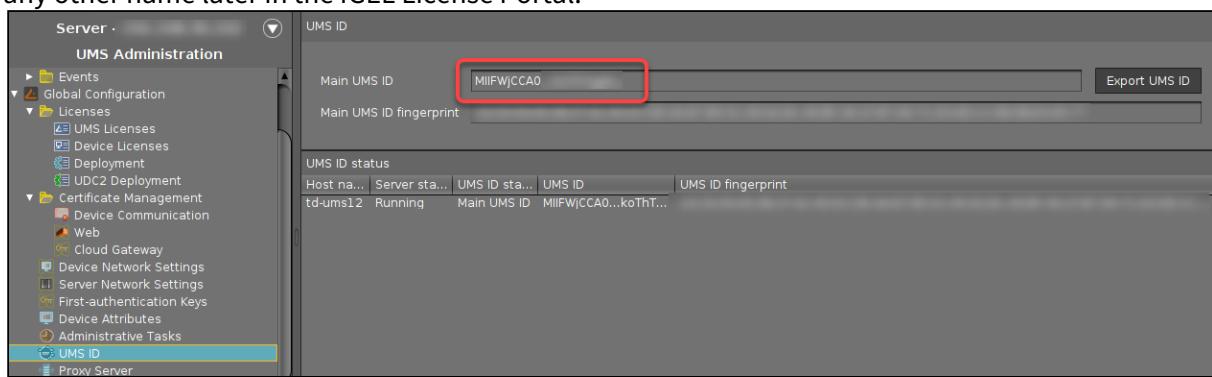
Follow the steps below to export the UMS ID to a certificate file.

1. Open the UMS Console and go to **UMS Administration > Global Configuration > UMS ID**.



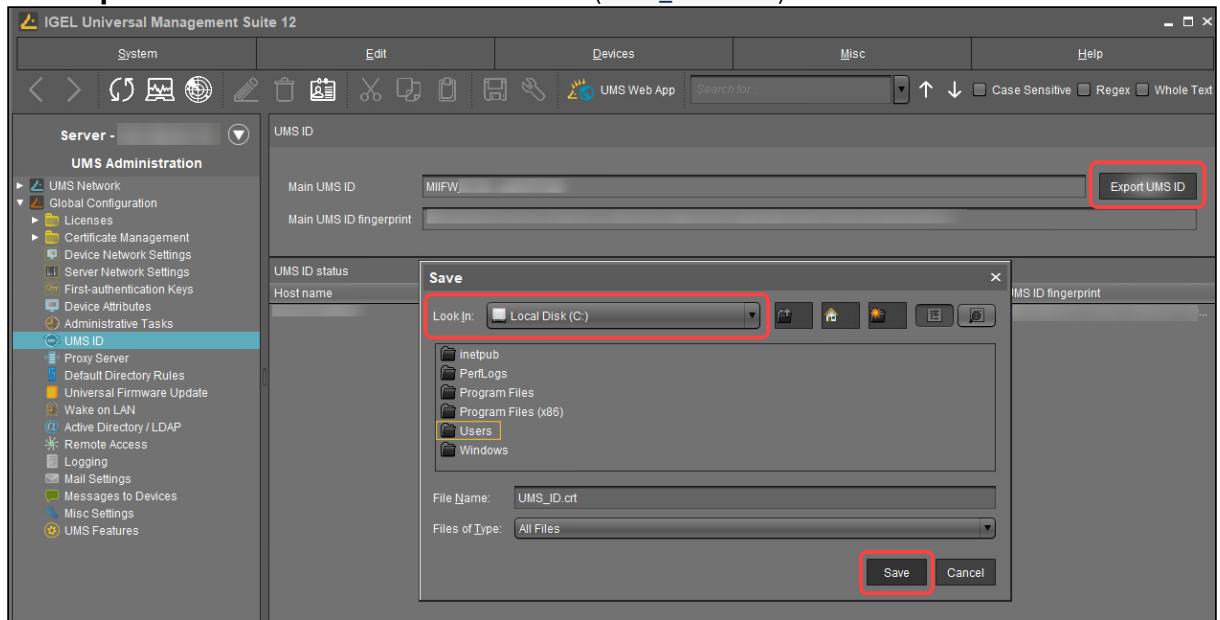
The name of the UMS ID is shown in the field labeled **Main UMS ID**.

2. If you want to keep the name, copy the text or note it down for later use. Alternatively, you can use any other name later in the IGEL License Portal.





3. Click **Export UMS ID** and save the certificate file (**UMS_ID.crt**) for later use.





Registering Your UMS ID

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>¹². If you have not registered yet, you must register first.
Your dashboard is shown.

2. Select **UMS ID**.

A screenshot of the IGEL License Portal dashboard. The user's email address is at the top left. Below it is a vertical navigation menu with the following items:

- Home
- Orders
- UMS ID** (this item is highlighted with a red box)
- Search hardware
- Multi-licensed hardware
- Subscription Keys
- Product Packs
- Archived packs
- IGEL Knowledge Base

The page **UMS ID** is shown.

3. Click **Register UMS ID**.

A screenshot of the "Register UMS ID" dialog box. It has a light gray background and contains the following text:

UMS ID
Formerly "UMS License ID"

At the bottom of the dialog are three buttons: "Search UMS ID", "X", and "Register UMS ID". The "Register UMS ID" button is highlighted with a red box.

The dialog **Register UMS ID** opens.

¹² <https://activation.igel.com/>



4. Under **UMS ID Name**, enter a name for the UMS ID.

Register UMS ID

UMS ID Name *

Upload

Choose or drag & drop a UMS ID to be uploaded.

Drag & Drop

5. Upload the certificate file you have exported in the UMS (see [Obtaining Your UMS ID\(see page 65\)](#)) and click **OK**.



Register UMS ID x

UMS ID Name * UMS Department 1

Upload

Choose or drag & drop a UMS ID to be uploaded.

Drag & Drop Upload

OK Cancel



Register UMS ID

UMS ID Name *

UMS Department 1

Upload

Choose or drag & drop a UMS ID to be uploaded.

Drag & Drop Upload

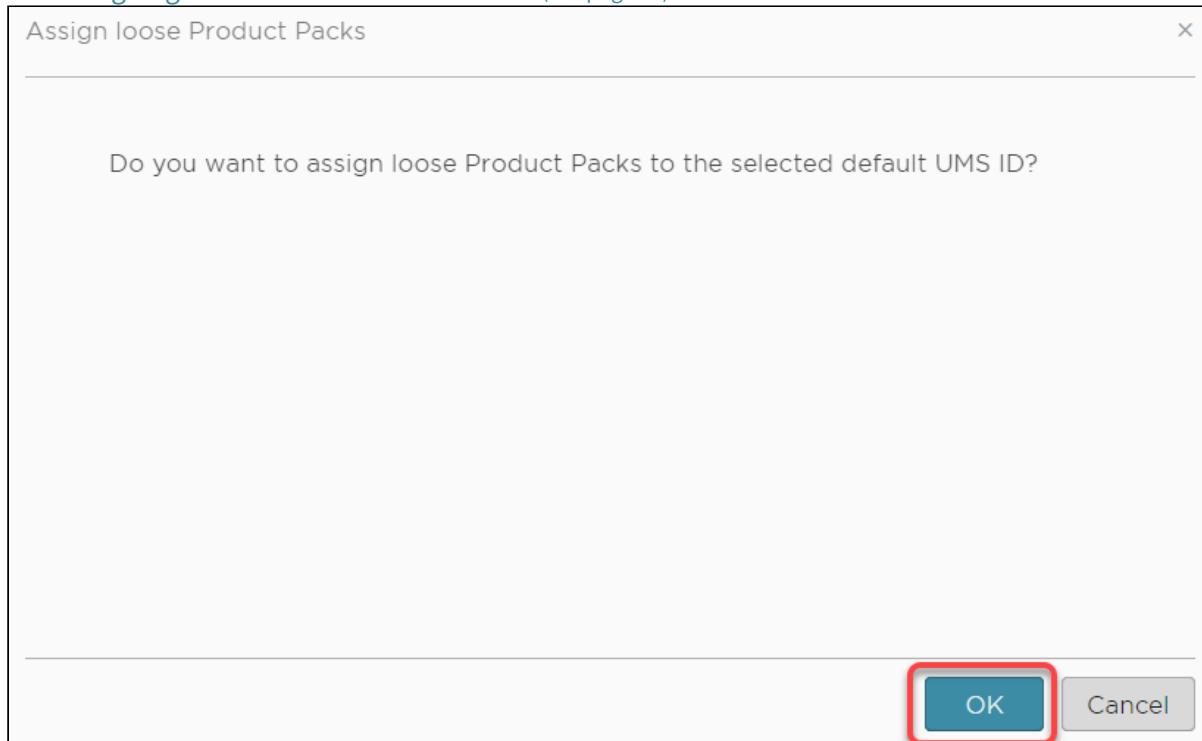
UMSLicensingID

OK Cancel

The UMS ID is registered. If this is the first UMS ID you registered, or if you just defined it as the default UMS ID, the dialog **Assign loose Product Packs** is shown.



6. If the dialog **Assign loose Product Packs** is shown, click **OK** to assign Product Packs and continue with [Assigning a Product Pack to the UMS ID\(see page 72\)](#).





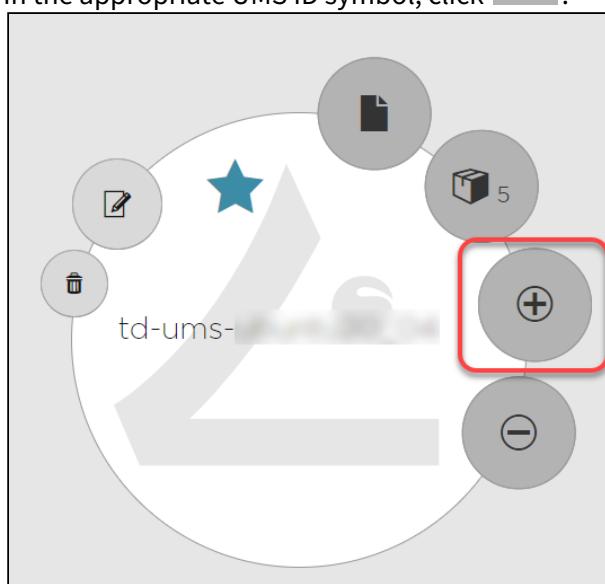
Assigning a Product Pack to the UMS ID

1. If you are not already on the **UMS ID** page, select **UMS ID**. Otherwise, go to step 2(see page 72).

A screenshot of a web application's sidebar menu. At the top is a user profile icon with the email address "r@igel.com". Below it is a list of links: Home, Orders, UMS ID (which is highlighted with a red box), Search hardware, Multi-licensed hardware, Subscription Keys, Product Packs, Archived packs, and IGEL Knowledge Base.

On the **UMS ID** page, your registered UMS IDs are shown.

2. In the appropriate UMS ID symbol, click .





3. Select the Product Packs to which you want to assign the UMS ID and click **OK**.

Assign Product Packs

To assign Product Packs to the UMS ID, select them and click OK.

	Product	Product Pack ID	Subscription Key	Volume	Status	Action
<input type="checkbox"/>	TER	TER-I [REDACTED]	TER-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	AWD	AWD-[REDACTED]		3/10	ACTIVATED	
<input checked="" type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	2/4	ACTIVATED	
<input type="checkbox"/>	EMP	EMP-I [REDACTED]	EMP-[REDACTED]	0/1	NEW	
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	TER	TER-[REDACTED]	TER-[REDACTED]	2/5	ACTIVATED	
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	AWD	AWD-[REDACTED]		0/10	ACTIVATED	

The "WE" row is selected and highlighted with a red border. At the bottom right of the dialog are two buttons: "OK" (highlighted with a red box) and "Cancel".

The Product Packs are assigned to the UMS ID. The licenses contained in this Product Pack are immediately available to the UMS.



To review the licenses that are available to the UMS, go to **UMS Administration > Global Configuration > Licenses > Deployment** and click .



Preventing User Intervention

If you want to ensure that the licensing process cannot be canceled by the user, proceed as follows:

1. Create a UMS profile in which **Setup > System > Remote management > Prompt user on UMS actions** is deactivated.
The profile must be based on exactly the same firmware version that is installed on the devices.
For further information about profiles, see the manual chapters Profiles and Creating Profiles.
2. Assign the profile to the directory view or directory that contains the devices to which the licenses are to be deployed.

If the license deployment has been successful, you can remove the profile.



Configuring the Distribution Conditions

Overview

You can configure the distribution conditions per Product Pack. This allows you, for instance, to distribute licenses from an Enterprise Management Pack (EMP) only to devices that are located in a specific directory of the UMS structure tree.

The following distribution conditions are possible:

- [Distributing Licenses to All Devices](#)(see page 76)
- [Distributing Licenses to Devices in a Specified Directory](#)(see page 77)
- [Distributing Licenses to Devices in a Specified View](#)(see page 82)

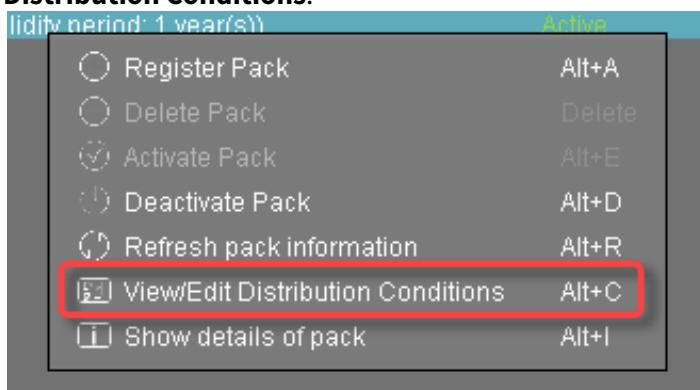
Distributing Licenses to All Devices

With Workspace Edition (WE) Product Packs, the distribution of licenses to all unlicensed devices is set by default.

With all other Product Pack types, the distribution of licenses is set to conditional by default.

To distribute the licenses of a Product Pack to all devices:

1. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit Distribution Conditions**.



2. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled

If the **Automatic Distribution Method** is Enabled, a device will get a Licence automatically:

Enabled (with conditions)

Enabled

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE!] Device will get license if it is inside following folder(s):

[NOT ACTIVE!] Device will get license if is in scope of following view(s):

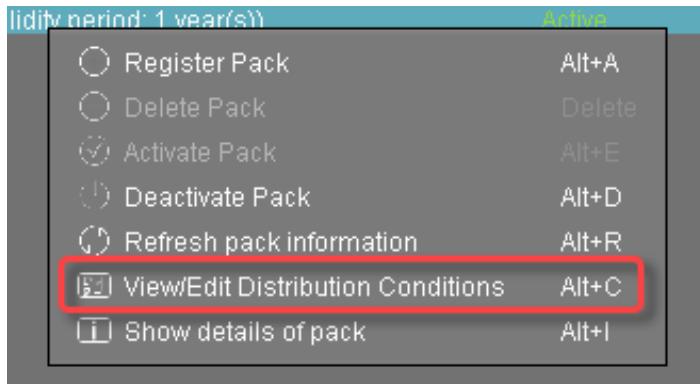
Save Cancel

3. Click **Save**.

The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).

Distributing Licenses to Devices in a Specified Directory

1. Create a directory and put the devices that require licenses in it.
2. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit**

Distribution Conditions.

3. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled (with conditions)**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: **Enabled** (highlighted)

If the **Automatic Distribution Method** is **Enabled (with conditions)**, a device will get a Licence automatically:

- It is in one (or more) of the following **folders**.

- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Save Cancel

4. Click the  symbol as shown below:



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled (with conditions)

If the **Automatic Distribution Method** is set to "Enabled (with conditions)" a device will get a Licence automatically if **any** of the following conditions is met:

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

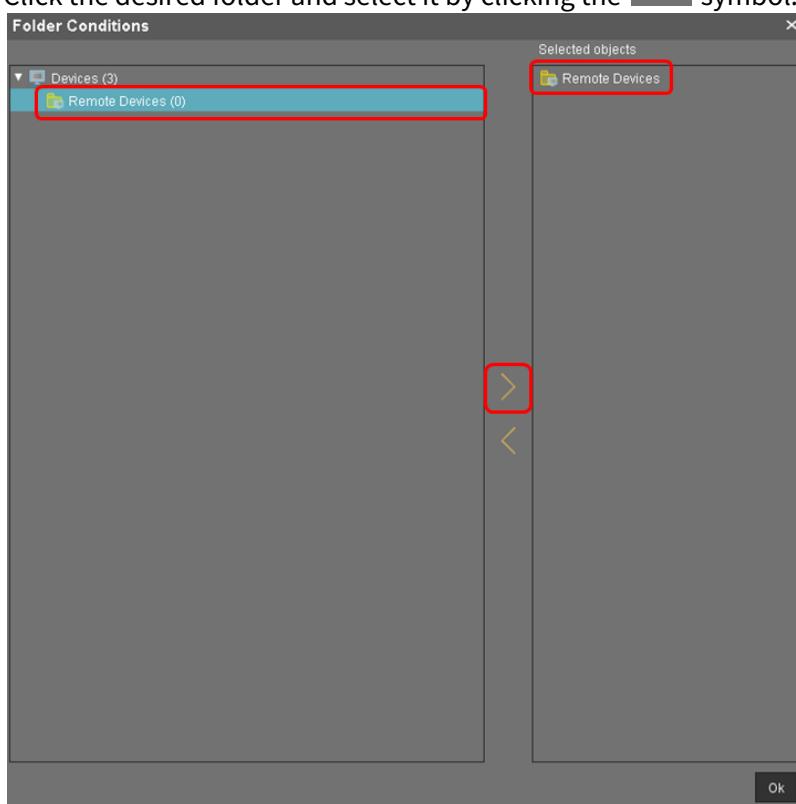
Device will get license if it is inside following folder(s):

Device will get license if is in scope of following view(s):

Save **Cancel**



5. Click the desired folder and select it by clicking the symbol.

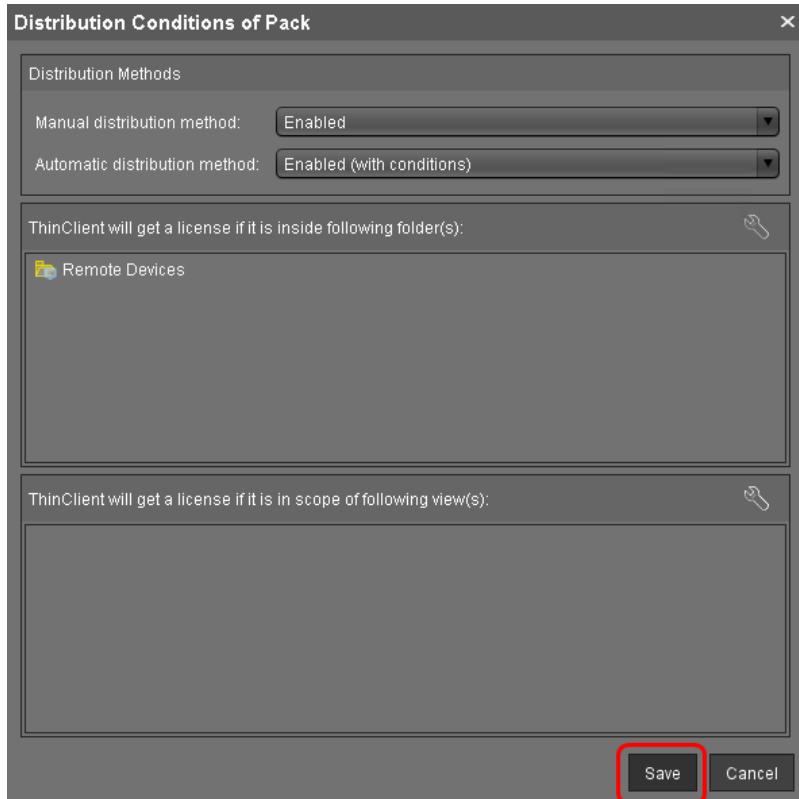


6. Click **Ok**.

The configured distribution condition is shown.



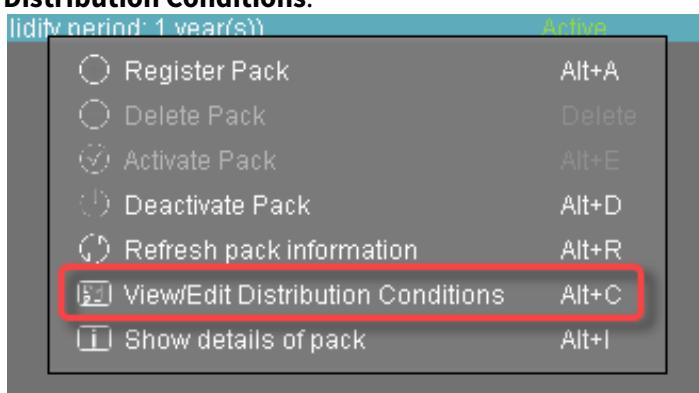
7. Click **Save**.



The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).

Distributing Licenses to Devices in a Specified View

1. Create a view that collects the devices that require a license.
2. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit Distribution Conditions**.



3. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled (with conditions)**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: **Enabled** (highlighted)

If the **Automatic Distribution Method** is **Enabled (with conditions)**, a device will get a Licence automatically.

- It is in one (or more) of the following **folders**.

- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Save **Cancel**



4. Click the symbol as shown below:

Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled (with conditions)

If the **Automatic Distribution Method** is set to "Enabled (with conditions)" a device will get a Licence automatically if **any** of the following conditions is met:

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

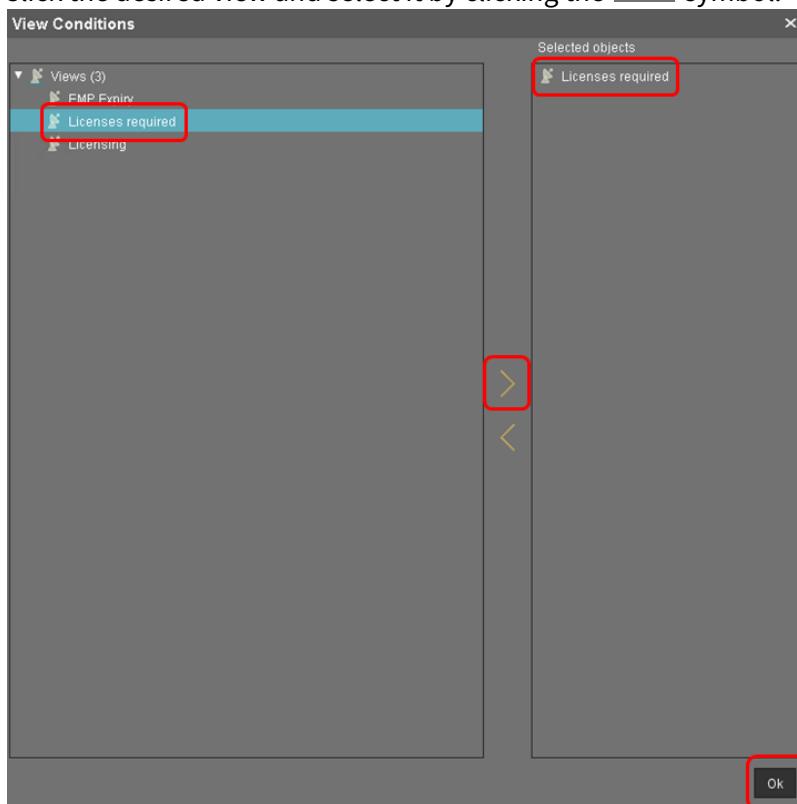
Device will get license if it is inside following folder(s):

Device will get license if is in scope of following view(s):

Save **Cancel**



5. Click the desired view and select it by clicking the symbol.



6. Click **Ok**.

The configured distribution condition is shown.

7. Click **Save**.

Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled

If the **Automatic Distribution Method** is set to "**Enabled (with conditions)**" a device will get a Licence automatically if **any** of the following conditions is met:

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Licenses required

Save **Cancel**

The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).



Enabling Automatic License Deployment

Setting the UMS to Deploy Licenses Automatically

1. Ensure that the distribution conditions are set according to your needs; see [Configuring the Distribution Conditions](#)(see page 76).
2. Go to **UMS Administration > Licenses > Deployment** and ensure that **Enable automatic deployment** is activated.

The UMS periodically looks for registered devices without a valid license. If the UMS finds an unlicensed device that meets the distribution conditions, it requests a license from the licensing server. When requesting a license, the UMS sends the device's unit ID to the licensing server. Each license is bound to the unit ID of a device.

The licensing server issues the licenses and sends them to the UMS. The UMS stores the licenses and adds a download link to the device settings.

Afterwards, the UMS sends the current settings to the devices. When the devices have received their settings, they download their licenses from the UMS and reboot. After the reboot, the devices have all licensed features.

If a device cannot be reached by the UMS while attempting to send the new settings, it will not receive the new license immediately; for further information, see [Intervals for Automatic License Deployment](#)(see page 90). You have the possibility to trigger the license deployment manually; see [Starting the License Assignment Manually](#)(see page 92).

Adding New Devices

If the UMS is configured to deploy licenses automatically, newly registered devices will receive licenses according to the distribution conditions.

To add new devices:



1. Click to scan for devices.
2. Select the IP range, or list of ranges, to be scanned.

In the **Found devices** dialog, all devices within the defined IP range are listed.



3. Click **Select New Ones** if you want to register all new devices, or activate the appropriate entries in the **Include** column.

Found devices

58 Devices were found. Filter

Certificat...	Unit ID	MAC Address	Name	IP Address	Product	Include
Yes	000BCA055018	00:0B:CA:05:50:18	ITC000BCA0550...	172.30.91.87	IGEL OS 11 UD2-LX 40	<input checked="" type="checkbox"/>
No	0050569321B1	00:50:56:93:21:B1	DokuW10bl	172.30.91.165	IGEL Unified Management...	<input checked="" type="checkbox"/>
No	0050569371A5	00:50:56:93:71:A5	ITC0050569371A5	172.30.91.107	OS 3 UC1-LX acps	<input checked="" type="checkbox"/>
Yes	005056AA5602	00:50:56:AA:56:02	IGEL-005056AA5...	172.30.91.149	UMS Test UDV-X20 LX	<input type="checkbox"/>
Yes	005056AD2A89	00:50:56:AD:2A:89	PM-MH-WIN7-UMB	172.30.91.143	IGEL Unified Management...	<input type="checkbox"/>
No	00E0C5080935	00:E0:C5:08:09:35	ITGGEABVMW73...	172.30.91.174	IGEL OS 11 UD2-LX 50	<input checked="" type="checkbox"/>
Yes	00E0C51143A5	00:E0:C5:11:43:A5	ITC00E0C51143...	172.30.91.236	LX UD3-LX No valid licen...	<input type="checkbox"/>
No	00E0C515658C	00:E0:C5:15:65:8C	ITC00E0C51BD2...	172.30.91.47	IGEL OS 11 UD7-LX 10	<input checked="" type="checkbox"/>
No	00E0C51847F8	00:E0:C5:18:47:F8	ITC00E0C51847...	172.30.91.46	LX UD3-LX 51acps	<input checked="" type="checkbox"/>
No	00E0C519528F	00:E0:C5:19:52:8F	DESKTOP-M84Q...	172.30.91.42	W10 UD3-W10 51c	<input checked="" type="checkbox"/>
No	00E0C51A22FE	00:E0:C5:1A:22:FE	ITC00E0C51A22...	172.30.91.187	IGEL License Master Clie...	<input checked="" type="checkbox"/>
No	00E0C51A4388	00:E0:C5:1A:43:88	ITC00E0C51A43...	172.30.91.134	W10 UD6-W10 51c	<input checked="" type="checkbox"/>
No	00E0C51A43D9	00:E0:C5:1A:43:D9	ITC00E0C51A43...	172.30.91.124	IGEL License Master Clie...	<input checked="" type="checkbox"/>
No	00E0C51A638A	00:E0:C5:1A:63:8A	ITGGEABTCLX30...	172.30.91.51	LX UD6-LX 51acps	<input checked="" type="checkbox"/>
No	00E0C51A723B	00:E0:C5:1A:72:3B	ITC00E0C51A72...	172.30.91.31	LX UD6-LX 51acps	<input checked="" type="checkbox"/>
Yes	00E0C51A7CF6	00:E0:C5:1A:7C:F6	SOLARIS	172.30.91.98	LX UD6-LX 51acps	<input type="checkbox"/>
No	00E0C51BBF0F	00:E0:C5:1B:8F:0F	ITGGEABTCLX40...	172.30.91.3	LX UD6-LX 51	<input checked="" type="checkbox"/>
No	00E0C51BC84F	00:E0:C5:1B:C8:4F	ITC00E0C51BC8...	172.30.91.168	LX UD7-LX 10acps	<input checked="" type="checkbox"/>
Yes	00E0C51BCA2D	00:E0:C5:1B:CA:2D	ITC00E0C51BCA...	172.30.91.17	LX UD6-LX 51acps	<input type="checkbox"/>
No	00E0C51BD274	00:E0:C5:1B:D2:74	ITC00E0C51BD2...	172.30.91.235	W10 UD7-W10 10c	<input checked="" type="checkbox"/>
Yes	00E0C51BD27C	00:E0:C5:1B:D2:...	MAINCLIENTAH	172.30.91.183	LX UD7-LX 10ac	<input type="checkbox"/>
Yes	00E0C51BD299	00:E0:C5:1B:D2:99	ITG-PL-UD7	172.30.91.218	LX UD7-LX 10ac	<input type="checkbox"/>
No	00E0C51BD2C0	00:E0:C5:1B:D2:...	ITC00E0C51BD2...	172.30.91.74	LX UD7-LX 10ac	<input checked="" type="checkbox"/>
Yes	00E0C51BE05A	00:E0:C5:1B:E0:5A	ITGGEABTCLX40...	172.30.91.75	LX UD6-LX 51	<input type="checkbox"/>
Yes	00E0C51C0282	00:E0:C5:1C:02:82	ITC00E0C51C02...	172.30.91.193	LX UD7-LX 10acps	<input type="checkbox"/>
Yes	00E0C51C4084	00:E0:C5:1C:40:84	ITC00E0C51C40...	172.30.91.161	IGEL OS 11 UD6-LX 51	<input type="checkbox"/>
No	00E0C51C4E20	00:E0:C5:1C:4E:20	ITC00E0C51C4E...	172.30.91.28	W10 UD7-W10 10c	<input checked="" type="checkbox"/>

Buttons: Rescan, Invert Selection, **Select New Ones**, Export Unit ID list

Put in directory: /Devices/

Ok Cancel



4. If you have specified a directory as a distribution condition, activate **Put in directory** and select the appropriate directory.

Found devices

58 Devices were found. Filter

Certificat...	Unit ID	MAC Address	Name	IP Address	Product	Include
Yes	000BCA055018	00:0B:CA:05:50:18	ITC000BCA0550...	172.30.91.87	IGEL OS 11 UD2-LX 40	<input checked="" type="checkbox"/>
No	0050569321B1	00:50:56:93:21:B1	DokuW10bl	172.30.91.165	IGEL Unified Management...	<input checked="" type="checkbox"/>
No	0050569371A5	00:50:56:93:71:A5	ITC0050569371A5	172.30.91.107	OS 3 UC1-LX acps	<input checked="" type="checkbox"/>
Yes	005056AA5602	00:50:56:AA:56:02	IGEL-005056AA5...	172.30.91.49	UMS Test UDV-X20 LX	<input type="checkbox"/>
Yes	005056AD2A89	00:50:56:AD:2A:89	PM-MH-WIN7-UMB	172.30.91.143	IGEL Unified Management...	<input type="checkbox"/>
No	00E0C5080935	00:E0:C5:08:09:35	ITGGEABVMW73...	172.30.91.174	IGEL OS 11 UD2-LX 50	<input checked="" type="checkbox"/>
Yes	00E0C51143A5	00:E0:C5:11:43:A5	ITC00E0C51143...	172.30.91.236	LX UD3-LX No valid licen...	<input type="checkbox"/>
No	00E0C515658C	00:E0:C5:15:65:8C	ITC00E0C51BD2...	172.30.91.47	IGEL OS 11 UD7-LX 10	<input checked="" type="checkbox"/>
No	00E0C51847F8	00:E0:C5:18:47:F8	ITC00E0C51847...	172.30.91.46	LX UD3-LX 51acps	<input checked="" type="checkbox"/>
No	00E0C519528F	00:E0:C5:19:52:8F	DESKTOP-M84Q...	172.30.91.42	W10 UD3-W10 51c	<input checked="" type="checkbox"/>
No	00E0C51A22FE	00:E0:C5:1A:22:FE	ITC00E0C51A22...	172.30.91.187	IGEL License Master Clie...	<input checked="" type="checkbox"/>
No	00E0C51A4388	00:E0:C5:1A:43:88	ITC00E0C51A43...	172.30.91.134	W10 UD6-W10 51c	<input checked="" type="checkbox"/>
No	00E0C51A43D9	00:E0:C5:1A:43:D9	ITC00E0C51A43...	172.30.91.124	IGEL License Master Clie...	<input checked="" type="checkbox"/>
No	00E0C51A638A	00:E0:C5:1A:63:8A	ITGGEABTCLX30...	172.30.91.51	LX UD6-LX 51acps	<input checked="" type="checkbox"/>
No	00E0C51A723B	00:E0:C5:1A:72:3B	ITC00E0C51A72...	172.30.91.31	LX UD6-LX 51acps	<input type="checkbox"/>
Yes	00E0C51A7CF6	00:E0:C5:1A:7C:F6	SOLARIS	172.30.91.98	LX UD6-LX 51acps	<input type="checkbox"/>
No	00E0C51B8F0F	00:E0:C5:1B:8F:0F	ITGGEABTCLX40...	172.30.91.3	LX UD6-LX 51	<input checked="" type="checkbox"/>
No	00E0C51BC84F	00:E0:C5:1B:C8:4F	ITC00E0C51BC8...	172.30.91.168	LX UD7-LX 10acps	<input type="checkbox"/>
Yes	00E0C51BCA2D	00:E0:C5:1B:CA:2D	ITC00E0C51BCA...	172.30.91.17	LX UD6-LX 51acps	<input type="checkbox"/>
No	00E0C51BD274	00:E0:C5:1B:D2:74	ITC00E0C51BD2...	172.30.91.235	W10 UD7-W10 10c	<input checked="" type="checkbox"/>
Yes	00E0C51BD27C	00:E0:C5:1B:D2:7C	MAINCLIENTAH	172.30.91.183	LX UD7-LX 10ac	<input type="checkbox"/>
Yes	00E0C51BD299	00:E0:C5:1B:D2:99	ITG-PL-UD7	172.30.91.218	LX UD7-LX 10ac	<input type="checkbox"/>
No	00E0C51BD2C0	00:E0:C5:1B:D2:...	ITC00E0C51BD2...	172.30.91.74	LX UD7-LX 10ac	<input checked="" type="checkbox"/>
Yes	00E0C51BE05A	00:E0:C5:1B:E0:5A	ITGGEABTCLX40...	172.30.91.75	LX UD6-LX 51	<input type="checkbox"/>
Yes	00E0C51C0282	00:E0:C5:1C:02:82	ITC00E0C51C02...	172.30.91.193	LX UD7-LX 10acps	<input type="checkbox"/>
Yes	00E0C51C4084	00:E0:C5:1C:40:84	ITC00E0C51C40...	172.30.91.161	IGEL OS 11 UD6-LX 51	<input type="checkbox"/>
No	00E0C51C4E20	00:E0:C5:1C:4E:20	ITC00E0C51C4E...	172.30.91.28	W10 UD7-W10 10c	<input checked="" type="checkbox"/>

Rescan Invert Selection Select New Ones Export Unit ID list

Put in directory: /Devices/ ...

Ok Cancel

5. Click **Ok**.

6. Proceed with [Checking If the Licenses Have Been Deployed Successfully](#)(see page 91).



Intervals for Automatic License Deployment

In an Automatic License Deployment scenario, the intervals at which the UMS issues licenses to devices are as follows:

- 30 seconds for newly registered devices: When a new, unlicensed device that is selected for license distribution registers, the UMS will issue a license within 30 seconds after registration.
- 5 minutes after reboot: When a new, unlicensed device that is selected for license distribution reboots, the UMS will issue a license within 5 minutes after reboot.
- 24 hours for all registered devices: The UMS checks for unlicensed devices every 24 hours. If an unlicensed device is selected for license distribution, it will issue a license.

When the device has received a license, it will reboot. After this reboot, all licenses features will be available.



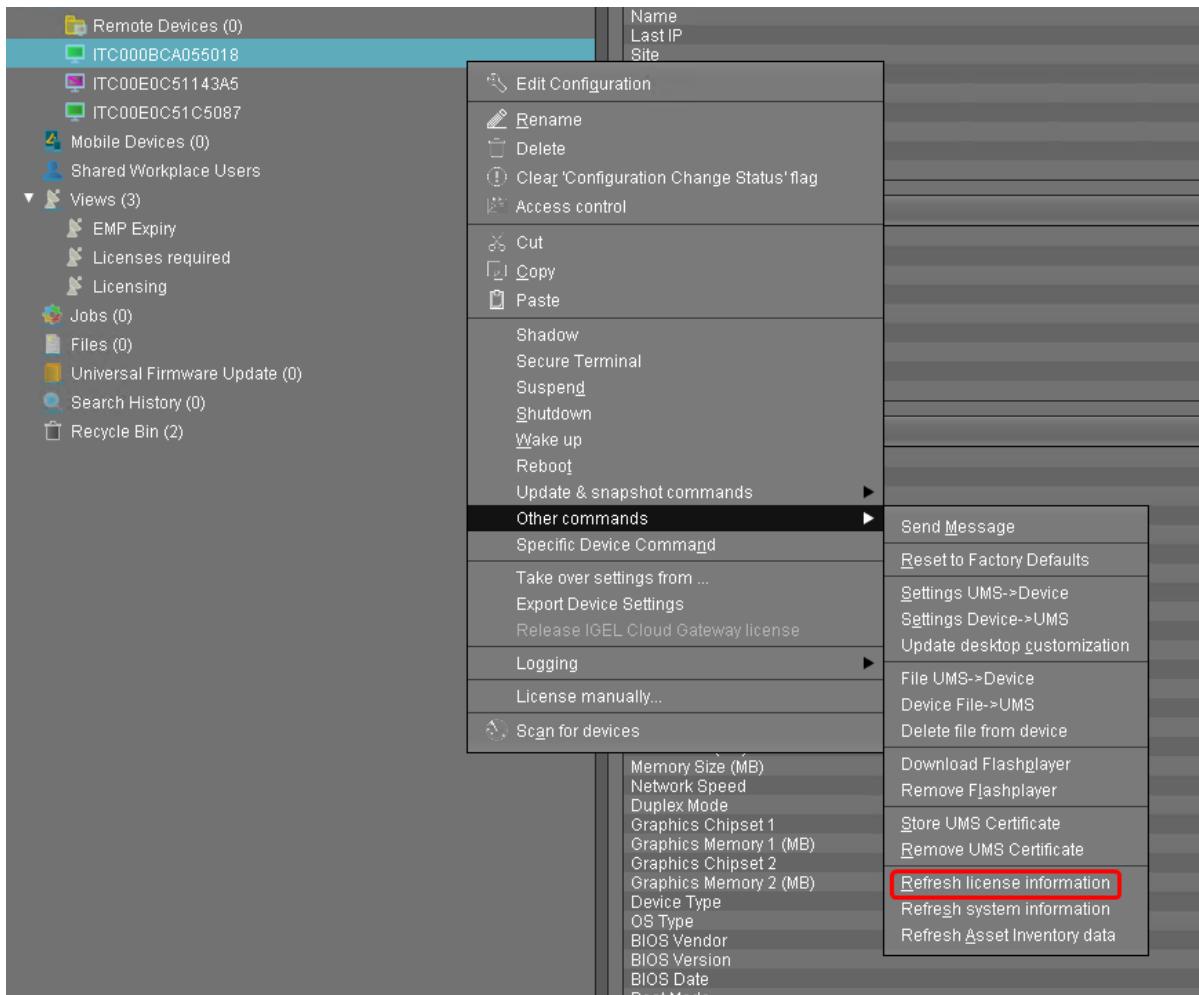
Checking If the Licenses Have Been Deployed Successfully

Quick Check

- Go to **Server - [...]** > **Thin Clients** and check if all devices have the icon . This icon signifies that the device is online and has a license.

Detailed Check

- To ensure that the licensing status is up-to-date, open the context menu on a device and select **Other commands > Refresh license information**.





Starting the License Assignment Manually

The UMS provides a wizard that you can use to trigger license assignment manually. This assignment method requires that free license slots of the appropriate type are available in the UMS. It gives you fine-grained control over when licenses are assigned. It also offers an alternative way of selecting the devices to which the licenses are to be assigned.

The method is appropriate for the following use cases:

- Ensuring that the licenses are assigned at a defined time
- Selecting single devices, in addition to selecting devices by directory

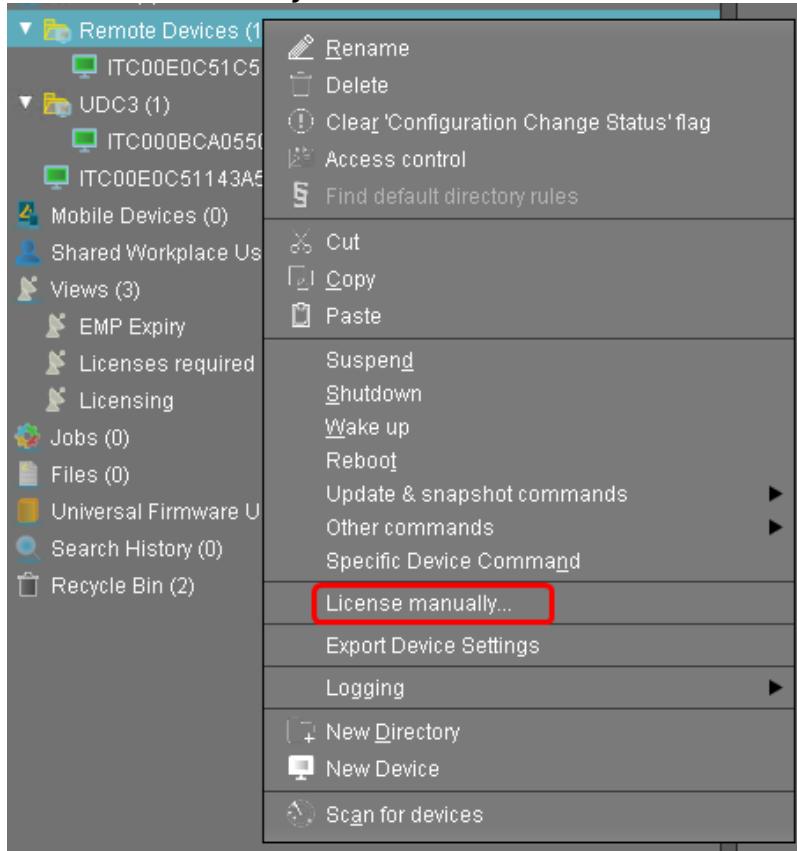
The following license types are supported:

- Workspace Edition (WE)
- Enterprise Management Pack (EMP)
- Software Maintenance

Typically, you put the devices in a directory and then start the license deployment wizard.

To deploy a license to a directory:

1. Open the UMS console, find the directory in the structure tree and, in the context menu, select **License manually....**



The Product Packs that contain compatible licenses and the devices to which licenses can be assigned are listed.



2. Select the desired Product Pack and click **Next**.

Manual license assignment

Select ALD pack for manual assignment

Compatible packs for device selection:

Product	Pack	Used/Total	Subscription status
Universal Desktop Converter	0316-8206-a3bb-125d-8bc2	0/2	Validity period: 1 year(s)

Preview of licensable devices:

Name	Unit ID
ITC000BCA055018	000BCA055018

1 of 1 devices licensable with selected pack.

Back Next Finish Cancel

3. Select the devices to which licenses are to be assigned and click **Next**.

Manual license assignment

Licensable devices:

Selected pack: EMP-R9HXH (EMP)

Subscription status: Expiration date: Jan 24, 2020

License contingent: 0 used, 10 total

Compatible devices:

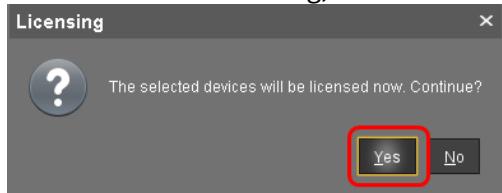
Selection	Name	UnitID	Expiry	Comment
<input checked="" type="checkbox"/>	ITC00E0C51C5087	00E0C51C5087		

Select all Select none Invert selection

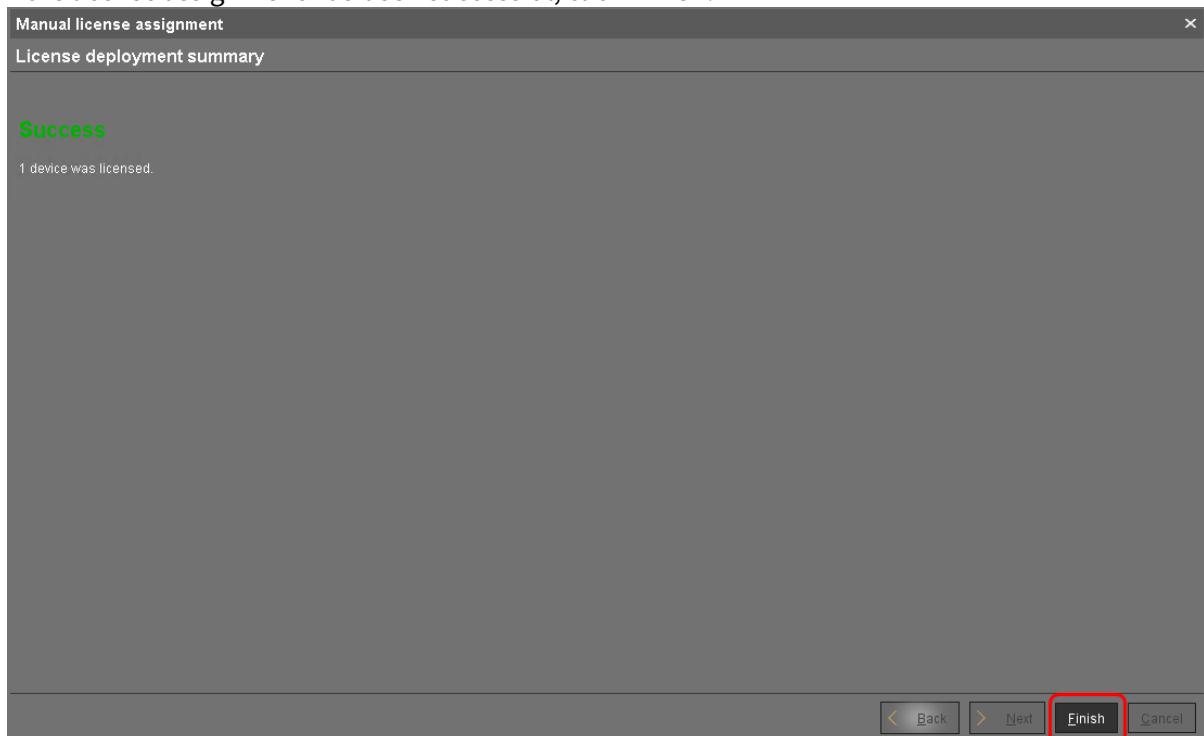
Back Next Finish Cancel



4. In the confirmation dialog, click **Yes**.



5. If the license assignment has been successful, click **Finish**.





Set up Automatic License Deployment (ALD) with ALD Token

Overview

Use this method if you want to deploy licenses for several companies with one single UMS. In this scenario, the fully automatized deployment as described under [Fully Automatic License Deployment with UMS ID\(see page 95\)](#) can not be applied. Make sure to associate the licenses with the directory for the relevant company; this is described under [Configuring the Distribution Conditions\(see page 76\)](#).

Prerequisites

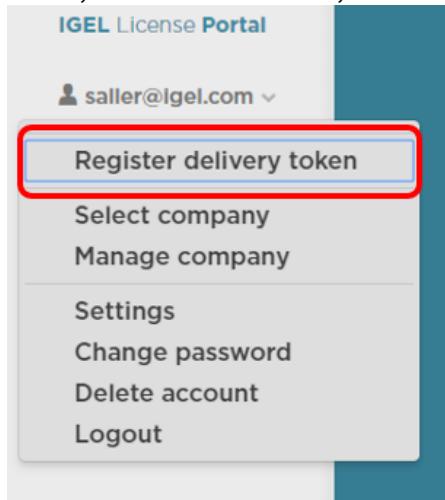
- UMS 6.01.100 or higher
- Network: For required ports, please refer to UMS Communication Ports.



Getting an ALD Token from the IGEL License Portal

When you have received the Delivery Token from your reseller, you are ready to get your ALD Token from the IGEL License Portal (ILP). With the ALD Token, you can deploy licenses to your devices automatically using the UMS.

1. Log in at the IGEL License Portal: <https://activation.igel.com>¹³. If you have not registered yet, you must register first.
Your dashboard is shown.
2. If your order has been delivered before 09/2021, select **Register Delivery Token**. If your order is newer, find it under **Orders**, select the details and continue with step 5(see page 97).



3. Enter the Delivery Token you received from your reseller.

A screenshot of a "Register delivery token" dialog box. It contains a text input field with the value "DLV-GBUC8" (which is highlighted with a red box) and a "send" button. Below the input field is a checkbox labeled "I have read and agree to the [licence terms](#) stated in the EULA." The checkbox is checked.

4. Confirm the EULA and click **Send**.

¹³ <https://activation.igel.com/>



Register delivery token

Please enter your delivery token.

I have read and agree to the [licence terms](#) stated in the EULA.

The page **Order Details** is shown. It contains one or more subscriptions which are identified by subscription keys.

5. Open the management dialog for the subscription key that contains the licenses you want to generate.

Order Details

Overview of order 9d454ef5-33e5-448f-8450-81b590588250

Delivery token:	Description:
DLV-WVDMZ	UD Pocket

Status:	On:	By user:
Consumed	2018-09-21	saller@igel.com

All types	Search packs	Filter by date				
Manage	Subscription Key	Status	Expiration date	Volume	Archived	Demo license
<input type="button" value="+"/>	UDP-PKSEB	NEW	NO END DATE YET	0/1		

The management dialog opens.



6. Click **Generate ALD Token.**

The screenshot shows the 'Subscription ID' field set to 'UDP-PKSEB' and the 'Activation key (legacy)' field set to '0916-5fc0-d21f-44fe-7c80'. The 'ALD Token' field is labeled 'NOT SET' and contains a 'Generate ALD Token' button, which is highlighted with a red box. Below these fields are sections for 'Hardware', 'Archive', and status indicators.

7. In the confirmation dialog, click **Yes.
The ALD Token is generated.**

8. Click to copy the ALD Token to your clipboard and store it for later use.

The screenshot shows the 'Subscription ID' field set to 'UDP-PKSEB' and the 'Activation key (legacy)' field set to '0916-5fc0-d21f-44fe-7c80'. The 'ALD Token' field contains the value 'e47e9f45-c408-4725-845d' and has a clipboard icon to its right, which is highlighted with a red box. Below these fields are sections for 'Hardware', 'Archive', and status indicators.

i Note on the **Delete ALD Token** button: When you click **Delete ALD Token**, your current token will become invalid and a new token will be generated. This function should be used in urgent cases only, e.g. if your token has been exposed.

9. Continue with [Setting up a Connection to the License Server](#)(see page 99).



Setting up a Connection to the License Server

Using a direct connection

1. Log in to the UMS console.
2. Go to **UMS Administration > Licenses > Deployment**.
3. Make sure that **Used proxy server** is empty. If not, click **Edit proxy configuration**, select **No proxy server** and then **Save**.
4. Click **Test connection** to check if the connection works.

A screenshot of the UMS Deployment settings page. The "Deployment" tab is selected. Under "Used proxy server", there is a text input field containing "itga-squidguard" with a "Edit proxy configuration" link next to it. Below the input field is a green button labeled "Connection test" which has a tooltip "Connection successfully tested. (http://172.30.249.150)". To the right of the "Connection test" button is another button labeled "Test connection".

Used proxy server	itga-squidguard	Edit proxy configuration
Connection test	Connection successfully tested. (http://172.30.249.150)	
	Test connection	

5. Continue with [Registering an ALD Token](#)(see page 100).

Using a proxy server

If you have already configured an appropriate proxy server:

1. Log in to the UMS console.
2. Go to **UMS Administration > Licenses > Deployment**.
3. Click **Edit proxy configuration** to check or change the proxy to be used for automatic license deployment.
4. Click **Test connection** to check if the connection works.

A screenshot of the UMS Deployment settings page. The "Deployment" tab is selected. Under "Used proxy server", there is a text input field containing "itga-squidguard" with a "Edit proxy configuration" link next to it. Below the input field is a green button labeled "Connection test" which has a tooltip "Connection successfully tested. (http://172.30.249.150)". To the right of the "Connection test" button is another button labeled "Test connection".

Used proxy server	itga-squidguard	Edit proxy configuration
Connection test	Connection successfully tested. (http://172.30.249.150)	
	Test connection	

5. Continue with [Registering an ALD Token](#)(see page 100).



Registering an ALD Token

1. Go to **UMS Administration > Licenses > Deployment**.

2. Click to add the ALD Token.

3. Enter your ALD Token and click **Register**.

A screenshot of the UMS Deployment interface. At the top, there's a header with 'Deployment' and a checked checkbox for 'Enable automatic deployment'. Below that is a section for 'Used proxy server' set to 'itga-squidguard' with a 'Test connection' button. A green bar indicates a 'Connection successfully tested' message. The main area shows 'Registered packs' with a table header: Pack ID, Product, Used licenses, Subscription status (expiration date/validity ...), Status, Manual Dist..., Automatic ..., and Autom. In the foreground, a modal dialog titled 'Register Pack' is open. It has a 'Token' field containing 'b9a70a67-5677-44af-af3c-02354d9784e8' which is highlighted with a red box. Below the token field are 'Register' and 'Cancel' buttons, with the 'Register' button also highlighted with a red box. At the bottom of the dialog, there's a table titled 'Executed actions' with columns for Time, Action, and Result. One entry is visible: 'Sep 5, 2019 1:28:10 PM Deploy Workspace Edition Add-o... PWT-JLCZW'. To the right of the dialog, the main table of registered packs is partially visible.

The UMS downloads the license information for the token from the license server. A success message is displayed.

4. Click to have a look at the license information.

The dialog **Details of Pack** shows the license information:



Details of Pack

Attribute	Value
Pack ID	EMP-P2009
Token	77e8148e-e18a-4897-96a6-e267d2b4386d
Registration date	Nov 29, 2019 12:21:31 PM
Product	Enterprise Management Pack
Activation Key	
Used licenses	0/1
Validity period	1 year(s)
Expiration Date	
Registration method	Manual
Status	Active
Demo license	
Manual Distribution	Enabled
Automatic Distribution	Enabled (with conditions)
Automatic Distribution Condition	No Conditions

Licensed hardware

Ok



Preventing User Intervention

If you want to ensure that the licensing process cannot be canceled by the user, proceed as follows:

1. Create a UMS profile in which **Setup > System > Remote management > Prompt user on UMS actions** is deactivated.
The profile must be based on exactly the same firmware version that is installed on the devices.
For further information about profiles, see the manual chapters Profiles and Creating Profiles.
2. Assign the profile to the directory view or directory that contains the devices to which the licenses are to be deployed.

After the licenses have been deployed successfully, you can remove the profile.



Configuring the Distribution Conditions

i Managed Service Providers with Several Companies and One Single UMS

If you want to deploy licenses for several clients/companies, make sure to specify the relevant directory so that the licenses will be deployed only to the devices of the desired company; see [Distributing Licenses to Devices in a Specified Directory](#)(see page 104).

Overview

You can configure the distribution conditions per Product Pack. This allows you, for instance, to distribute licenses from an Enterprise Management Pack (EMP) only to devices that are located in a specific directory of the UMS structure tree.

The following distribution conditions are possible:

- [Distributing Licenses to All Devices](#)(see page 103)
- [Distributing Licenses to Devices in a Specified Directory](#)(see page 104)
- [Distributing Licenses to Devices in a Specified View](#)(see page 109)

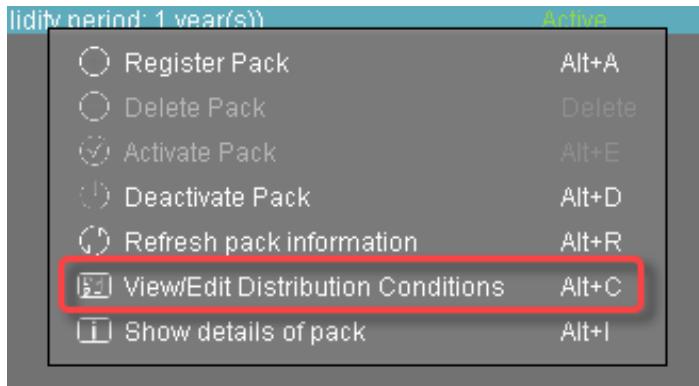
Distributing Licenses to All Devices

With Workspace Edition (WE) Product Packs, the distribution of licenses to all unlicensed devices is set by default.

With all other Product Pack types, the distribution of licenses is set to conditional by default.

To distribute the licenses of a Product Pack to all devices:

1. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit Distribution Conditions**.



2. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled

If the **Automatic Distribution Method** is Enabled, a device will get a Licence automatically:

- Enabled (with conditions)
- Enabled

- It is in one (or more) of the following **folders**.

[NOT ACTIVE!] Device will get license if it is inside following folder(s):

[NOT ACTIVE!] Device will get license if is in scope of following view(s):

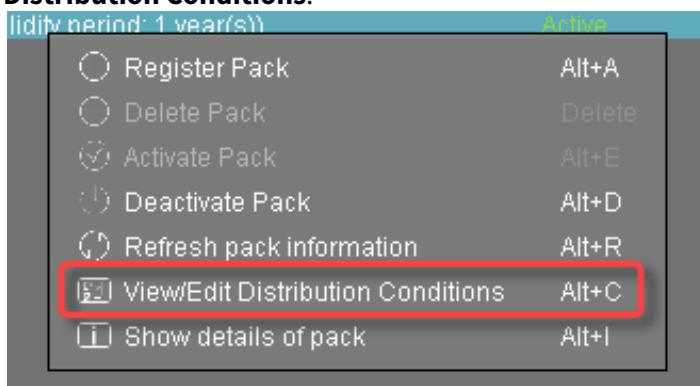
Save **Cancel**

3. Click **Save**.

The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).

Distributing Licenses to Devices in a Specified Directory

1. Create a directory and put the devices that require licenses in it.
2. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit**

Distribution Conditions.

3. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled (with conditions)**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: **Enabled** (highlighted)

If the **Automatic Distribution Method** is **Enabled (with conditions)**, a device will get a Licence automatically:

- It is in one (or more) of the following **folders**.

- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Save Cancel

4. Click the  symbol as shown below:



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled (with conditions)

If the **Automatic Distribution Method** is set to "Enabled (with conditions)" a device will get a Licence automatically if **any** of the following conditions is met:

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

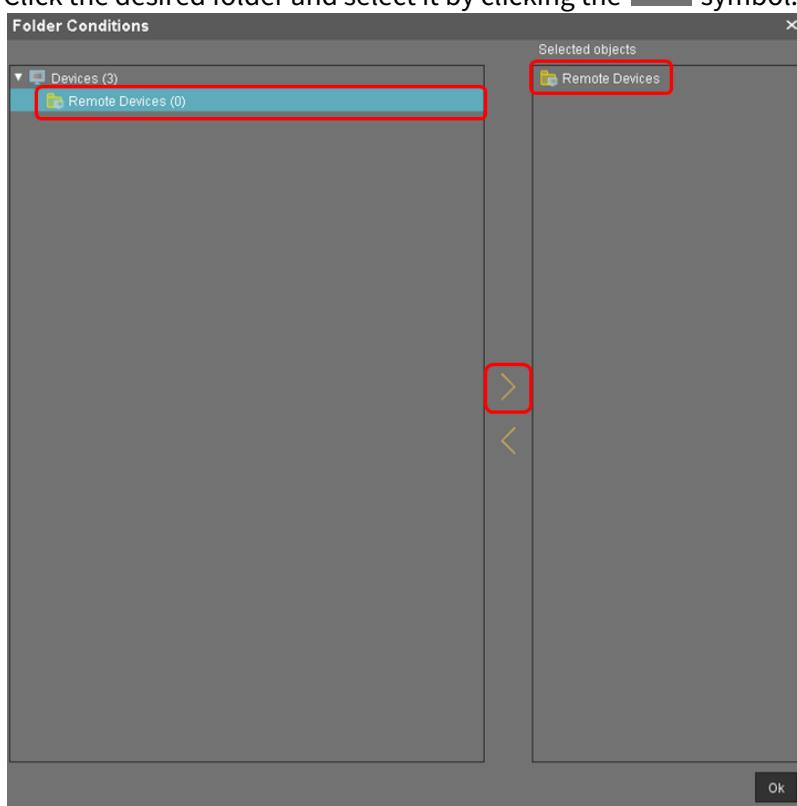
Device will get license if it is inside following folder(s):

Device will get license if is in scope of following view(s):

Save **Cancel**



5. Click the desired folder and select it by clicking the symbol.

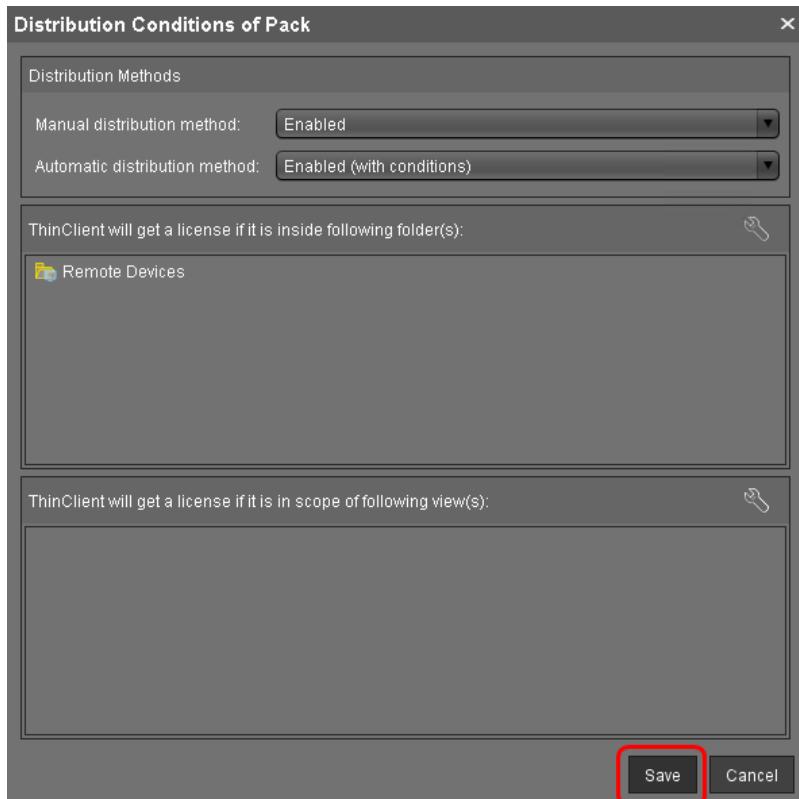


6. Click **Ok**.

The configured distribution condition is shown.



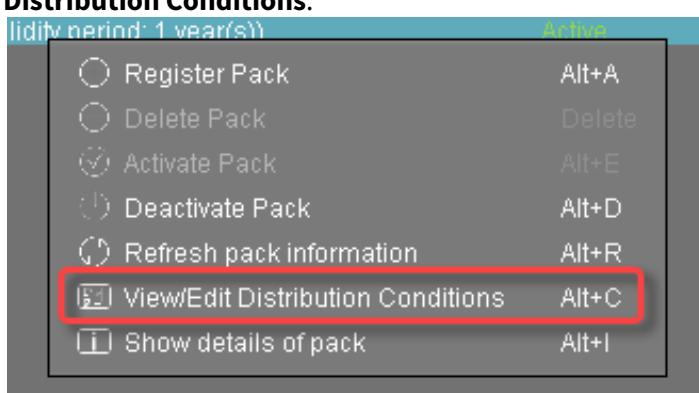
7. Click **Save**.



The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).

Distributing Licenses to Devices in a Specified View

1. Create a view that collects the devices that require a license.
2. In the area **UMS Administration > Global Configuration > Licenses > Deployment > Registered packs**, open the context menu of the Product Pack pack in question and select **View/Edit Distribution Conditions**.



3. In the **Distribution Conditions of Pack** dialog, set the **Automatic distribution method** to **Enabled (with conditions)**.



Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: **Enabled** (highlighted)

If the **Automatic Distribution Method** is **Enabled (with conditions)**, a device will get a Licence automatically:

- It is in one (or more) of the following **folders**.

- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Save Cancel



4. Click the  symbol as shown below:

Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled (with conditions)

If the **Automatic Distribution Method** is set to "Enabled (with conditions)" a device will get a Licence automatically if **any** of the following conditions is met:

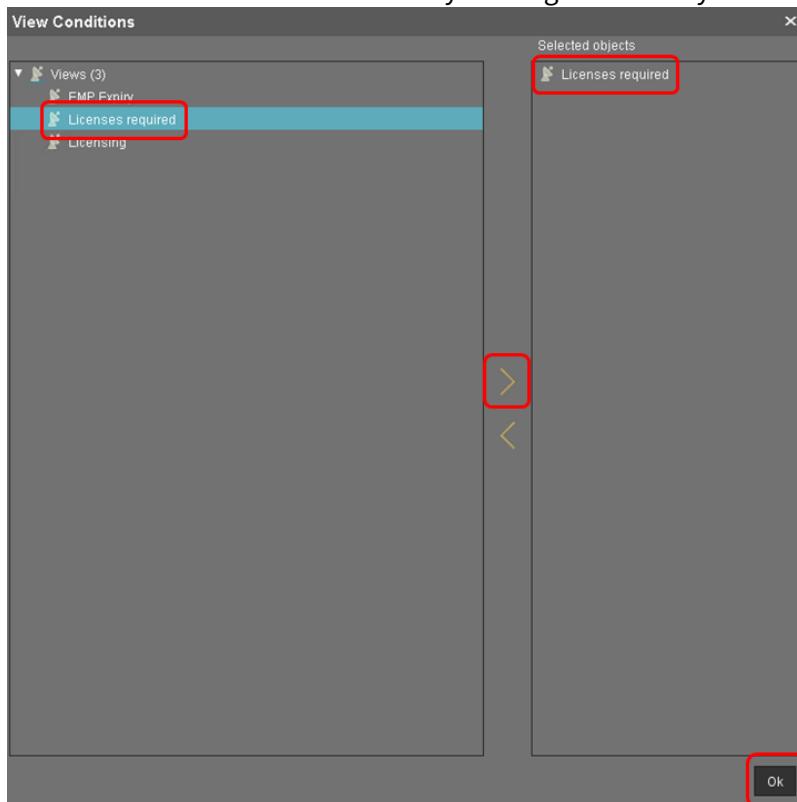
- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

Device will get license if it is inside following folder(s): 

Device will get license if is in scope of following view(s): 

Save **Cancel**

5. Click the desired view and select it by clicking the  symbol.



6. Click **Ok**.

The configured distribution condition is shown.



7. Click **Save**.

Distribution Conditions of Pack

Distribution Methods

Manual distribution method: Enabled

Automatic distribution method: Enabled

If the **Automatic Distribution Method** is set to "Enabled (with conditions)" a device will get a Licence automatically if **any** of the following conditions is met:

- It is in one (or more) of the following **folders**.
- It is in the scope of one (or more) of the following **views**.

[NOT ACTIVE] Device will get license if it is inside following folder(s):

[NOT ACTIVE] Device will get license if is in scope of following view(s):

Licenses required

Save **Cancel**

The licenses will be deployed; for details, please refer to [Intervals for Automatic License Deployment](#)(see page 90).

Next Step

- Start the deployment using the method that suits you best:
 - If the devices are not registered with the UMS yet, continue with [Enabling Automatic License Deployment for Unregistered Devices](#)(see page 114).
 - If the devices are already registered with the UMS yet, continue with [Starting Automatic License Deployment for Registered Devices](#)(see page 117).
 - If you want to deploy licenses to single devices manually, continue with [Starting License Assignment Manually](#)(see page 118).



Enabling Automatic License Deployment for Unregistered Devices

1. If you want to put the new devices into a new directory, go to **Server [...] > Devices** and create a new directory by selecting **New Directory** in the context menu.
2. Give the directory an appropriate name, e. g. "New devices".
3. If you want to ensure that the licensing process cannot be canceled by the user, create a profile in which **Setup > System > Remote management > Prompt user on UMS actions** is deactivated.

The profile must be based on exactly the same firmware version that is installed on the devices.

- For further information about profiles, see the manual chapters **Profile** and **Profile erstellen**.
4. If applicable, assign the profile to the new directory created in step 1.
 5. Go to **UMS Administration > Global Configuration > Licenses > Deployment** and activate **Enable automatic deployment**.
 6. Click to scan for devices.
 7. Select the thin devices you want to register with the UMS.
 8. Enable **Put in directory** and click to select the directory you created for the new devices.



Found devices

81 Devices were found. Filter

Certificat...	Unit ID	MAC Address	Name	IP address	Product	Include
No	00E0C51A638A	00:E0:C5:1A:63:8A	ITC00E0C51A63...	172.30.91.132	LX UD6-LX 51acps	<input type="checkbox"/>
Yes	00E0C51B17D5	00:E0:C5:1B:17:D5	ITC00E0C51B17...	172.30.91.20	IGEL OS 11 UD6-LX 51	<input type="checkbox"/>
No	00E0C51B8F0F	00:E0:C5:1B:8F:0F	ITGGEABTCLX40...	172.30.91.3	LX UD6-LX 51	<input type="checkbox"/>
Yes	00E0C51BCE03	00:E0:C5:1B:CE:03	ITC00E0C51BCE...	172.30.91.74	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51BD29D	00:E0:C5:1B:D2:9D	ITC00E0C51BD2...	172.30.91.27	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51BD2C0	00:E0:C5:1B:D2:C0	ITC00E0C51BD2...	172.30.91.9	LX UD7-LX 10ac	<input type="checkbox"/>
Yes	00E0C51BE05A	00:E0:C5:1B:E0:5A	ITGGEABTCLX40...	172.30.91.68	LX UD6-LX 51	<input type="checkbox"/>
Yes	00E0C51BE164	00:E0:C5:1B:E1:64	ITC00E0C51BE1...	172.30.91.254	LX UD6-LX 51	<input type="checkbox"/>
Yes	00E0C51BE190	00:E0:C5:1B:E1:90	ITC00E0C51BE1...	172.30.91.17	IGEL OS 11 UD6-LX 51	<input type="checkbox"/>
No	00E0C51C0282	00:E0:C5:1C:02:82	ITC00E0C51C02...	172.30.92.60	OS 3 UC2-LX acps	<input type="checkbox"/>
No	00E0C51C4CAC	00:E0:C5:1C:4C:CA	ITC00E0C51C4C...	172.30.91.81	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C4D8C	00:E0:C5:1C:4D:8C	MM_UD710AC	172.30.91.28	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51C4E89	00:E0:C5:1C:4E:89	ITC00E0C51C4E...	172.30.91.181	LX UD7-LX 10	<input type="checkbox"/>
No	00E0C51C5022	00:E0:C5:1C:50:22	ITC00E0C51C50...	172.30.91.249	LX UD7-LX 10ac	<input type="checkbox"/>
No	00E0C51C5087	00:E0:C5:1C:50:87	ITC00E0C51C50...	172.30.91.13	IGEL OS 11 UD7-LX 10	<input checked="" type="checkbox"/>
NU	00E0C51C507F	00:E0:C5:1C:50:7F	ITC00E0C51C50...	172.30.91.7	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51C572D	00:E0:C5:1C:57:2D	ITGGEABTCLX26...	172.30.91.108	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51C5774	00:E0:C5:1C:57:74	ITC00E0C51C57...	172.30.91.170	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C5971	00:E0:C5:1C:59:71	ITC00E0C51C59...	172.30.91.34	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C5B0B	00:E0:C5:1C:5B:0B	ITC00E0C51C5B...	172.30.91.168	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C6732	00:E0:C5:1C:67:32	ITC00E0C51C67...	172.30.91.218	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C67D8	00:E0:C5:1C:67:D8	ITGGEABTCLX19...	172.30.91.180	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C687C	00:E0:C5:1C:68:7C	ITC00E0C51C68...	172.30.91.147	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C68EC	00:E0:C5:1C:68:EC	ITC00E0C51C68...	172.30.91.237	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51C6934	00:E0:C5:1C:69:34	ITC00E0C51C69...	172.30.91.72	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
No	00E0C51C6B74	00:E0:C5:1C:6B:74	ITC00E0C51C6B...	172.30.91.97	IGEL OS 11 UD7-LX 10	<input type="checkbox"/>
Yes	00E0C51C9F05	00:E0:C5:1C:9F:05	ITC00E0C51C9F...	172.30.91.253	IGEL OS 11 UD6-LX 51	<input type="checkbox"/>

Rescan Insert Selection Select New Ones Export Unit ID list

Put in directory: /Devices/New devices/ ...

Ok Cancel

9. Click **Ok**.

The UMS orders a license from the licensing server. When ordering a license, the UMS sends the device's unit ID to the licensing server; each license is bound to the unit ID of a device.

The licensing server creates the licenses and sends them to the UMS. The UMS stores the licenses and adds a download link to the device settings.

Afterward, the UMS sends the current device settings to the devices. When the devices have received the settings, they download their license from the UMS and reboot.

Depending on the device setting **System > Remote management > Prompt user on UMS actions**, the user can cancel this process. After the reboot, the devices have all licensed features.

10. Look at the **Executed Actions** table to check which licenses have been created and registered with the UMS.

Executed actions				
Time	Action	Used Pack ID	Number of affected devices	Result
Nov 29, 2019 12:53:14 PM	Deploy Enterprise Management P...	EMP-P2009	1	Successful
Sep 5, 2019 1:28:10 PM	Deploy Workspace Edition Add-o...	PYVI-JLUZWW	1	Successful
Sep 3, 2019 2:31:36 PM	Deploy Workspace Edition Add-o...	TER-NUWLY	1	Successful



11. Proceed with [Checking if the Licenses Have Been Deployed Successfully](#)(see page 121).
If the license deployment has been successful, you can remove the profile that deactivates **Setup > System > Remote management > Prompt user on UMS actions**.



Starting Automatic License Deployment for Registered Devices

1. If you want to ensure that the licensing process cannot be canceled by the user, create a profile in which **System > Remote management > Prompt user on UMS actions** is deactivated.

For further information about profiles, see the manual chapters **Profile** and **Profile erstellen**.

i The profile must be based on exactly the same firmware version that is installed on the devices.

2. If applicable, assign the profile to the devices in question.
3. Go to **UMS Administration > Licenses > Deployment** and ensure that **Enable automatic license deployment** is activated.

Every 5 minutes, the UMS looks for registered devices without a valid license. If the UMS finds an unlicensed device, it orders a license from the licensing server. When ordering a license, the UMS sends the device's unit ID to the licensing server; each license is bound to the unit ID of a device. The licensing server creates the licenses and sends them to the UMS. The UMS stores the licenses and adds a download link to the device settings.

Afterward, the UMS sends the current settings to the devices. When the devices have received the settings, they download their licenses from the UMS and reboot. After the reboot, the devices have all licensed features.

i If a device cannot be reached by the UMS when it tries to send the new settings, it will not receive the new license immediately. But the device will handle this automatically by periodically asking the UMS if a license is available. If yes, it will get the current settings including the download link, download the license from the UMS, and reboot.

4. Proceed with [Checking if the Licenses Have Been Deployed Successfully](#)(see page 121).



Starting License Assignment Manually

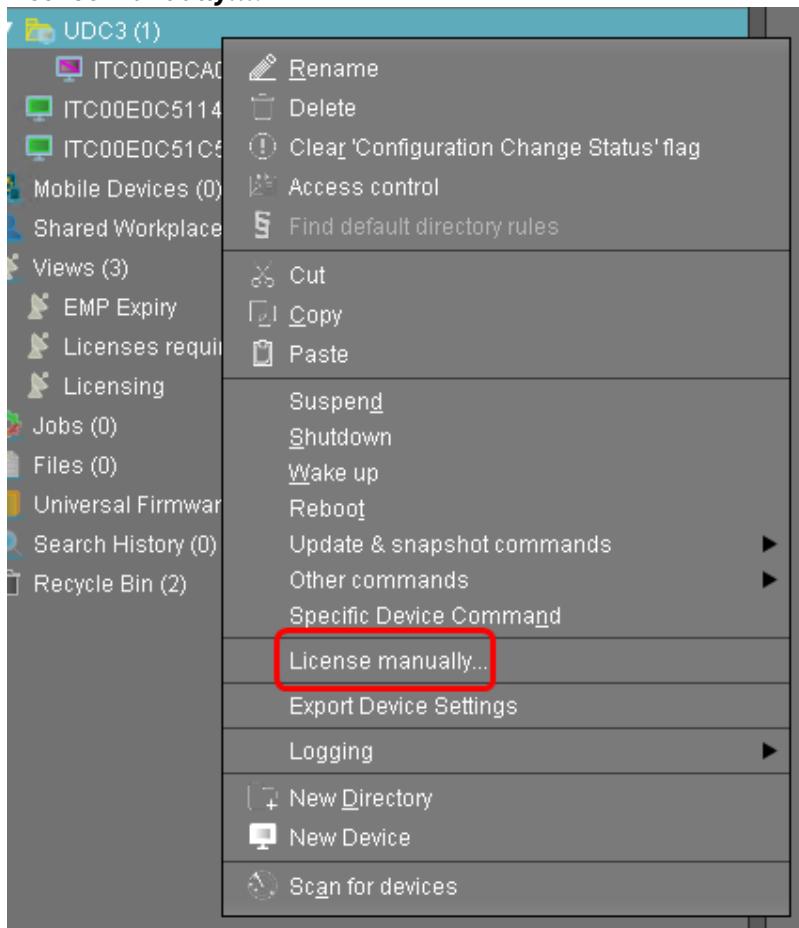
You can use a wizard to trigger license assignment manually. As a precondition, free licenses of the appropriate type must be available in the UMS. You can use this method to have an alternative means of selecting the devices to which the licenses are to be assigned.

This method enables you to ensure that the licenses are assigned at a defined time.

Typically, you put the devices in a directory and then start the license deployment wizard.

To deploy a license to a directory:

1. Open the UMS console, find the directory in the structure tree and, in the context menu, select **License manually....**



The Product Packs that contain compatible licenses and the devices to which licenses can be assigned are listed.



2. Select the desired Product Pack and click **Next**.

Manual license assignment

Select ALD pack for manual assignment

Compatible packs for device selection:

Product	Pack	Used/Total	Subscription status
Workspace Edition	WF-BBR7F	0/5	Validity period: 1 year(s)
Workspace Edition Add-on 90meter	90M-X9LPU	0/1	Validity period: 1 year(s)

Preview of licensable devices:

Name	Unit ID
ITC000BCA055018	000BCA055018

1 of 1 devices licensable with selected pack.

Back Next Finish Cancel

3. Select the devices to which licenses are to be assigned and click **Next**.

Manual license assignment

Licensable devices:

Selected pack: 90M-X9LPU (90M)

Subscription status: Validity period: 1 year(s)

License contingent: 0 used, 1 total

Compatible devices:

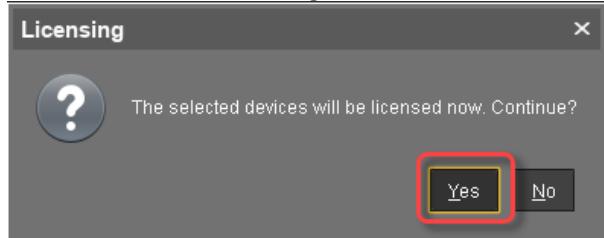
Selection	Name	Unit ID	Expiry	Comment
<input checked="" type="checkbox"/>	ITC000BCA055018	000BCA055018		

Select all Select none Invert selection

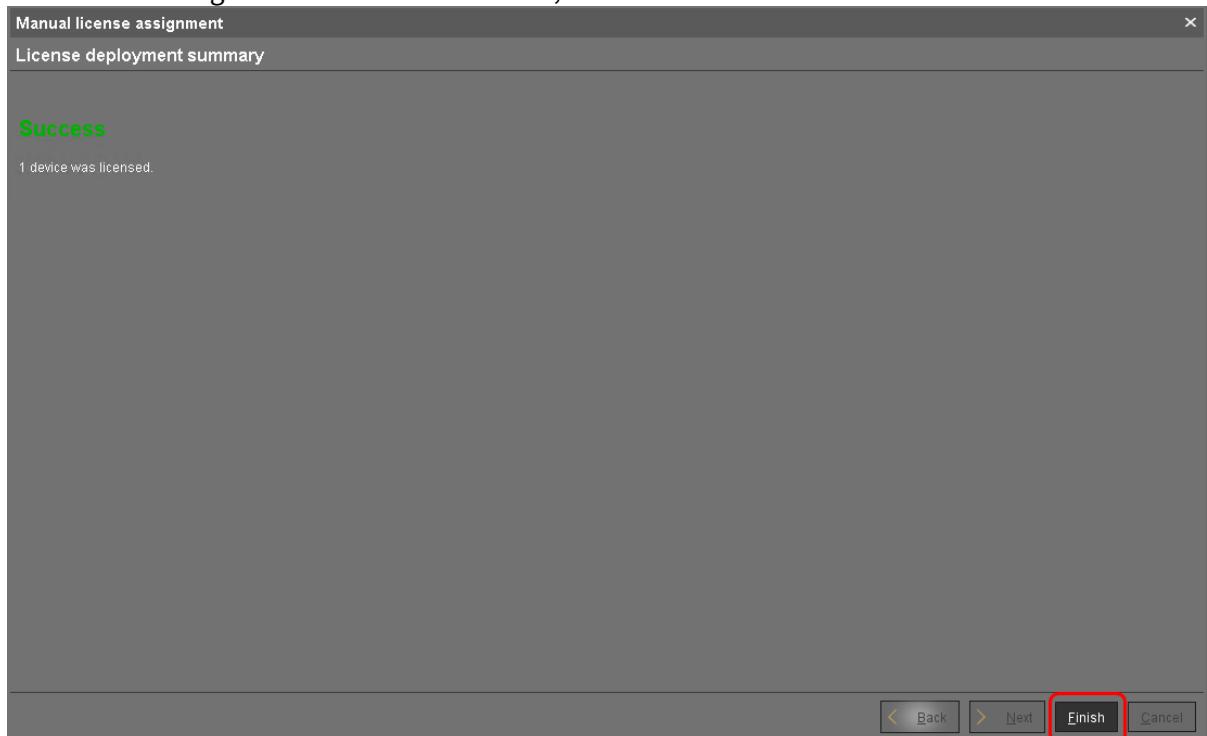
Back Next Finish Cancel



4. In the confirmation dialog, click **Yes**.



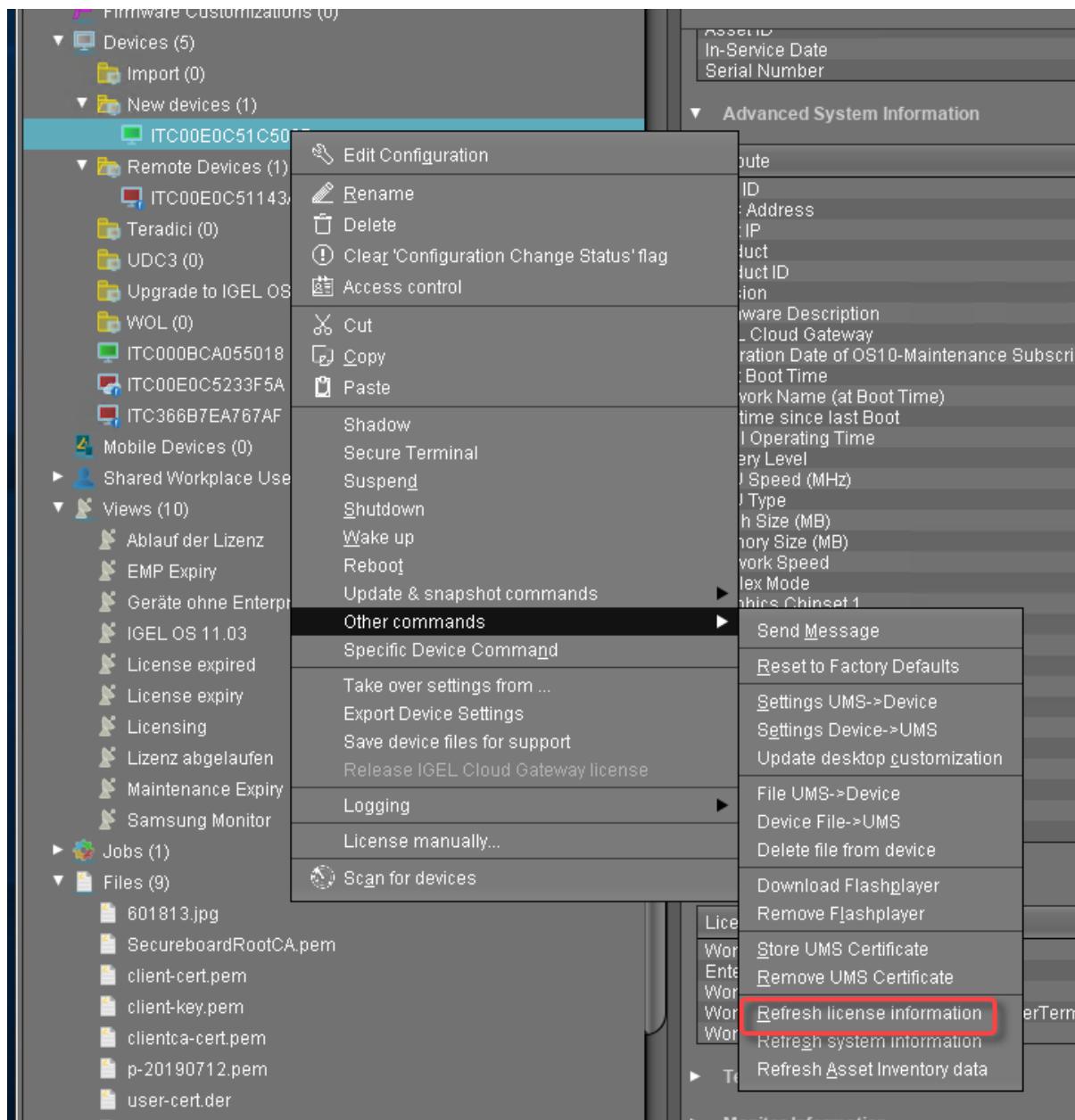
5. If the license assignment has been successful, click **Finish**.





Checking if the Licenses Have Been Deployed Successfully

- ▶ Go to **Server - [...]** > **Devices** and check if all devices have the icon . This icon signifies that the device is online and has a license.
- ▶ To ensure that the licensing status is up-to-date, open the context menu on a device and select **Other commands** > **Refresh license information**.





Managing Product Packs

Getting the Current License Usage and Other Details



1. Click to refresh the license information from the license server.
2. Select the desired Product Pack and click . Alternatively, you can use the context menu. The details for this Product Pack are shown.

Deleting a Product Pack

If you delete a Product Pack, it is no longer registered in the UMS and therefore can not be used for automatic license deployment any longer.



- Select a Product Pack and click to delete it from the UMS. Alternatively, you can use the context menu.

Deactivating a Product Pack

License Activation as of April 1st, 2021

With Product Packs that have been purchased since April the 1st of 2021, all licenses are activated at the date of invoice.

With Product Packs that have been purchased before April the 1st, 2021, all licenses are activated when the first license is assigned to a device.

If you deactivate a Product Pack, it is no longer available for license deployment. Its licenses will not be assigned to any devices.



- Select a Product Pack and click to deactivate it. Alternatively, you can use the context menu.

Activating a Product Pack

License Activation as of April 1st, 2021

With Product Packs that have been purchased since April the 1st of 2021, all licenses are activated at the date of invoice.

With Product Packs that have been purchased before April the 1st, 2021, all licenses are activated when the first license is assigned to a device.

You can activate a Product Pack that has been deactivated.

- Select a Product Pack and click to deactivate it. Alternatively, you can use the context menu.



Extending or Upgrading Licenses

To extend or upgrade an existing set of licenses, you receive a new Delivery Token from your reseller. The ALD Token that came with the original Delivery Token remains the same. The licensing server provides the extension or upgrade in the form of a mass license.

- ▶ Go to **UMS Administration > Licenses > Deployment** and click in the **Registered packs** table.

The UMS detects an extension or upgrade of a set of licenses as the Delivery Token associated with an ALD Token has changed.

The UMS fetches the mass license from the licensing server. The UMS stores this license and adds a download link to the device settings of each device that has a license relating to the token in question.

As soon as the thin clients receive new device settings, they download the mass license from the UMS and reboot. After the reboot, the devices have all licensed features.

To force immediate license deployment:

1. Go to **Server [...] > Devices** and select all devices whose licenses relates to the token in question.
2. Open the context menu on the selected thin clients and select **Other Thin Client commands > Settings UMS->TC**.



ITC00E		Attribute
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Remote Control <input checked="" type="checkbox"/> ITC00E <input checked="" type="checkbox"/> Teradici (0) <input checked="" type="checkbox"/> UDC3 (0) <input checked="" type="checkbox"/> Upgrade (0) <input checked="" type="checkbox"/> WOL (0) <input checked="" type="checkbox"/> ITC000BC <input checked="" type="checkbox"/> ITC00E0C <input checked="" type="checkbox"/> ITC366B7 <input checked="" type="checkbox"/> Mobile Device 	<input checked="" type="checkbox"/> Edit Configuration	
	<input checked="" type="checkbox"/> Rename	
	<input checked="" type="checkbox"/> Delete	
	<input checked="" type="checkbox"/> Clear 'Configuration Change Status' flag	
	<input checked="" type="checkbox"/> Access control	
	<input checked="" type="checkbox"/> Cut	
	<input checked="" type="checkbox"/> Copy	
	<input checked="" type="checkbox"/> Paste	
	<input checked="" type="checkbox"/> Shadow	
	<input checked="" type="checkbox"/> Secure Terminal	
<input checked="" type="checkbox"/> Suspend		
<input checked="" type="checkbox"/> Shutdown		
<input checked="" type="checkbox"/> Ablauf definieren		
<input checked="" type="checkbox"/> EMP Expire		
<input checked="" type="checkbox"/> Geräte ohne OS		
<input checked="" type="checkbox"/> IGEL OS		
<input checked="" type="checkbox"/> License entries		
<input checked="" type="checkbox"/> License entries		
<input checked="" type="checkbox"/> Licensing		
<input checked="" type="checkbox"/> Lizenz abfragen		
<input checked="" type="checkbox"/> Maintenance		
<input checked="" type="checkbox"/> Samsung		
<input checked="" type="checkbox"/> Jobs (1)		
<input checked="" type="checkbox"/> Files (9)		
	<input checked="" type="checkbox"/> Scan for devices	
	<input checked="" type="checkbox"/> 601813.jpg	
	<input checked="" type="checkbox"/> SecureboardRootCA.pem	
	<input checked="" type="checkbox"/> client-cert.pem	
	<input checked="" type="checkbox"/> client-key.pem	
	<input checked="" type="checkbox"/> clientca-cert.pem	
	<input checked="" type="checkbox"/> p-20190712.pem	
	<input checked="" type="checkbox"/> Edit Configuration	
	<input checked="" type="checkbox"/> Rename	
	<input checked="" type="checkbox"/> Delete	
	<input checked="" type="checkbox"/> Clear 'Configuration Change Status' flag	
	<input checked="" type="checkbox"/> Access control	
	<input checked="" type="checkbox"/> Cut	
	<input checked="" type="checkbox"/> Copy	
	<input checked="" type="checkbox"/> Paste	
	<input checked="" type="checkbox"/> Shadow	
	<input checked="" type="checkbox"/> Secure Terminal	
	<input checked="" type="checkbox"/> Suspend	
	<input checked="" type="checkbox"/> Shutdown	
	<input checked="" type="checkbox"/> Ablauf definieren	
	<input checked="" type="checkbox"/> EMP Expire	
	<input checked="" type="checkbox"/> Geräte ohne OS	
	<input checked="" type="checkbox"/> IGEL OS	
	<input checked="" type="checkbox"/> License entries	
	<input checked="" type="checkbox"/> License entries	
	<input checked="" type="checkbox"/> Licensing	
	<input checked="" type="checkbox"/> Lizenz abfragen	
	<input checked="" type="checkbox"/> Maintenance	
	<input checked="" type="checkbox"/> Samsung	
	<input checked="" type="checkbox"/> Jobs (1)	
	<input checked="" type="checkbox"/> Files (9)	
	<input checked="" type="checkbox"/> Scan for devices	
	<input checked="" type="checkbox"/> 601813.jpg	
	<input checked="" type="checkbox"/> SecureboardRootCA.pem	
	<input checked="" type="checkbox"/> client-cert.pem	
	<input checked="" type="checkbox"/> client-key.pem	
	<input checked="" type="checkbox"/> clientca-cert.pem	
	<input checked="" type="checkbox"/> p-20190712.pem	
	<input checked="" type="checkbox"/> Send Message	
	<input checked="" type="checkbox"/> Reset to Factory Defaults	
	<input checked="" type="checkbox"/> Settings UMS->Device	
	<input checked="" type="checkbox"/> Settings Device->UMS	
	<input checked="" type="checkbox"/> Update desktop customization	
	<input checked="" type="checkbox"/> File UMS->Device	
	<input checked="" type="checkbox"/> Device File->UMS	
	<input checked="" type="checkbox"/> Delete file from device	
	<input checked="" type="checkbox"/> Download Flashplayer	
	<input checked="" type="checkbox"/> Remove Flashplayer	
	<input checked="" type="checkbox"/> Store UMS Certificate	
	<input checked="" type="checkbox"/> Remove UMS Certificate	
	<input checked="" type="checkbox"/> Refresh license information	
	<input checked="" type="checkbox"/> Refresh system information	
	<input checked="" type="checkbox"/> Refresh Asset Inventory data	



Manual License Deployment for IGEL OS

- [Creating a Unit ID List for IGEL OS](#)(see page 126)
- [Getting the License File from the IGEL License Portal](#)(see page 127)
- [Deploying the License on the Device](#)(see page 132)



Creating a Unit ID List for IGEL OS

To issue IGEL OS licenses, a unit ID list (list of hardware identifiers) is needed. This list must be provided in CSV format.

When you have created the unit ID list, you can use it to get you license files from the IGEL License Portal; see [Getting the License File from the IGEL License Portal](#)(see page 127).

With UMS

To obtain a unit ID list from the UMS, proceed as follows:

1. In the UMS, go to **UMS Administration > Global Configuration > Licenses > Device's Licenses**.
2. Click **Export Unit ID list**.
3. In the **Export Unit ID list** wizard, select the filter that is appropriate for your purpose. If you need a more sophisticated selection, create an appropriate view, select **Export all Unit IDs from a view**, and then select the view you have created. For more information about views, see the Views section in the UMS manual.
4. Click **Next**.
A list of all devices that will be included in the list is shown.
5. Click **Export**.
6. Enter a file name and save the CSV file.

Without UMS

If you want to create a unit ID list using an alternative method, the CSV file must meet the following requirements:

- The entries representing the unit IDs must be separated by commas "," or semicolons ";".
- For IGEL devices or devices converted by IGEL OS Creator (OSC), the unit ID is identical to the device's MAC address. The colon ":" can be omitted. Example: `00E0C51C5087` or `00:E0:C5:1C:50:87`
- For UD Pockets, the unit IDs must be prefixed by a "#". Example: `#85641000D308482019`



Getting the License File from the IGEL License Portal

- ⓘ If your Product Pack has been purchased before September 3rd of 2021, you must redeem the Delivery Token first; see [Redeeming a Delivery Token \(Legacy\)](#)(see page 264).

1. In the IGEL License Portal (ILP), go to **Orders** and open the details for the order that contains your Product Pack.

A screenshot of the IGEL License Portal's navigation sidebar. The sidebar includes links for Home, Orders (which is highlighted with a red box), Co-Term/Renewal, UMS Licensing ID, Search hardware, Subscription Keys, Product Packs, Archived packs, and IGEL Knowledge Base.

Orders

All Orders registered to IGEL Technology

Details	Order time	Delivery Token	Order ID	Description	Order Status	Quote Id
⊕	2021-06-25	00-000000	00-000000	Test	Consumed	
⊕	2021-07-05	00-000000	00-000000	test	Consumed	
⊕	2021-07-01	00-000000	00-000000	Test	Consumed	
⊕	2021-09-02	00-000000	00-000000	Test	Consumed	

The order details are shown.



2. Open the management dialog for your Product Pack.

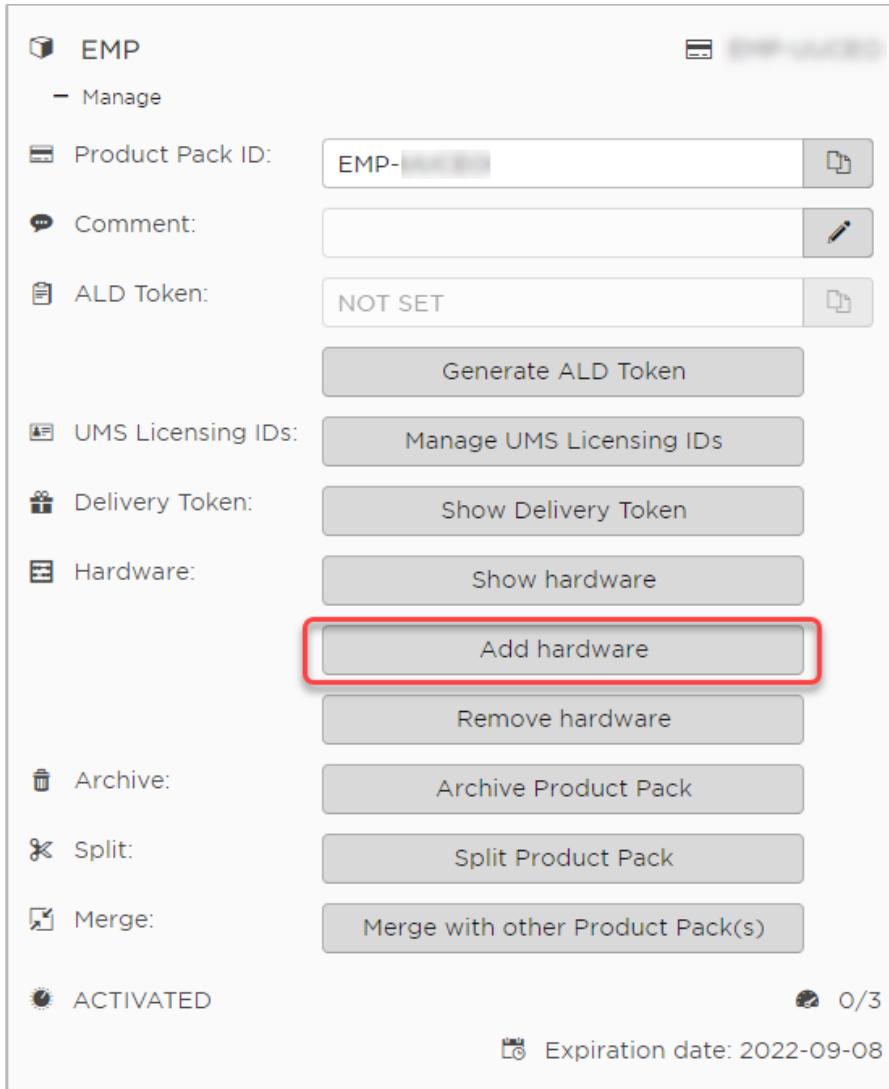
Delivery Token: Order time: Description:
[SUN-01770] 2021-09-02 Test
Status: On: By user:
Consumed 2021-09-02 [admin@igel.com]
Order ID
[2021-09-02-0001]

#1 EMP
1-YEARS
[View Details]

#1 EMP
1-YEARS
[View Details]
[Edit] Archived Demo
Product Status
EMP ACTIVATED
Volume Expiration Date
0/3 2022-09-08

The screenshot shows the IGEL COSMOS PAS software interface. At the top, there's a header with fields for Delivery Token, Order time, Description, Status, On, and By user. Below this is an 'Order ID' field. The main area displays a product pack named '#1 EMP' with a duration of '1-YEARS'. A 'View Details' button is shown below the product name. In the lower section, there's another product entry for '#1 EMP' with the same duration. This entry includes a red box around the 'Edit' button. To the left of the 'Edit' button are 'Archived' and 'Demo' status indicators, each with a red 'X' icon. Below these are two columns of data: 'Product' (EMP), 'Status' (ACTIVATED); and 'Volume' (0/3), 'Expiration Date' (2022-09-08).

3. Click **Add hardware**.



The screenshot shows the 'EMP' product pack details. It includes fields for Product Pack ID (EMP-[REDACTED]), Comment, ALD Token (NOT SET), and buttons for Generate ALD Token, Manage UMS Licensing IDs, Show Delivery Token, and Show hardware. A prominent red box highlights the 'Add hardware' button, which is located below the 'Show hardware' button. Other options shown include Remove hardware, Archive Product Pack, Split Product Pack, and Merge with other Product Pack(s). At the bottom left is an ACTIVATED status indicator with 0/3, and at the bottom right is an expiration date of 2022-09-08.

The dialog for adding hardware opens.

4. To add hardware, you have the following options:

- Upload the CSV containing the unit IDs via drag & drop
- Upload the CSV containing the unit IDs via the **Upload** button

 For more information on how to create a unit ID list, see [Creating a Unit ID List for IGEL OS](#)(see page 126).

- Click  to enter unit IDs manually



UDP-AAUOV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & drop

Add hardware

Select the hardware you want to add.

New hardware: (O/I)

Hardware Value	Hardware Type

The newly added hardware is displayed.

5. Click OK.

UDP-AAUOV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & drop

Add hardware

Select the hardware you want to add.

New hardware: (I/O)

Hardware Value	Hardware Type
85641000D308482019	FLASHSERIAL

The dialog for adding hardware is closed; your license file is ready for download.



6. Click **Download**.

The screenshot shows the Product Pack details page for 'EMP' with Product Pack ID 'EMP-12345'. The 'License file:' section is highlighted with a red box around the 'Download' button. Other visible buttons include 'Generate ALD Token', 'Manage UMS Licensing IDs', 'Show Delivery Token', 'Show hardware', 'Add hardware', 'Remove hardware', 'Archive Product Pack', 'Split Product Pack', and 'Merge with other Product Pack(s)'. Status indicators show 'ACTIVATED' and '1/3' expiration date '2022-09-08'.

7. Save the license file (*.lic) to a suitable location.



Deploying the License on the Device

Deploying the License via the UMS

1. Go to **UMS Administration > Global Configuration > Licenses > Device's Licenses**.
2. Click to open the **Select License Files** window.
3. Click to open a file chooser and select a license file.
4. Click **Open** in the file chooser.
5. Click **OK** in the **Select License Files** window.

The new license will show up in the licenses list. After a few minutes, the UMS will deploy the license on the device with the appropriate unit ID. When the device has received the license, it will restart. After the restart, the device is fully functional.

Deploying the License without UMS

Using USB Memory Stick and the Rescue Shell (Physical Access Required)

You can deploy the license file locally from a USB memory stick. Choose this method when you cannot use the licensing tool (see [Using the Licensing Tool](#)(see page 133)).

1. Boot your device and press [Esc] during the boot sequence.
The IGEL boot menu is displayed.
2. Select **Verbose boot** and press the return key.
At the end of the boot process, you are prompted to press a key combination to enter the rescue shell.
3. Insert your USB storage device and press [Ctrl-Alt-F11].
4. Press the return key.
5. Enter the command `dmesg` to determine the device name of the USB memory stick. The relevant information should be in the last few lines.

Example output:

```
[...]
[391.214049] sd 6:0:0:0: [sdc] Write Protect is off
[391.214052] sd 6:0:0:0: [sdc] Mode Sense: 43 00 00 00
[391.216412] sd 6:0:0:0: [sdc] Write cache: disabled, read cache: enabled,
doesn't support DPO or FUA
[391.243732] sd 6:0:0:0: [sdc]: sdc1
[391.247429] sd 6:0:0:0: [sdc]: Attached SCSI removable disk
```

In this example, the device name is `sdc1`, and the device path is `/dev/sdc1`

6. Create a directory to which the USB memory stick will be mounted:
`mkdir /tmp/disklic`
7. Mount your USB memory stick to the directory:
`mount /dev/sdc1 /tmp/disklic`
8. Remount the directory that contains the license files as follows to make it writeable:
`mount -o remount,rw /license`
9. If your device has a license request file and old license files, you can remove these with the following commands:
`rm /license/fetch*`
`rm /license/dsa/licenses/*.lic`
10. Copy the new license file to the license directory:
`cp /tmp/disklic/[LICENSE FILE NAME].lic /license/dsa/licenses/`



11. Set the access rights of the license directory to its read-only default:

```
mount -o remount,ro /license
```

12. Reboot the device:

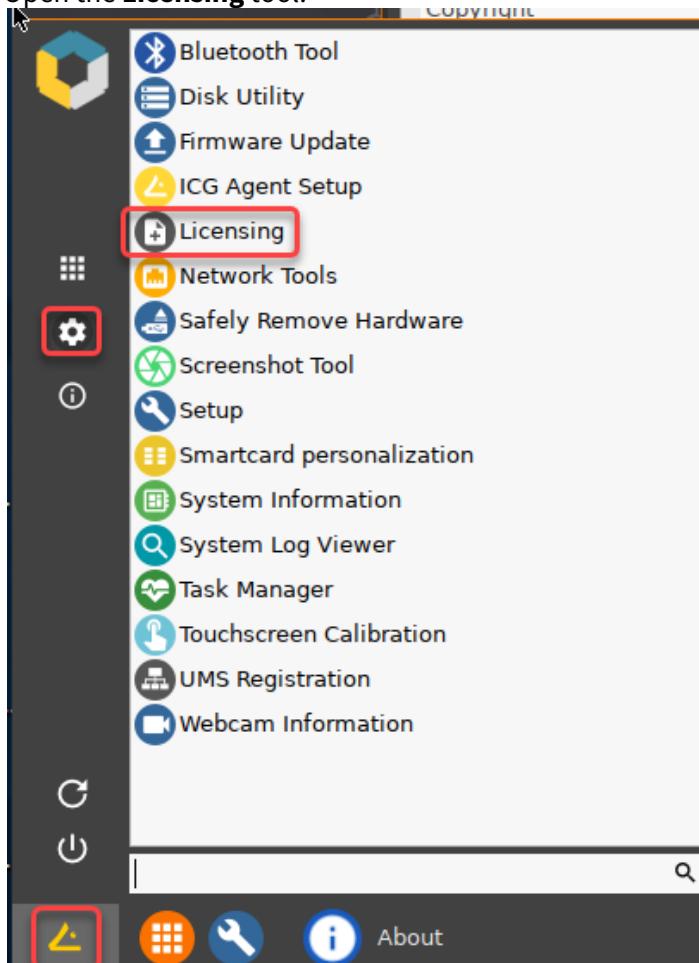
```
reboot
```

After the reboot, the license is in effect.

Using the Licensing Tool (Access via GUI Required)

With the licensing tool, you can fetch the licensing file via HTTPS download from a specific URL, via FTP, or from a USB memory stick.

1. Open the **Licensing** tool.



2. Follow the instructions under Activate Your IGEL OS, section "Manual License Deployment".



Manual License Deployment for IGEL OS without UMS

The method described here is a quick and easy way to deploy a license on a single device which has not yet been configured by the UMS. First, you get your license file from a Product Pack. Then, you use the device's Setup Assistant to deploy it on the device either via HTTP download, FTP, or from a USB memory stick.

Getting the License File from the IGEL Licensing Portal

- i** If your Product Pack has been purchased before September 3rd of 2021, you must redeem the Delivery Token first; see [Redeeming a Delivery Token \(Legacy\)](#)(see page 264).

1. In the IGEL License Portal (ILP), go to **Orders** and open the details for the order that contains your Product Pack.

A screenshot of the IGEL License Portal interface. At the top, there is a header with the IGEL logo and a user profile icon. Below the header is a navigation menu with the following items: Home, Orders (which is highlighted with a red box), Co-Term/Renewal, UMS Licensing ID, Search hardware, Subscription Keys, Product Packs, Archived packs, and IGEL Knowledge Base.

A screenshot of the 'Orders' page in the IGEL License Portal. The page title is 'Orders' and it says 'All Orders registered to IGEL Technology'. There is a search bar, a date filter, and a 'Register Delivery Token' button. Below the header is a table with columns: Details, Order time, Delivery Token, Order ID, Description, Order Status, and Quote id. Four rows of data are shown, each with a small red box around the 'Details' column. The data is as follows:

Details	Order time	Delivery Token	Order ID	Description	Order Status	Quote id
⊕	2021-06-25	00-00000000	00-00000000	Test	Consumed	
⊕	2021-07-05	00-00000000	00-00000000	test	Consumed	
⊕	2021-07-01	00-00000000	00-00000000	Test	Consumed	
⊕	2021-09-02	00-00000000	00-00000000	Test	Consumed	

The order details are shown.



2. Open the management dialog for your Product Pack.

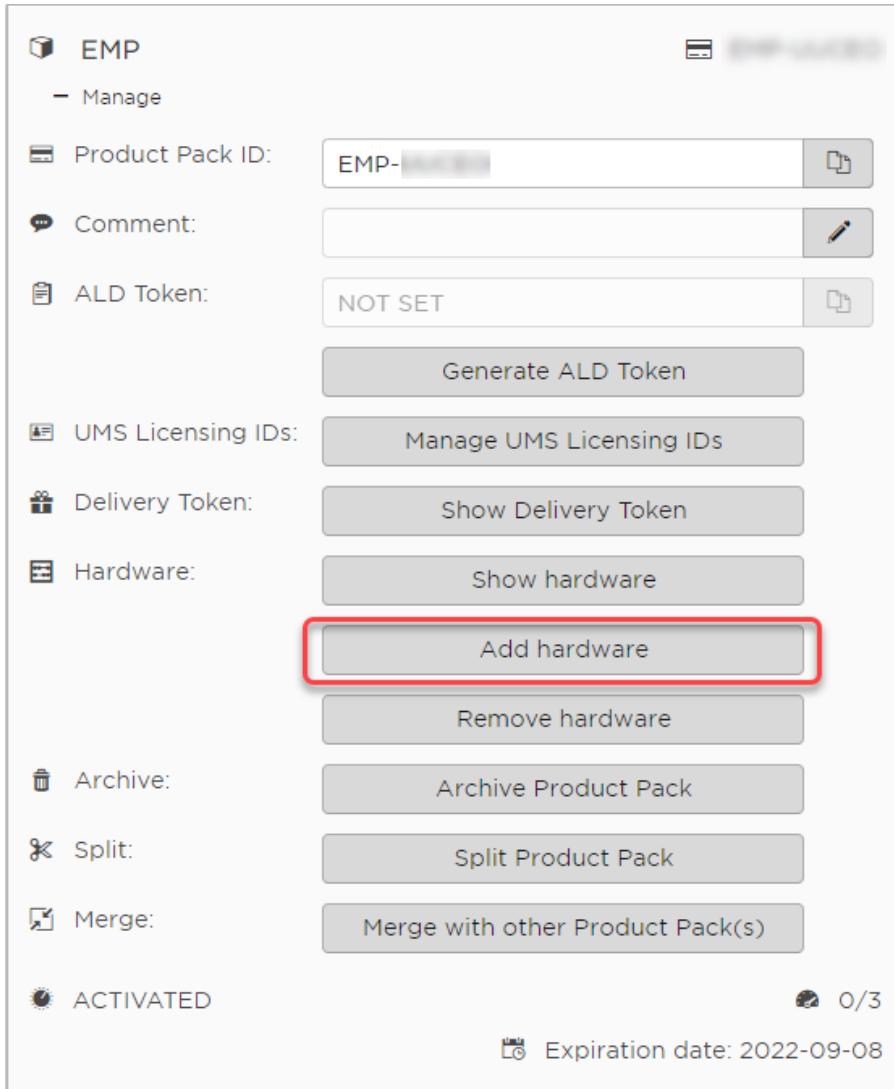
Delivery Token: Order time: Description:
[SUN-01779] 2021-09-02 Test
Status: On: By user:
Consumed 2021-09-02 [admin@igel.com]
Order ID
[2021-09-02-0001]

#1 EMP
1-YEARS
> EXPLORE

#1 EMP
1-YEARS
▼ EXPLORE
[→] Archived Demo
X X
Product Status
EMP ACTIVATED
Volume Expiration Date
0/3 2022-09-08

A screenshot of the IGEL COSMOS PAS software interface. At the top, there's a header with fields for Delivery Token, Order time, Description, Status, On, and By user. Below this is an 'Order ID' field containing a long string of characters. The main area displays a product pack entry for '#1 EMP' with a 1-YEAR license period. A red box highlights the 'EXPLORE' button. Below this, a detailed view of the product pack shows status information: Archived (with a red box around the arrow icon), Demo, Product: EMP, Status: ACTIVATED, Volume: 0/3, and Expiration Date: 2022-09-08.

3. Click **Add hardware**.



The screenshot shows the 'EMP' product pack details. It includes fields for Product Pack ID (EMP-[REDACTED]), Comment, ALD Token (NOT SET), and buttons for Generate ALD Token, Manage UMS Licensing IDs, Show Delivery Token, and Show hardware. A prominent red box highlights the 'Add hardware' button, which is located below the 'Show hardware' button. Other options shown include Remove hardware, Archive Product Pack, Split Product Pack, and Merge with other Product Pack(s). At the bottom left is an ACTIVATED status indicator with 0/3 units activated, and at the bottom right is an expiration date of 2022-09-08.

The dialog for adding hardware opens.

4. To add hardware, you have the following options:

- Upload the CSV containing the unit IDs via drag & drop
- Upload the CSV containing the unit IDs via the **Upload** button

 For more information on how to create a unit ID list, see [Creating a Unit ID List for IGEL OS](#)(see page 126).

- Click  to enter unit IDs manually



UDP-AAUOV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & drop

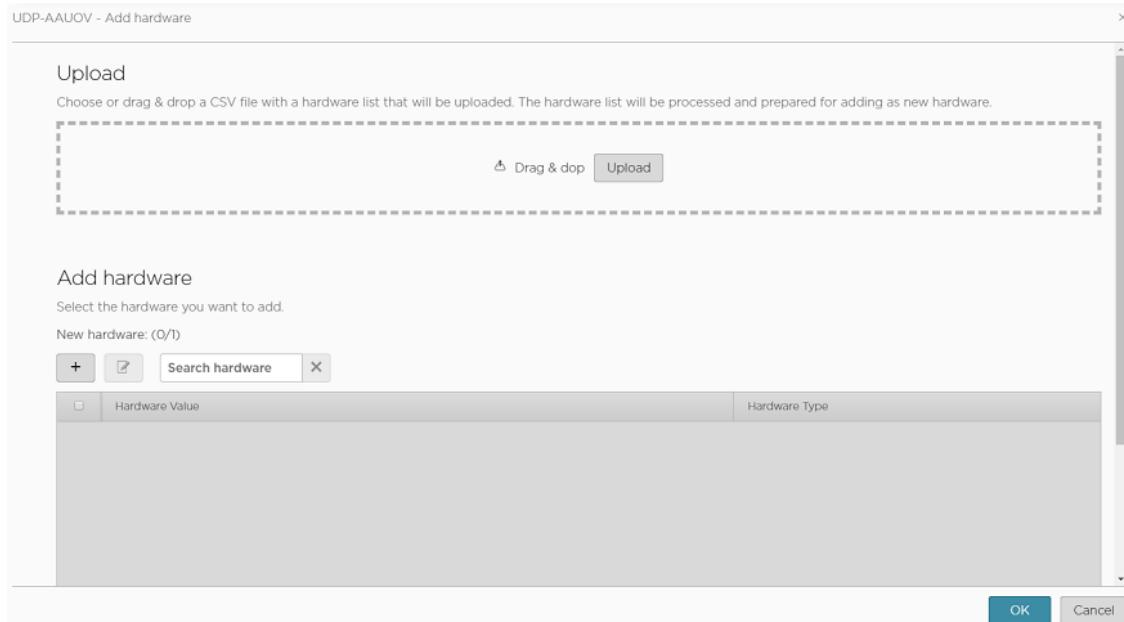
Add hardware

Select the hardware you want to add.

New hardware: (O/I)

+ Search hardware

Hardware Value	Hardware Type



The newly added hardware is displayed.

5. Click OK.

UDP-AAUOV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & drop

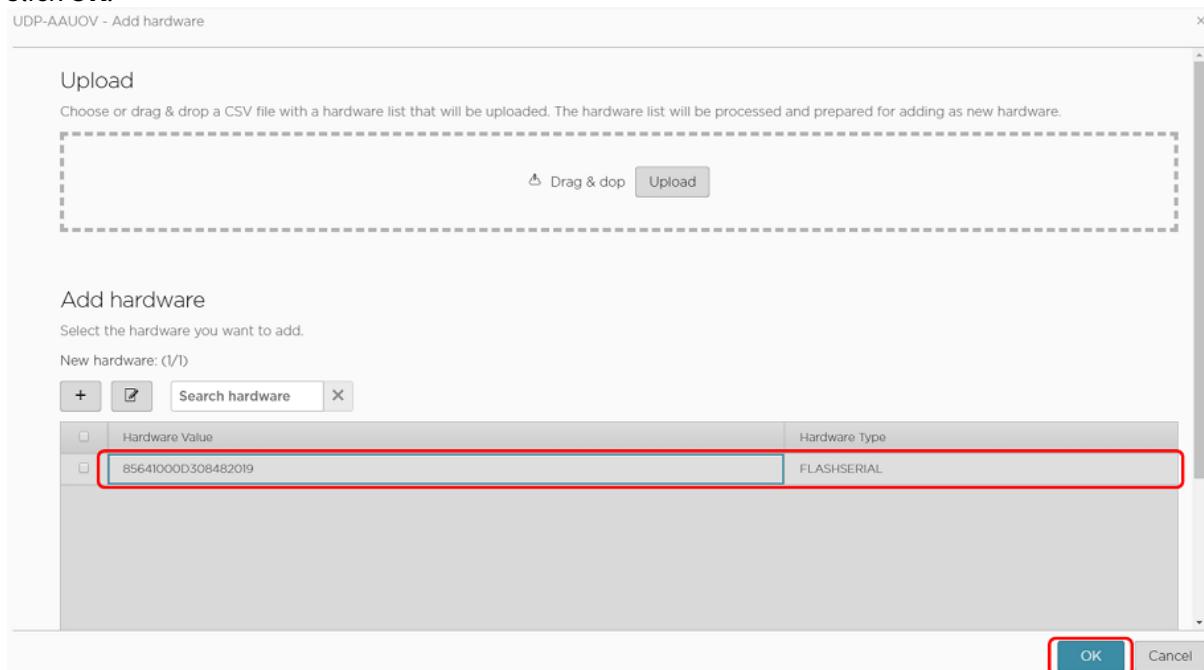
Add hardware

Select the hardware you want to add.

New hardware: (I/O)

+ Search hardware

Hardware Value	Hardware Type
85641000D308482019	FLASHSERIAL



The dialog for adding hardware is closed; your license file is ready for download.



6. Click **Download**.

The screenshot shows the 'EMP' product pack details in the IGEL COSMOS PAS interface. The 'Product Pack ID' is listed as 'EMP [REDACTED]'. The 'ALD Token' status is 'NOT SET', with a 'Generate ALD Token' button available. Under 'UMS Licensing IDs', there is a 'Manage UMS Licensing IDs' button. The 'Delivery Token' section has a 'Show Delivery Token' button. The 'License file:' section is highlighted with a red box around the 'Download' button. Other sections include 'Hardware' (with 'Show hardware', 'Add hardware', and 'Remove hardware' buttons), 'Archive' (with 'Archive Product Pack' button), 'Split' (with 'Split Product Pack' button), and 'Merge' (with 'Merge with other Product Pack(s)' button). At the bottom, it shows 'ACTIVATED', '1/3', and an expiration date of '2022-09-08'.

7. Save the license file (`*.lic`) to a suitable location.

Deploying the License on the Device

1. Go to the device, start it and step through the device's Setup Assistant.
2. At the step **Activate Your IGEL OS**, follow the instructions of the Alternative License Deployment section under Setup Assistant for IGEL OS.



Hardware-Bundled IGEL License Deployment

Once commercially available, a hardware-bundled IGEL license will be purchased together with hardware manufactured by an IGEL Hardware Partner. This type of license, will be a COSMOS PAS (Platform Access Subscription) which is deployed based on the serial number of the device it is sold with. The license can be deployed automatically through the Universal Management Suite (UMS) or manually through the IGEL Licensing Portal (ILP). The license can be separated from its hardware and can be deployed on a different device.

Subscription Activation and Subscription Period

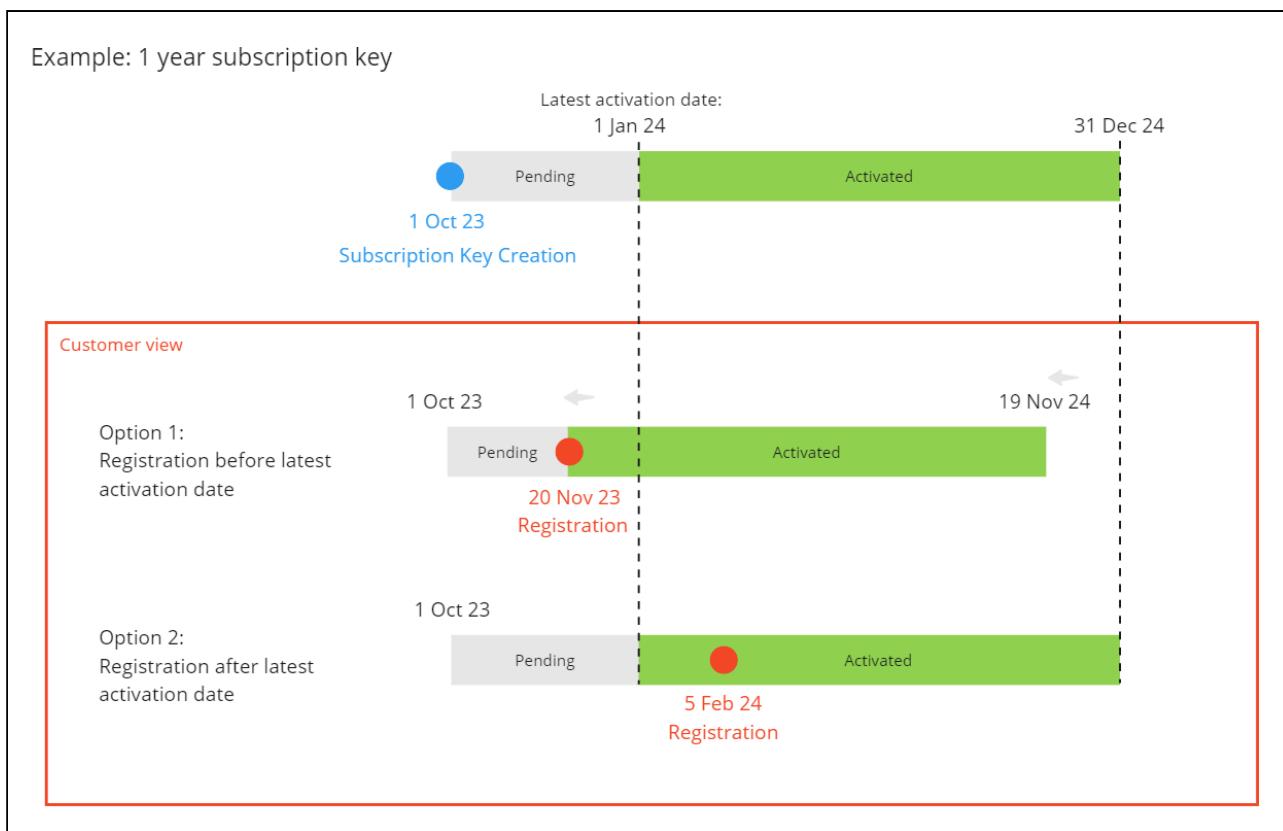
When a device is shipped with a hardware-bundled IGEL license, a subscription key is created for the serial number of the shipped device. Once the subscription key is created, the subscription enters the Pending state, which means it is not yet activated and the activation is pending.

As the subscription enters the Pending state, the predefined lag period begins. During the predefined lag period (typically three months after the creation), the subscription can be activated by registering the serial number of the device in the ILP. The predefined lag period ends with the latest activation date. On the latest activation date the subscription gets activated automatically whether or not the device is registered in the ILP.

Based on the date of the registration, the length of the subscription period has the following options:

- Option 1: The registration happens before the latest activation date, the activation date gets modified to the date of registration, and the subscription period will start from that date.
- Option 2: The registration happens after the latest activation date, the subscription is already activated, and the end of the subscription period is defined based on the latest activation date and not the registration date.

Example: 1 year subscription key

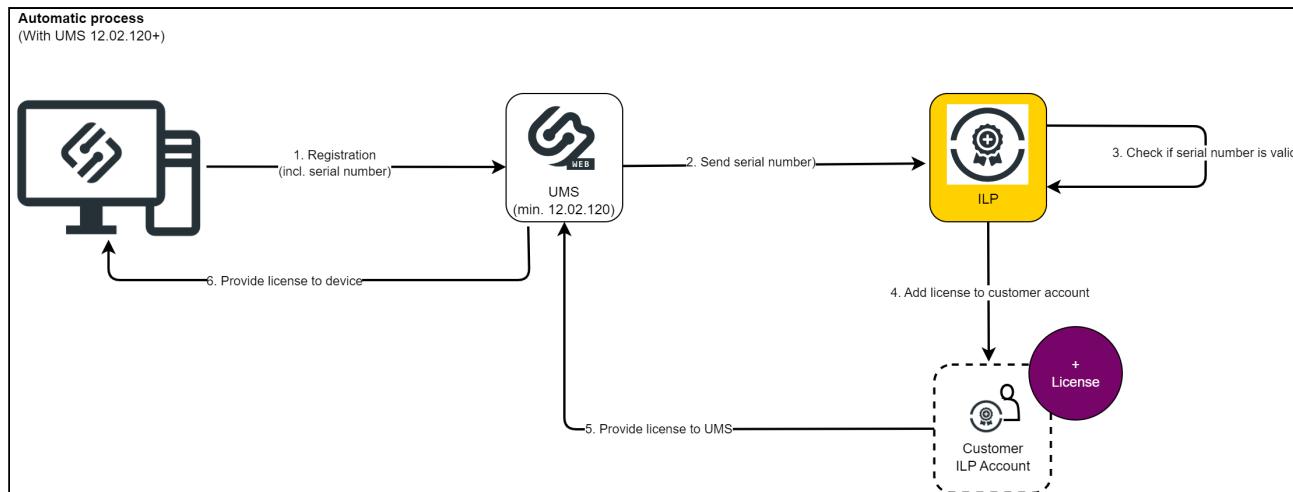


Automatic Deployment of Hardware-Bundled IGEL Licenses through UMS

You can configure the UMS to automatically assign hardware-bundled IGEL licenses to the devices they are purchased with based on their serial number.

- ⓘ The function is available in UMS 12.2.120 or higher and for devices with OS version 11.08.440 / 12.2.0 or higher.

When the function is activated, and a device with a supported OS version gets registered in the UMS, the UMS sends the serial number and MAC of the device to the ILP. The ILP validates if there is a license connected to the serial number, and if so, assigns the corresponding subscription key to the Global Account ID based on the UMS ID. The ILP activates the subscription and updates the start date/end date as necessary. The UMS receives the license and provides it to the device.



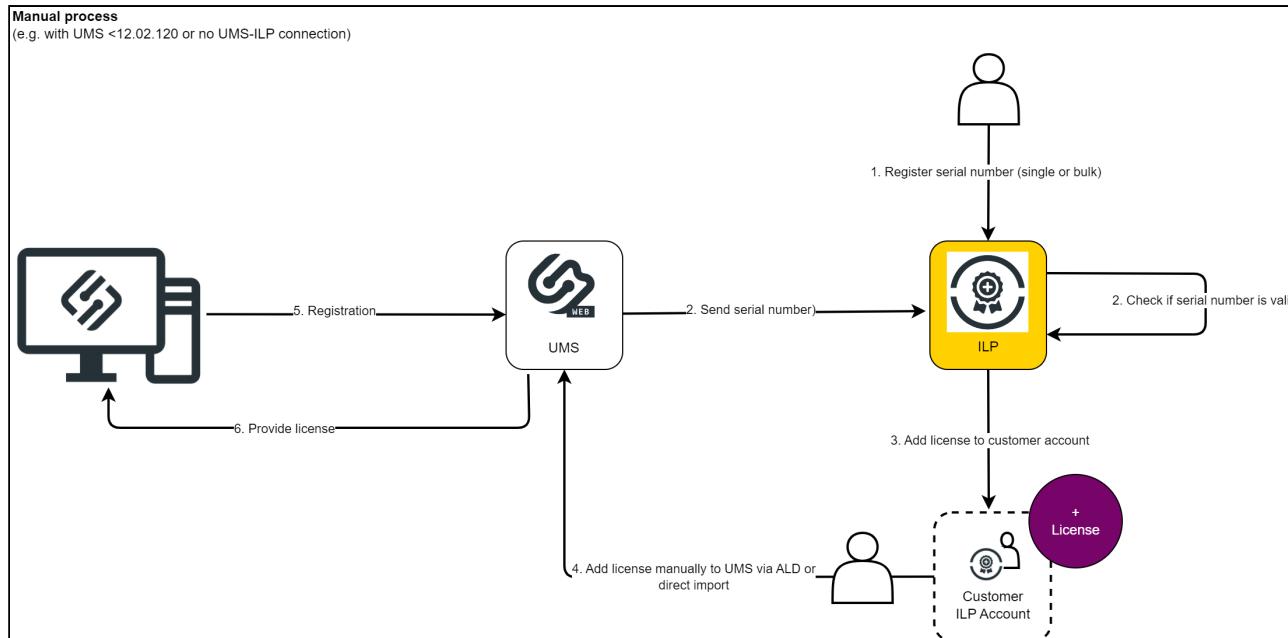
To deploy a hardware-bundled IGEL license automatically:

1. Register the UMS ID in the ILP. For detailed description, see [Obtaining Your UMS ID\(see page 65\)](#) and [Registering Your UMS ID\(see page 67\)](#).
2. Enable hardware-bundled IGEL license deployment in the UMS under **UMS Administration > Licenses > Deployment > Activate hardware-bundled IGEL license deployment**. For more information, see Deployment - Deploying Licenses through the IGEL UMS.
3. Onboard the device through the onboarding service or register it in the UMS. For more information, see Onboarding IGEL OS 12 Devices and Registering IGEL OS Devices on the UMS Server.

In case the process is not successful for any reason, the UMS will license the device through Automatic License Deployment (ALD), if it is configured. For details on how to configure ALD, see [Fully Automatic License Deployment with UMS ID\(see page 139\)](#).

Manual Deployment of Hardware-Bundled IGEL Licenses through ILP

The administrator registers the serial number of the device to the ILP. The ILP validates if there is a license connected to the serial number and if so, assigns the corresponding subscription key to the Global Account ID. The ILP activates the subscription and updates the start date/end date as necessary. The administrator then can manually download the licenses or add the redeemed product packs to the UMS ID.



To deploy a hardware-bundled IGEL license manually:

1. Get the serial number of the device(s).
2. Register the serial number(s) in the ILP through the **Redeem hardware-bundled IGEL license** button on the landing page. You can add the serial number manually or upload a CSV file. The subscription gets activated, the ILP updates the start date/end date of the subscription.
3. Depending on your needs, you can:
 - Wait until the device with the serial number is registered in the UMS and gets licensed according to the automatic process.
 - Download the license manually for manual license deployment. With this you break the device binding, and can use the license for any device. For details on the process, see [Manual License Deployment for IGEL OS](#)(see page 125) and [Manual License Deployment for IGEL OS without UMS](#)(see page 134).
 - Add the redeemed product pack to the UMS ID to make them available for ALD. With this you break the device binding, the product pack can be used by any device registered in the UMS. For details on ALD, see [Fully Automatic License Deployment with UMS ID](#)(see page 139).



Licensing UMA

Unified Management Agent (UMA) version 3.01 or higher is licensed by the Enterprise Management Pack. If you have a valid Enterprise Management Pack, you can operate as many UMA installations as you need.

When the Enterprise Management Pack has expired, the local Setup of the UMA can still be used, but remote access by the UMS is disabled.

Using UMA with UMS

If you want to use UMA version 3.01 or higher with the Universal Management Suite (UMS), at least one IGEL OS 11 based device with a license from an Enterprise Management Pack must be present in the UMS network. The UMS version must be 6.01 or higher.

The IGEL OS 11 based device must be of one of the following types:

- IGEL device (UD)
- UD Pocket
- Device converted with OSC

When the IGEL OS 11 based device has registered with the Enterprise Management Pack in the UMS, the devices on which UMA is installed can be controlled by the UMS.

- i** For UMA licensing purpose, it is sufficient to register the IGEL OS 11 based device only once and then remove it from the network. When license renewal is due, the device must be registered again.



IGEL Software License Field Experience

- [IGEL Download and License Server URL](#)(see page 145)
- [How to Reclaim Device License](#)(see page 146)



IGEL Download and License Server URL

⚠ Solution Based on Experience from the Field

This article provides a solution that has not been approved by the IGEL Research and Development department. Therefore, official support can not be provided by IGEL. Where applicable, test the solution before deploying it to a productive environment.

Topic of discussion/Issue:

IGEL download and license server URL

Firmware version:

any

UMS version:

5.08 and higher

Description:

Customers are asking us to provide the port(s) and URL's for the IGEL download and license servers, even if it's a wildcard.

Solution:

Wildcard: ***igel.com or susi.igel.com** is the licensing server fwu.igel.com - checks the address of our license server and establishes the connection

Ports 80 and 443 need to be allowed bidirectionally for the proper communication to occur.

⚠ With UMS 6.03.130 or higher, fwus.igel.com is contacted via port 443; for complete and up-to-date information, see UMS Contacting the Licensing Server.



How to Reclaim Device License

⚠ Solution Based on Experience from the Field

This article provides a solution that has not been approved by the IGEL Research and Development department. Therefore, official support can not be provided by IGEL. Where applicable, test the solution before deploying it to a productive environment.

Topic of discussion/Issue:

How to reclaim device license.

Firmware version:

IGEL OS 10 and higher

UMS version:

UMS 5.09 and higher

Description:

How to decommission the device and gain back licenses.

Solution:

In the console, locate a machine that you have validated and is ready to be decommissioned

With that mac address of that machine, search in the packs that you have. Delete the machine in the license pack and delete the machine in the console. After these steps, one license will be recovered.

Repeat the process for others.



IGEL Software Licenses FAQs

- [How Can I Find Out Which Order My Product Pack Belongs To?\(see page 148\)](#)
- [The IGEL OS 11 Migration Plan\(see page 152\)](#)
- [How To Remove an IGEL License Completely\(see page 156\)](#)
- [How Can I Suppress Enterprise Management Pack Expiration Warnings?\(see page 177\)](#)
- [My Licenses Have Expired - What Can I Do?\(see page 178\)](#)



How Can I Find Out Which Order My Product Pack Belongs To?

Overview

The history function of the IGEL License Portal allows you to:

- check which orders can be renewed at similar times
- find out which Product Packs have been ordered together



Instructions

1. Select the Product Pack in question by clicking **Manage**.

The screenshot shows the IGEL License Portal interface. At the top left is the portal logo and a dropdown menu showing 'customer.igel.com'. The main navigation menu includes Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware, Product Packs (which is highlighted with a red box), Archived packs, and IGEL Knowledge Base.

The main content area is titled 'Product Packs' and displays a list of registered product packs. The list includes:

- UDC2UPGR: + Manage, NEW, 0/1, Duration: 1 Year(s)
- AIT: + Manage, NEW, 0 (0/1), Duration: 1 Year(s)
- 90M: + Manage (button highlighted with a red box), NEW, 0/1, Duration: 1 Year(s)
- AIT: + Manage, NEW, 2 (0/1), Duration: 2 Year(s)
- UDC3 (Demo): + Manage, ACTIVATED, 0/1, 2019-05-30
- UDP: + Manage, ACTIVATED, 0/1, 2019-09-19
- WE: + Manage, ACTIVATED, 0/1, 2019-12-21
- UDC3: + Manage, ACTIVATED, 0/1, 2019-12-21

At the top of the list area are several search/filter options: 'All products' dropdown, 'All UMS Licensing IDs' dropdown, 'Search Product Pack' input field, and a 'Filter by date' button.



2. Click **Show Delivery Token**.

A screenshot of the IGEL Licensing interface. At the top left is a product icon with "90M" next to it. To its right is a key icon. Below these are sections for "Subscription ID" (with a text input field and a copy icon), "Comment" (with a text input field and a edit icon), and "ALD Token" (with a text input field containing "NOT SET" and a copy icon). A "Generate ALD Token" button is present. Below these are sections for "UMS Licensing IDs" (with a "Manage UMS Licensing IDs" button) and "Delivery Token" (with a "Show Delivery Token" button, which is highlighted with a red rectangle). Further down are sections for "Hardware" (with "Show hardware", "Add hardware", and "Remove hardware" buttons), "Archive" (with an "Archive Product Pack" button), and status indicators for "NEW" (0/1), "Duration: 1 Year(s)".

Subscription ID:

Comment:

ALD Token: NOT SET

Generate ALD Token

UMS Licensing IDs: [Manage UMS Licensing IDs](#)

Delivery Token: [Show Delivery Token](#)

Hardware: [Show hardware](#), [Add hardware](#), [Remove hardware](#)

Archive: [Archive Product Pack](#)

NEW 0/1 Duration: 1 Year(s)

3. Click the arrow icon in the **Order Details** column.

A screenshot of a table titled "Order Details". The columns are labeled "Order Details", "Delivery Token", "Order Type", "ILP CR ID", and "Consumed on". The first row shows the header. The second row contains data: an empty "Order Details" column (with a plus icon highlighted by a red box), a "Delivery Token" column with "██████████", an "Order Type" column with "Initial order", an empty "ILP CR ID" column, and a "Consumed on" column with "2019-07-15".

Order Details	Delivery Token	Order Type	ILP CR ID	Consumed on
	██████████	Initial order		2019-07-15



The details for the order are shown.

Order Details

Overview of order

Delivery Token:

[REDACTED]

Order time:

2019-07-15

Description:

EULA: 90m only

Status:

Consumed

On:

2019-07-15

By user:

[REDACTED]

SAP order ID

[REDACTED]

#1 90M

L-2

1-YEARS

> [REDACTED]



The IGEL OS 11 Migration Plan

What Is the IGEL OS 11 Migration Plan?

The IGEL OS Migration Plan is an opportunity to move to IGEL OS 11 at a low cost and in the easiest way. It succeeds the IGEL OS 11 Trade-Up program which ended on December 31, 2021.

We want to make this very simple; when you purchase maintenance for 2 or 3 years together with IGEL OS 11, you can move your existing endpoint devices to our latest operating system and receive future updates. Some older devices do not have the minimum specifications required, so please check to ensure that the hardware you are using supports 64-bit and have at least 2 GB RAM and 4 GB storage.

In addition, if you have IGEL OS 10 with current IGEL maintenance, you can migrate to IGEL OS 11 free of charge regardless of whether or not your devices already include the Multi-Media Codec Pack (MMCP).

Am I Eligible?

You are eligible if you are an existing IGEL customer who is not yet on IGEL OS 11 and fulfills the following requirements:

- Running IGEL Linux v4, IGEL Linux v5, or IGEL OS 10
- You have tested that IGEL OS 11 works in your environment

How Long Is The IGEL OS Migration Plan Available For?

The IGEL OS 11 Migration Plan started on January 1, 2022, and will run up to July 31st, 2022.

What Are the Benefits of IGEL OS 11?

[The Benefits of Upgrading IGEL OS and IGEL Endpoints¹⁴](#) offers a chronological and comprehensive overview of the latest features and capabilities of IGEL OS and UMS with each update since 2019. The document is updated upon each release

Among the benefits of IGEL OS 11 are:

- License portability; for details, see [License Portability\(see page 238\)](#)
- The Multi-Media Codec Pack (MMCP) is included in the Workspace Edition license
- New remote session protocols are included, such as:
 - AVD
 - The latest version of the Citrix Workspace App
 - The latest version of the Horizon client
 - Etc...
- The Custom Partition feature is included in the Workspace Edition license; a valid subscription/maintenance is required.
- Improved functionality in the IGEL License Portal (ILP)
- More embedded technologies, access to the latest version of clients, codecs, protocols, all the latest integrations with our now 110+ technology partners

¹⁴ <https://www.igel.com/wp-content/uploads/2020/11/The-Benefits-of-Upgrading-with-IGEL-OS.pdf>



- IGEL Unified Management Suite with High Availability (UMS HA) and IGEL Management Interface (IMI) are included in the Workspace Edition license
- Ability to add the following value-added UMS features by purchasing an Enterprise Management Pack license:
 - IGEL Cloud Gateway (ICG)
 - Asset Inventory Tracker (AIT)
 - Shared Workplace (Shared Workplace (SWP))
- 30-day IGEL OS 11 starter license to get up-and-running easily
- Any other ongoing new features and updates that you cannot get with anything but IGEL OS 11

Where Can I Find Out How Many Licenses I Have?

The best place to look is in your UMS database. IGEL can help you create a view to show you how many endpoints you have.

Can I Buy More Than Three-Year Maintenance?

No. Only two years or three years, with two being the minimum.

Is There a Separate Order Code for the Migration Plan?

Yes, this is listed in the latest price book.

Can I Co-term These New Migration SKUs with My Other IGEL Services?

Yes, any IGEL service with an expiration date can be co-termed. Examples: Priority Support, a Technical Relationship Manager, IGEL Academy subscription, IGEL Maintenance, and Enterprise Management Pack (EMP) subscription.

Can I Combine the Migration Plan with Other Promotions?

Sorry but no.

Do I Have to Purchase This Migration Plan To Migrate My IGEL OS 10 Devices to IGEL OS 11?

If the maintenance for your IGEL OS 10 devices is still running, you can migrate them to IGEL OS 11 without purchasing the IGEL OS 11 Migration Plan (provided you have tested it IGEL OS 11 works for you).

What about Support for This Plan?

Contact the IGEL Migration Team at customer-renewals@igel.com¹⁵ for further questions and advice on the best migration path for your business. In addition, all the usual support packages that IGEL offers will be available:

- Pre-Sales Support to help you with testing
- Select Support – access to the IGEL Knowledge Base and e-mail support
- Priority Support
- Priority Plus Support

¹⁵ mailto:customer-renewals@igel.com



What Are the System Requirements for IGEL OS 11?

Basically: Any endpoint device with a 64-bit system and at least 2 GB RAM and 4 GB storage.

For a list of 3rd party devices that are officially supported by IGEL OS 11, see Devices Supported by IGEL OS 11.

For a complete list of IGEL devices that are supported by IGEL OS 11, see IGEL Devices Supported by IGEL OS 11

For a complete list of which IGEL device supports which version of the IGEL firmware, see IGEL Devices and Supported Firmware.

You can find the minimum requirements under Installation Requirements.

Do I Have to Move From IGEL Linux v4 / IGEL Linux v5 to IGEL OS 10 First?

No, you don't because the IGEL OS Migration Plan is a license migration, not a firmware migration. If the device is OS 11 capable, you can re-flash the unit, just like with a normal 3rd party hardware conversion. This is done with the IGEL OS Creator (OSC); see the IGEL OS Creator Manual.

What If the LX 4 / LX 5 IGEL Hardware Cannot Take the New IGEL OS 11 But I Want to Move to IGEL OS11?

You can purchase a new IGEL device or a 64-bit capable endpoint from a 3rd party manufacturer, preferably one that is officially supported by IGEL OS 11. For more information, see Devices Supported by IGEL OS 11.

Do I Have to Buy the Multi-Media Codec Pack (MMCP) If I Want to Move My UDC3/UDP to IGEL OS 11?

No, we removed the restriction that the MMCP is required to convert to Workspace Edition licenses.

Can I Upgrade IZ Devices to IGEL OS11?

Yes, that is possible. In case you have an M320 or M330 (IZ3) it is not recommended as these models do not have hardware acceleration. If you can send us a screenshot of your UMS that shows how many IZ devices you have in your network, we can ship you an equal number of migration licenses. You can use them on newer hardware.

Can We Migrate on Compact, Winestra, Premium Models?

In special cases, you can order a "migration", but you have to use different hardware. Please refer to [system requirements](#)(see page 154).



What Should I Do Next?

Test, Test, Test with OS 11 trial licenses.

Remember, a key benefit of OS 11 is that you can use Custom Partitions in the standard Workspace Edition. As part of the testing, you need to ensure that any Custom Partitions are tested or rebuilt for OS 11 compatibility.



How To Remove an IGEL License Completely

Issue

You want to get rid of license expiration messages, or you have other reasons for removing unneeded license files from a device.

Background

Removing a license from the IGEL License Portal (ILP) and from the UMS does not remove it from the device. In this guide, you will learn how to remove the license from the IGEL License Portal, sync that to the UMS, and then remove the license from the IGEL device.

Environment

- IGEL OS 11.01.100 or higher
- UMS 6.01 or higher

Solution

The procedure varies, dependent on whether the licenses have been deployed via Automatic License Deployment (ALD) or manually. Make sure to select the instructions that are appropriate for your case.

Removing the License from the IGEL License Portal (License Has Been Deployed via Automatic License Deployment)

The first step to completely removing a license from a device is to remove it from the IGEL License Portal (ILP).

1. Identify the unit ID of the device you wish to remove from the Product Pack.

To copy the unit ID from the UMS Console to the clipboard, go to **Devices > [device name] > Advanced System Information**, select the value of **Unit ID**, and press [Ctrl] + [C].

2. Log in to <https://activation.igel.com>.
3. Click **Search hardware** in the left navigation bar, enter the unit ID, and click **Search**.

A screenshot of the IGEL Licensing interface. On the left is a sidebar with navigation links: Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware (which is highlighted with a red box), Product Packs, Archived packs, and IGEL Knowledge Base. Below the sidebar is a search bar with the text "OOEOC" and a "Search" button. A placeholder text "Enter a unit ID or a UMS Cluster ID and click "Search"" is displayed below the search bar.

Home
Orders
Co-Term/Renewal
UMS Licensing ID
Search hardware
Product Packs
Archived packs
IGEL Knowledge Base

OOEOC **Search**

Enter a unit ID or a UMS Cluster ID and click "Search".

A list of Product Packs the device is associated with is shown.

4. Click the arrow icon of the license pack you want to remove the device from.

Hardware OOE0C51C5087 found in 3 Product Pack(s):							
Manage	Product	Addons	Product Pack ID	Status	Expiration date	Volume	Comment
	TER		TER [REDACTED]	ACTIVATED	2022-07-02	1/1	
	PWT		PWT-[REDACTED]	ACTIVATED	2022-07-02	1/1	
	90M		90M-[REDACTED]	ACTIVATED	2022-07-02	1/1	



5. In the **Manage** dialog, click the **Remove hardware** button.

The screenshot shows the 'Manage' dialog for a product pack named 'TER'. The dialog is divided into three tabs: 'TER' (selected), 'TER-MSJPD', and 'TER-MSJPD'. The 'TER' tab contains the following fields:

- Subscription ID: TER [button]
- Subscription Key: TER-[button]
- Comment: [text input with edit icon]
- ALD Token: NOT SET [button]
- Generate ALD Token [button]
- UMS Licensing IDs: [button]
- Delivery Token: [button]
- License file: [button]
- Hardware: [button]
- Remove hardware: [button] (highlighted with a red box)
- Archive: [button]
- Merge: [button]
- ACTIVATED: 1/1 [button]

At the bottom right, there is a note: Expiration date: 2022-07-02.



6. Check the box next to the unit ID of the device, confirm that you have read the Terms & Conditions, and click **OK**.

Remove hardware

Select the hardware you want to remove.

Search hardware	X	≡
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:EC:...:00:00:00	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

7. Continue with [Removing the Device License from the UMS](#)(see page 164).

Removing the License from the IGEL License Portal (License Has Been Deployed Manually)

The first step to completely removing a license from a device is to remove it from the IGEL License Portal (ILP). If the license has been deployed manually, the license file must then be downloaded and registered with the UMS again.

1. Identify the unit ID of the device you wish to remove from the Product Pack.

To copy the unit ID from the UMS Console to the clipboard, go to **Devices > [device name] > Advanced System Information**, select the value of **Unit ID**, and press [Ctrl] + [C].

2. In your browser, navigate to <https://activation.igel.com> and log in with your account.
3. Click **Search hardware** in the left navigation bar, enter the unit ID, and click **Search**.

A screenshot of the IGEL Licensing interface. On the left, a sidebar menu includes options like Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware (which is highlighted with a red box), Product Packs, Archived packs, and IGEL Knowledge Base. Below the sidebar is a search bar with the text "OOEOC" and a "Search" button. A placeholder text "Enter a unit ID or a UMS Cluster ID and click \"Search\"." is visible below the search bar.

Home
Orders
Co-Term/Renewal
UMS Licensing ID
Search hardware
Product Packs
Archived packs
IGEL Knowledge Base

OOEOC **Search**

Enter a unit ID or a UMS Cluster ID and click "Search".

A list of Product Packs the device is associated with is shown.

4. Click the arrow icon of the license pack you want to remove the device from.

Hardware OOE0C51C5087 found in 3 Product Pack(s):							
Manage	Product	Addons	Product Pack ID	Status	Expiration date	Volume	Comment
	TER		TER [REDACTED]	ACTIVATED	2022-07-02	1/1	
	PWT		PWT-[REDACTED]	ACTIVATED	2022-07-02	1/1	
	90M		90M-[REDACTED]	ACTIVATED	2022-07-02	1/1	



5. In the **Manage** dialog, click the **Remove hardware** button.

The screenshot shows the 'Manage' dialog for a product pack. The 'Hardware' section is expanded, revealing the 'Remove hardware' button, which is highlighted with a red rectangular border. Other visible buttons include 'Generate ALD Token', 'Manage UMS Licensing IDs', 'Show Delivery Token', 'Download', 'Show hardware', 'Archive Product Pack', 'Merge with other Product Pack(s)', and 'Expiration date: 2022-07-02'. The status bar at the bottom indicates '1/1'.

Subscription ID:	TER [button]
Subscription Key:	TER-[button]
Comment:	[button]
ALD Token:	NOT SET [button]
Generate ALD Token	
UMS Licensing IDs:	Manage UMS Licensing IDs
Delivery Token:	Show Delivery Token
License file:	Download
Hardware:	Show hardware
Remove hardware	
Archive:	Archive Product Pack
Merge:	Merge with other Product Pack(s)
ACTIVATED	1/1 Expiration date: 2022-07-02

6. Check the box next to the unit ID of the device, confirm that you have read the Terms & Conditions, and click **OK**.



Remove hardware

Select the hardware you want to remove.

Search hardware		
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:EC:xxxxxx	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

7. If the Product Pack has zero activated licenses after you have removed the hardware, you must add another hardware now. Otherwise, you would not be able to download the license file.



8. Download the license file and store it on a drive that can be reached by the UMS Server.

The screenshot shows the 'TER' product page in the IGEL COSMOS PAS software. The 'License file:' section is highlighted with a red box around the 'Download' button. Other visible fields include 'Subscription ID:', 'Subscription Key:', 'Comment:', 'ALD Token:', 'UMS Licensing IDs:', 'Delivery Token:', 'Hardware:', 'Archive:', 'Merge:', and 'ACTIVATED' status with an expiration date of 2022-07-02.

TER	TER- [Subscription ID]	TER- [Subscription Key]
- Manage		
Subscription ID:	TER-I [Subscription ID]	[Edit]
Subscription Key:	TER-[Subscription Key]	[Edit]
Comment:		[Edit]
ALD Token:	NOT SET	[Edit]
Generate ALD Token		
UMS Licensing IDs:	Manage UMS Licensing IDs	
Delivery Token:	Show Delivery Token	
License file:	Download	
Hardware:	Show hardware	
	Remove hardware	
Archive:	Archive Product Pack	
Merge:	Merge with other Product Pack(s)	
ACTIVATED	1/1 Expiration date: 2022-07-02	

9. Continue with [Removing the Device License from the UMS](#)(see page 164).



Removing the Device License from the UMS

1. In the UMS Console, open **UMS Administration** and go to **Global Configuration > Licenses > Device Licenses**.

A screenshot of the UMS Administration interface. The left sidebar shows a navigation tree: 'Server - [REDACTED]', 'UMS Administration', 'Global Configuration' (expanded), 'Licenses' (expanded), 'UMS Licensing ID', 'UMS Licenses' (selected and highlighted with a red box), 'Device Licenses' (selected and highlighted with a blue box), 'Deployment', 'UDC2 Deployment', 'Certificate Management', and 'Device Communication'. A small downward arrow icon is in the top right corner of the sidebar.

2. Click the **Select filter** button, enter the unit ID of the device, and click **Ok** to locate the device you want to remove.

A screenshot of a list view titled 'IGEL Licenses (22)'. It includes two buttons at the top: 'Select filter' (highlighted with a red box) and 'Reset filter'. Below is a table with columns: Order Number, Category, Pack ID, and Expiration Date. The data is as follows:

Order Number	Category	Pack ID	Expiration Date
69	Add-on	TER-111111	Jul 2, 2022
69	Maintenance	WE-111111	Jul 1, 2022
69	Add-on	PWT-111111	Jul 2, 2022
69	Add-on	90M-111111	Jul 2, 2022
69	Subscription	EMP-111111	Jun 11, 2022
69	Subscription	EMP-111111	Mar 11, 2022
69	Subscription	EMP-111111	Mar 11, 2022
69	Maintenance	WE-111111	Sep 24, 2021
69	Maintenance	IZUP-111111	Feb 18, 2021
11	Maintenance	UDP-111111	Sep 6, 2020



You can also use the button to navigate to the device if you like.



Select filter

Category	All
Order Number	
Pack ID	
Expiration Date	<input checked="" type="radio"/> All <input type="radio"/> Date range from _____ to _____ <input type="radio"/> Date _____ <input type="radio"/> Endless
Unit ID	_____ <input type="button" value="..."/>
<input type="button" value="Ok"/> <input type="button" value="Cancel"/>	

3. Select the license you wish to release and then click the minus button in the top right.

IGEL Licenses (22)

Matching licenses (6)				
Order Number	Category	Pack ID	Expiration Date	
Add-on		90M-I	Jul 2, 2022	<input type="button" value="-"/>
Subscription		EMP-	Jun 11, 2022	<input type="button" value="-"/>
Add-on		PVT-	Jul 2, 2022	<input type="button" value="-"/>
Add-on	TER-		Jul 2, 2022	<input type="button" value="-"/>
Maintenance		WE-J	Jul 11, 2022	<input type="button" value="-"/>
Maintenance		WE-V	Sep 24, 2021	<input type="button" value="-"/>

4. Make sure that no Product Pack has Automatic License Deployment (ALD) enabled without conditions. Otherwise, the device may get re-licensed. For details, see [Configuring the Distribution Conditions](#)(see page 76).

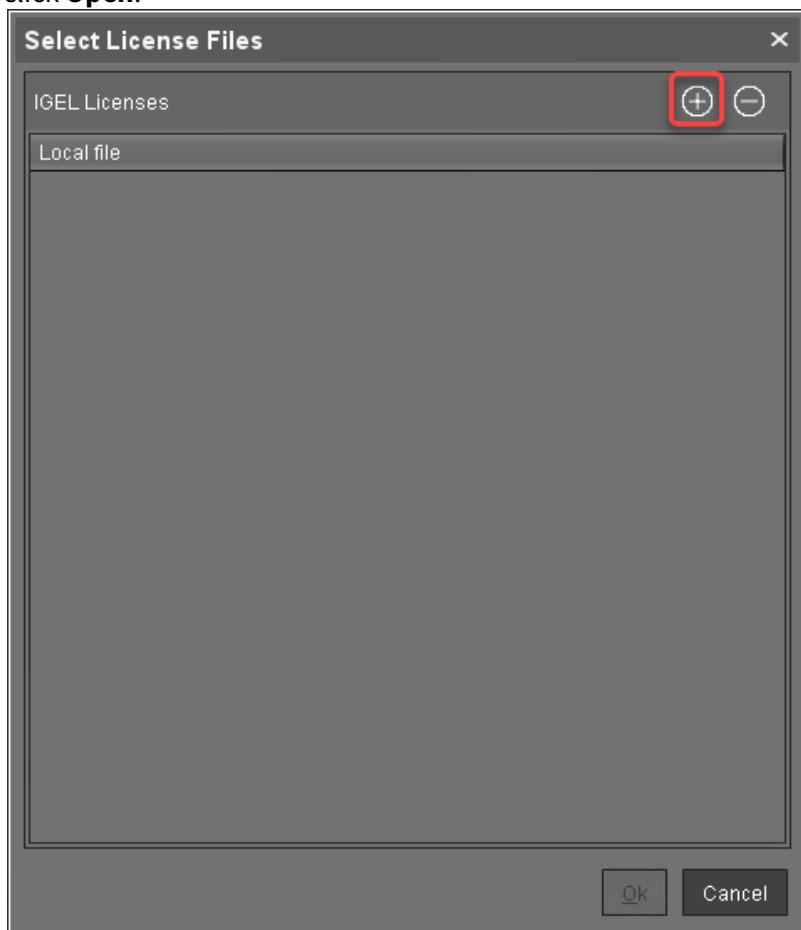
5. Click to add the updated license file.

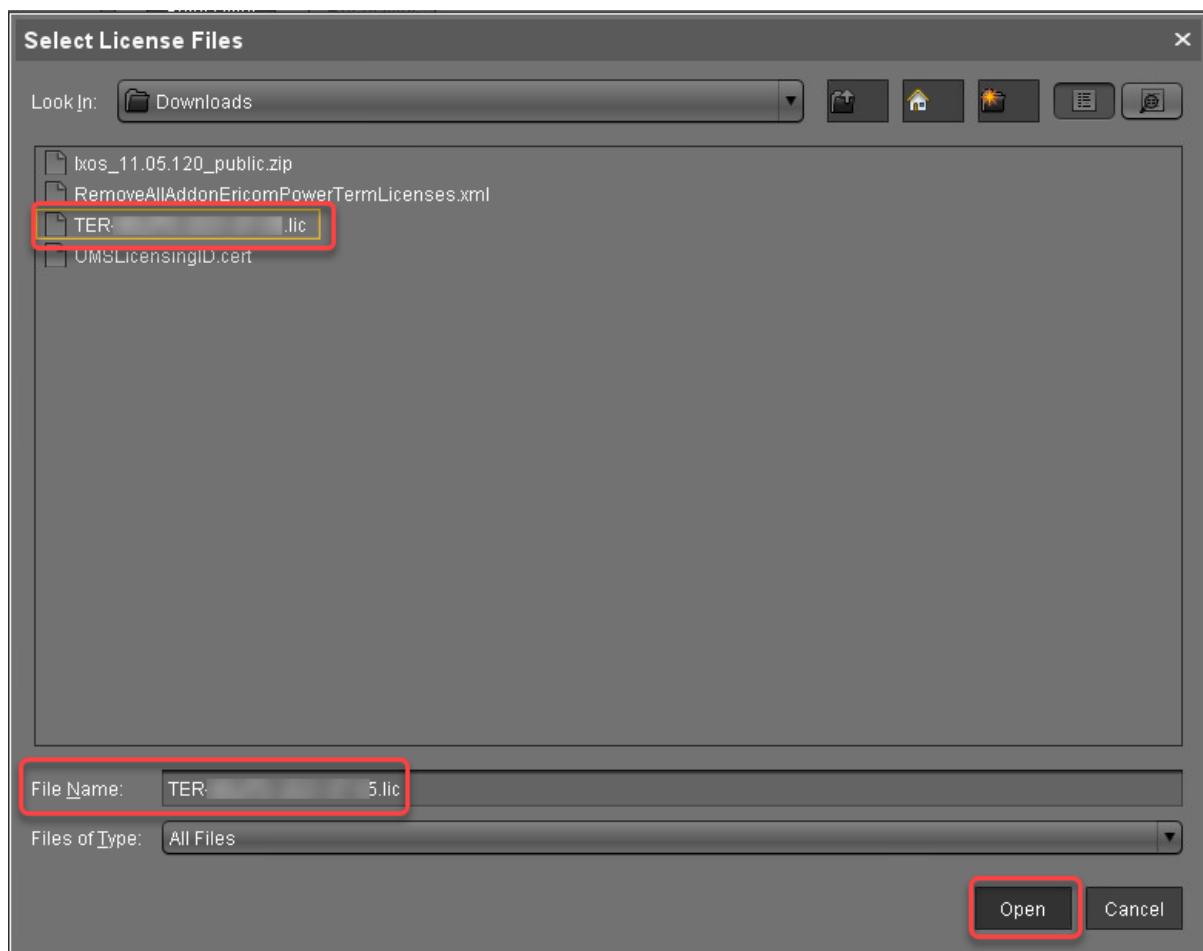
IGEL Licenses (24)

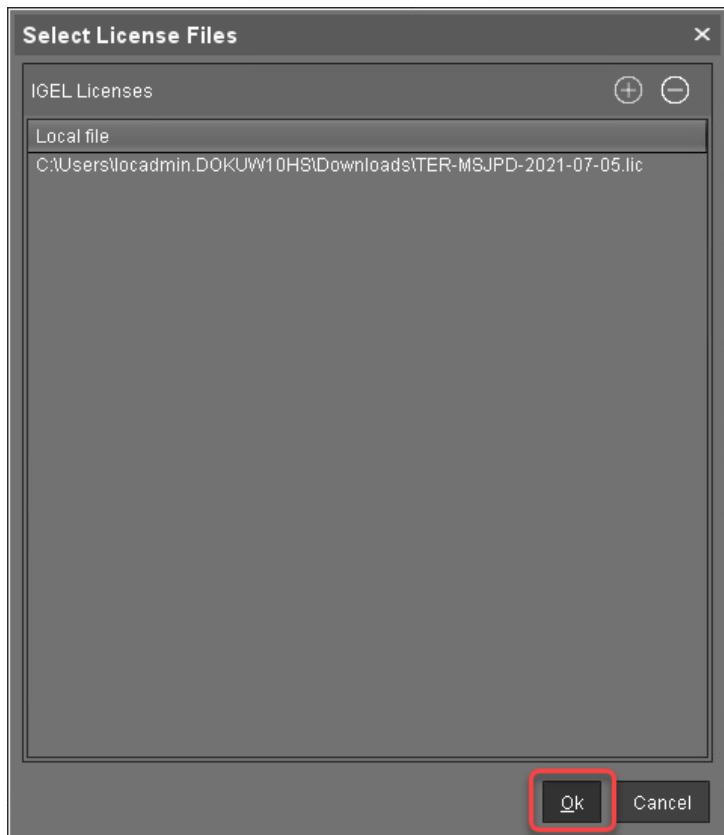
Matching licenses (6)				
Order Number	Category	Pack ID	Expiration Date	
Maintenance			Jul 1, 2022	<input type="button" value="+"/>
Add-on			Jul 2, 2022	<input type="button" value="+"/>
Add-on			Jul 2, 2022	<input type="button" value="+"/>
Add-on			Jul 2, 2022	<input type="button" value="+"/>
Subscription			Jun 11, 2022	<input type="button" value="+"/>
Subscription			Mar 11, 2022	<input type="button" value="+"/>
Subscription			Mar 11, 2022	<input type="button" value="+"/>
Maintenance			Sep 24, 2021	<input type="button" value="+"/>
Maintenance			Feb 18, 2021	<input type="button" value="+"/>
Maintenance			Sep 6, 2020	<input type="button" value="+"/>
Maintenance			Feb 15, 2020	<input type="button" value="+"/>
Add-on			Dec 19, 2020	<input type="button" value="+"/>
Add-on			Sep 3, 2020	<input type="button" value="+"/>
Subscription			Jun 7, 2020	<input type="button" value="+"/>
Maintenance			Feb 7, 2020	<input type="button" value="+"/>
Maintenance			May 21, 2020	<input type="button" value="+"/>
Maintenance			Feb 7, 2020	<input type="button" value="+"/>



6. In the **Select License Files** dialog, click to open the file browser, select your license file, and click **Open**.







7. Continue with [Removing the IGEL Local License File from Your Device](#)(see page 168).

Removing the IGEL Local License File from Your Device

Now that you have removed the license from the license portal and the UMS, you can move forward with removing the device's local copy of the license. This will be done via a profile that has the appropriate custom commands.

1. Download the right profile for your purposes:

License Files to Be Removed	Profile
Remove all licenses	 RemoveAllLocalLicenses.zip



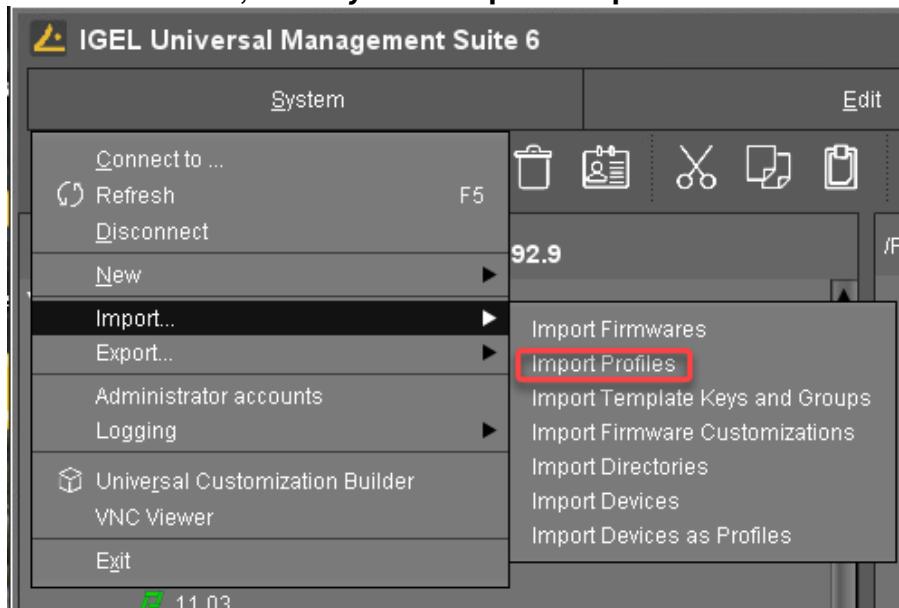
License Files to Be Removed	Profile
Remove all evaluation licenses	 RemoveAllEvaluationLicenses.zip
Remove all Enterprise Management licenses	 RemoveAllEnterpr...PackLicenses.zip
Remove all Workspace Edition licenses	 RemoveAllWorkspa...tionLicenses.zip



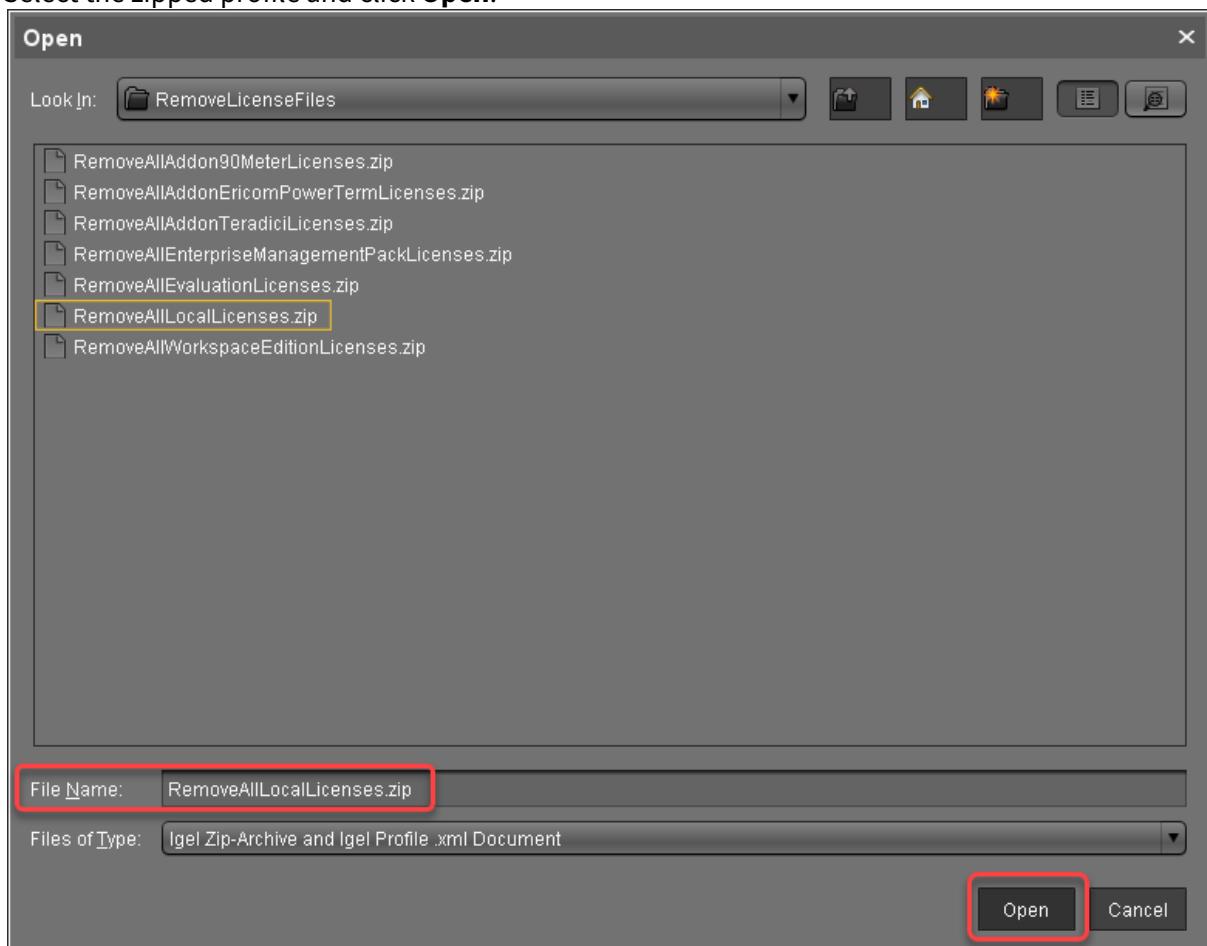
License Files to Be Removed	Profile
Remove all Ericom PowerTerm add-on licenses	 RemoveAllAddonEr...TermLicenses.zip
Remove all 90meter add-on licenses	 RemoveAllAddon90...eterLicenses.zip
Remove all Teradici add-on licenses	 RemoveAllAddonTe...diciLicenses.zip



2. In the UMS Console, select **System > Import > Import Profiles**.

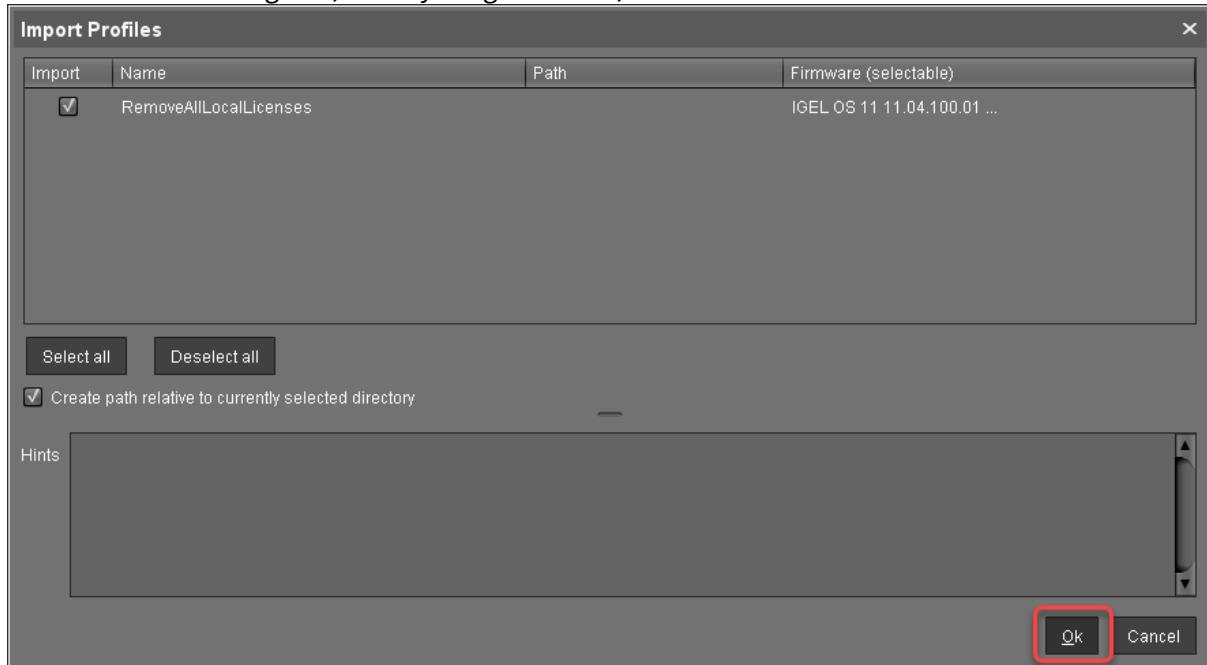


3. Select the zipped profile and click **Open**.

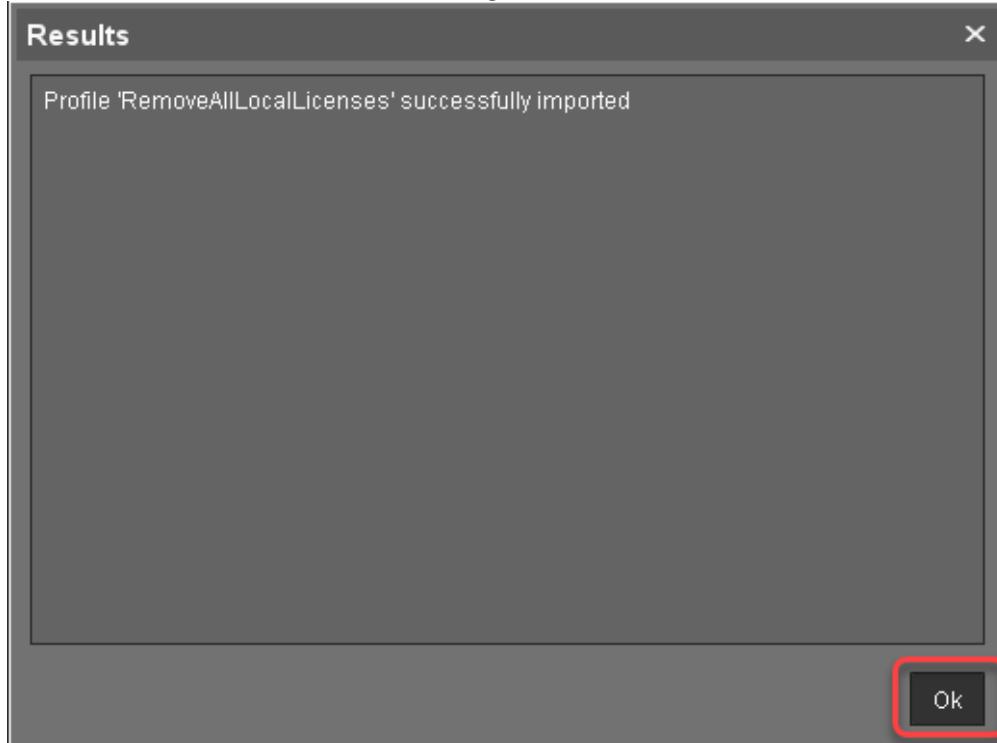




4. Review the next dialog and, if everything is correct, click **Ok**.



5. Click **Ok** to close the confirmation dialog.



6. In the structure tree, select the removal profile and click the icon next to **Assigned objects**.



⚠ You can only assign one removal profile to devices at a time.

The screenshot shows the IGEL Universal Management Suite 6 interface. The left sidebar displays a tree view of the system structure, including the server (Server - 172.30.92.9) and various profiles. The main panel shows the configuration for a specific profile named "IPProfiles/RemoveAllLocalLicenses". The configuration details are as follows:

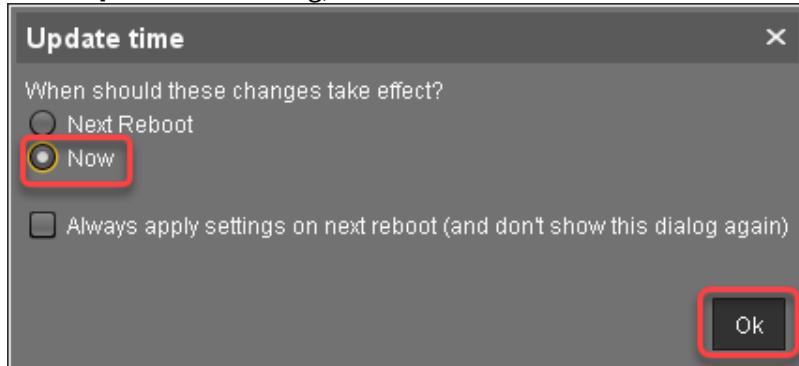
- Name: RemoveAllLocalLicenses
- Description: Deletes all license files from endpoint
- Based on: IGEL OS 11.11.04.100.01
- Profile ID: 117003
- Mode: Expert mode
- Template Key Relation

The "Assigned objects" section is empty. A red box highlights the "RemoveAllLocalLicenses" profile in the list of profiles on the left, and another red box highlights the "+" button in the top right corner of the configuration panel.

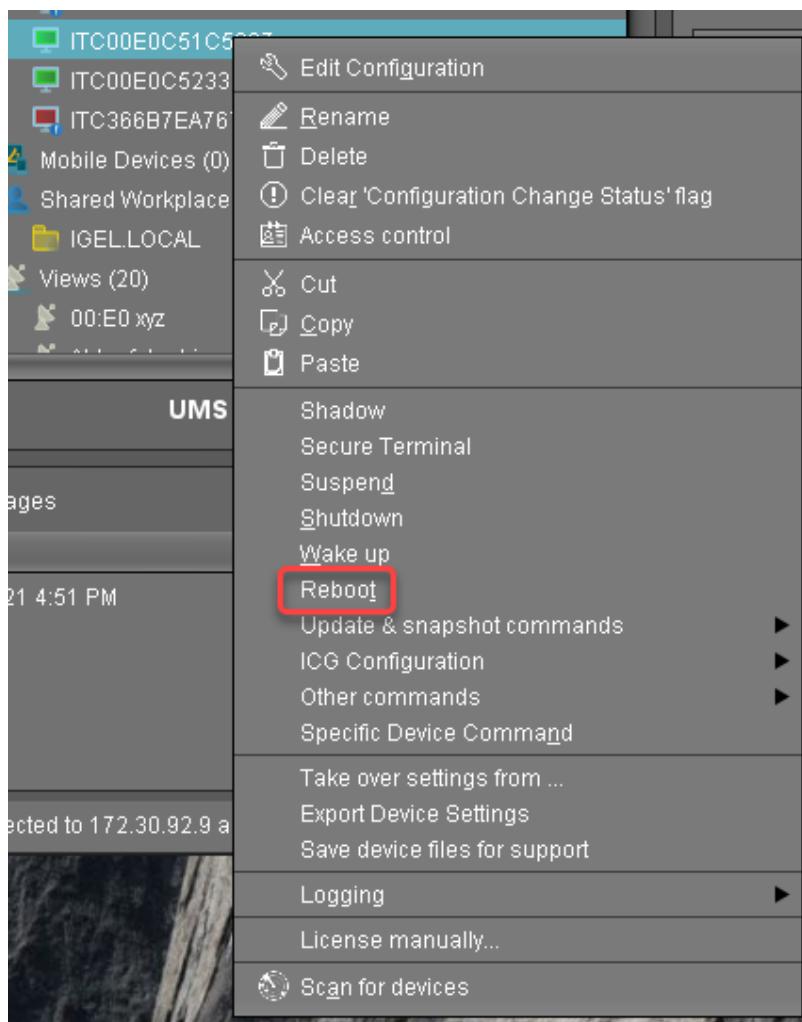
7. Select the devices from which you want to remove the license files and click **Ok**.



8. In the **Update time** dialog, select **Now** and click **Ok**.



9. In the structure tree, select the devices from which you want to remove the license files, and then select **Reboot** from the context menu.



During system startup, the license files are removed from the device.



10. Remove the profile from the device.

The screenshot shows the IGEL Universal Management Suite 6 interface. The left sidebar shows navigation options like System, Edit, Devices, and Misc. The main area displays a list of devices under 'Server - 172.30.92.9'. One device, 'ITC00E0C51C5087', is selected and highlighted with a red box. The right side shows detailed information for this device, including 'System Information' and 'Advanced System Information' tables. In the top right corner, there is a section titled 'Assigned objects' which lists actions. One action, 'RemoveAllLocalLicenses', is highlighted with a red box. Below it, there is a section for 'Indirectly assigned objects'.



How Can I Suppress Enterprise Management Pack Expiration Warnings?

Issue

Your users see warnings about Enterprise Management Pack license expiry on their devices and are distracted by this. You want to avoid this.

Environment

- IGEL OS 11.06

Solution

With IGEL OS 11.06 or higher, you can suppress Enterprise Management Pack license expiry warnings in the Registry.

1. In the UMS configuration dialog or the local Setup, go to **System > Registry > userinterface > license_notification > enable_enterprise_management_notification** and deactivate **Enterprise Management Pack license notification**.
2. Click **Apply** or **Ok**.
After the next reboot, the device will no longer issue any Enterprise Management Pack license warnings.



My Licenses Have Expired - What Can I Do?

What Are the Consequences of an Expired Maintenance or Subscription?

Perpetual Licenses (Maintenance Expired)

When the Maintenance for a perpetual license expires, you will lose access to the following:

- IGEL support
- Firmware updates
- License portability, see [License Portability](#)(see page 238)

In addition, a reinstatement fee will be added to the renewal price when the Maintenance has already expired before the purchase order has been issued.

The following licenses are perpetual:

- Workspace Edition, see [Workspace Edition](#)
- 90meters smartcard middleware, see [Add-On Licenses](#)
- Ericom PowerTerm, see [Add-On Licenses](#)

Non-perpetual Licenses (Subscription)

The functionality that had been licensed is no longer available.

The following licenses are non-perpetual:

- Enterprise Management Pack, see [Enterprise Management Pack](#)
- PCoIP client by Teradici, see [Add-On Licenses](#)

Which Options Do I Have Now?

- Renewal for 1, 2, or 3 years: To order a renewal, contact your IGEL reseller.
- Co-termining several Product Packs (with or without merging) to one common expiration date: Contact customer-renewals@igel.com¹⁶. For details about merging, see [How to Merge IGEL Product Packs](#)(see page 231).
- Trade-in UDC3/UDP licenses and convert them to OS11 licenses. When the licenses are converted, they can be co-termed. For details about the trade-in program, see [The IGEL OS 11 Migration Plan](#)(see page 152).

¹⁶ mailto:customer-renewals@igel.com



IGEL COSMOS PAS Subscription

- [IGEL COSMOS PAS - Entitlements and Effects of Expiration](#)(see page 180)



IGEL COSMOS PAS - Entitlements and Effects of Expiration

This article describes which functions you are entitled to with a valid IGEL COSMOS Platform Access Subscription (PAS) and which functions are unavailable when the subscription has expired.

The relevant information is shown for:

- [IGEL OS 12 devices](#)(see page 180)
- [IGEL OS 11 devices](#)(see page 181)
- [License Management](#)(see page 182)
- [Support Services](#)(see page 182)

IGEL OS 12

Functions on the Endpoint Device

Function	Subscription Active	Subscription Expired
Connect to UMS	✓	✓
Use installed apps	✓	✓
Activate codecs	✓	✓
Connect to ICG	✓	✗
Update / install apps locally	✓	✗
Update IGEL OS locally	✓	✗

Endpoint Management Functions

Function	Subscription Active	Subscription Expired
Deploy productive license	✓	✓
Shadow device (always secure)	✓	✓
Power control commands	✓	✓
IGEL Management Interface (IMI)	✓	✓
Perform device configuration changes (profiles / individual device settings)	✓	✗ (configuration is frozen)*
Trigger update to the latest OS	✓	✗



Function	Subscription Active	Subscription Expired
Trigger app updates/ installations	✓	✗
Enable auto-update	✓	✗

*The settings will be kept as they were defined before the license expired. This way, business continuity is granted.

Onboarding Service (OBS)

Function	Subscription Active	Subscription Expired
Access the OBS	✓	✓
Redirect to UMS/ICG	✓	✓

IGEL OS 11

Functions on the Endpoint Device

Function	Subscription Active	Subscription Expired
Use IGEL OS 11	✓	✓
Connect to UMS (scan and register)	✓	✓
Update firmware locally	✓	✓ (see the note * (see page 183))
Activate multimedia codecs	✓	✓
Shared Workplace	✓	✗
Custom Partition	✓	✗

Endpoint Management Functions

Function	Subscription Active	Subscription Expired
Scan and register devices	✓	✓
Use the ICG (license deployment is still functional)	✓	✗
Deploy productive licenses	✓	✓



Function	Subscription Active	Subscription Expired
Perform device configuration changes with profiles (not via ICG)	✓	✓
Perform device configuration changes remotely (not via ICG)	✓	✓
Shadow devices (not via ICG)	✓	✓
Shadow devices (via ICG)	✓	✗
Power control commands	✓	✓
IGEL Management Interface (IMI)	✓	✓
Trigger Firmware Update	✓	✗
Perform device configuration changes with profiles via ICG	✓	✗
Perform device configuration changes remotely via ICG	✓	✗
Asset Inventory Tracker (AIT)	✓	✗

License Management via the IGEL License Portal (ILP)

Function	Subscription Active	Subscription Expired
License portability (see page 238) (remove unit IDs from Product Packs)	✓	✗

Support Services

Service	Subscription Active			Subscription Expired
	Select Support	Priority Support	Priority Plus Support	
Coverage Hours	12/5 (US) 10/5 (EMEA)	12/5 (US) 10/5 (EMEA)	24/7 (critical issues)	✗
Web-Based Support	✓	✓	✓	✗
Phone Support	✗	✓	✓	✗



Support via Remote Access	✗	✓	✓	✗
Named contact	5	10	15	0
Non-critical Response time	3 days	next business day	4 business hours	✗
Critical Response time	3 days	4 business hours	2 hours (24x7)	✗

* With an expired subscription, you can update your firmware locally, as long as the release date of the firmware update is lower than the expiration date.

Example:

- The subscription expired on 01.08.2022; a local update to IGEL OS 11.07.100 (release date 29.03.2022) is STILL possible.
- The subscription expired on 01.08.2022; a local update to IGEL OS 11.08.100 (release date 19.08.2022) is NOT possible.



IGEL Licensing Portal (ILP)

- [What Is New in ILP 3.2.1?\(see page 185\)](#)
- [The IGEL License Portal \(ILP\) - User Guide\(see page 189\)](#)
- [IGEL License Portal \(ILP\) Migration 2021\(see page 274\)](#)



What Is New in ILP 3.2.1?

Creating an EMP Product Pack from a WE Product Pack

You can use the IGEL License Portal (ILP) to create EMP Product Packs from the WE Product Pack you have purchased with Cosmos PAS. For details, see [Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack](#)(see page 266).

Multi-Licensed Hardware Cleanup

It may happen that some endpoint devices occupy more licenses than necessary. You can use the IGEL License Portal (ILP) to identify multi-licensed hardware and then perform an automatic or manual cleanup. For details, see [Multi-Licensed Hardware Cleanup for IGEL OS Devices](#)(see page 268).

Pending Invitations Invitation Time Displayed

Under **Manage Company**, the date of the invitation is displayed for each pending invitation.

Refresh Button

Some pages in the ILP now have a refresh button to make sure that the displayed data is up-to-date.

UMS Licensing ID Renamed to UMS ID

The certificate formerly known as UMS Licensing ID has been renamed to UMS ID.

Changes in ILP 3.1.7

IGEL OS 11 Subscription Supported

The ILP now supports the new IGEL OS 11 subscription model.

Notification about New Subscription Key Can Be Turned Off

You can turn off the e-mail notification that is sent when a new subscription key is available. This can be configured in your account settings.

Select a Default Company

This setting is relevant for service providers who manage multiple companies. You can set a company as the default company; this company will be selected when you log in to the ILP. This can be configured in your account settings.



Changes in ILP 3.1.6

List Mode in Product Packs View

When you select **Product Packs** in the menu, your Product Packs are displayed as a sortable list. You can toggle between **List view** (default) and **Card view**. Also, this enables you to use the **Comment** field for sorting.

View the Source for Converted UDC3 Product Packs

You can now trace which of your Product Packs is a converted UDC3 Product Pack. The **Source** field provides the Product Pack ID of the original Product Pack.

Changes in ILP 3.1.5

Global Account ID Always Visible

The Global Account ID is displayed on the homepage of the IGEL License Portal, disregarding the role of the user that is logged in.

Changes in ILP 3.1.4

Enhanced Expiration Warning

The expiration warning E-mails that are sent by the ILP now provide the following data: Subscription Key, Product Packs with seat numbers and expiration date, Company and Global Account ID.

EULA

When you have received new licenses, you must accept the EULA for your order in the ILP. It is no longer necessary to accept the EULA for each single Product Pack. Third-party EULAs must be accepted separately for each Product Pack. For details, see Essential IGEL Licensing FAQ.

Changes in ILP 3.1.3

Renewal Procedure

- The renewal procedure has changed, see [Renewing a Maintenance / Subscription in the IGEL License Portal \(ILP\)](#)(see page 217).



EULA

- When you have received new licenses, you must accept the EULA for each new Product Pack. This will be simplified with the next release.

Global Account ID Visible in ILP

- The Global Account ID identifies the end-customer and is under the **Manage Company** section in the IGEL License Portal (ILP).
To place a new order or to submit a license renewal, you require the Global Account ID and the Subscription Key. The Global Account ID can also be used as a purchase reference number. The Subscription Key is located in the **Subscription Key** section in the ILP.

Changes in ILP 3.1.2

No More Delivery Tokens

As of September 2021, licenses are instantly ready for use, without Delivery Tokens. However, licenses purchased before September 2021 still require [Redeeming a Delivery Token](#)(see page 264).

Renewal Process

- The renewal process has been simplified, see [Renewing a Maintenance / Subscription in the IGEL License Portal \(ILP\)](#)(see page 217).
- Together with a renewal, you can acquire additional licenses; in this case, a new Product Pack is created which shares the same Subscription Key as those Product Packs that have been renewed.

Merging Product Packs

- It is now possible to merge Product Packs; for details, see [How to Merge IGEL Product Packs](#)(see page 231).

Splitting Product Packs

- It is now possible to split ICG Product Packs; for details, see [Splitting an IGEL Product Pack](#)(see page 227).

Co-Termining/Renewal: Changed Process

- The process for co-termining and renewal has been changed. Therefore, the relevant menu entry has been removed from the ILP.



Inviting a User to Your Company

- A new contact address can be specified with a license order; if so, IGEL requests the company administrators to assign the contact as a user to their company. The invite process is described under [Inviting a User to Your Company](#)(see page 197).

Subscription Key

- The Subscription Key has been introduced. For more information, see [Essential IGEL Licensing FAQ](#)(see page 7).

Username (E-Mail Address) Not Editable

- It is no more possible to change the username, i.e. the e-mail address, of a user account. For account settings that can be changed, see [Overview](#)(see page 191), section "Menu", list entry "Settings".

New Statuses for Product Packs

- The new statuses MERGED and NOT_YET_ACTIVATED have been added. For details, see the [Overview](#)(see page 191) for the ILP.



The IGEL License Portal (ILP) - User Guide

- [Registering on the IGEL License Portal \(ILP\)\(see page 190\)](#)
- [Overview\(see page 191\)](#)
- [Managing Your Company\(see page 195\)](#)
- [Converting UDC3 or UD Pocket Licenses for Upgrading to IGEL OS 11\(see page 207\)](#)
- [Converting Samsung Upgrade Licenses for Upgrading to IGEL OS 11\(see page 211\)](#)
- [Converting ICG Licenses to Enterprise Management Pack \(EMP\) Licenses\(see page 214\)](#)
- [Renewing a Maintenance / Subscription in the IGEL License Portal \(ILP\)\(see page 217\)](#)
- [Moving Licenses between Product Packs\(see page 222\)](#)
- [Splitting an IGEL Product Pack\(see page 227\)](#)
- [How to Merge IGEL Product Packs\(see page 231\)](#)
- [Adding a Comment to a Product Pack\(see page 236\)](#)
- [License Portability\(see page 238\)](#)
- [Working with UMS IDs\(see page 247\)](#)
- [Bulk Removing Hardware from a Product Pack\(see page 261\)](#)
- [Redeeming a Delivery Token \(Legacy\)\(see page 264\)](#)
- [Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack\(see page 266\)](#)
- [Multi-Licensed Hardware Cleanup for IGEL OS Devices\(see page 268\)](#)



Registering on the IGEL License Portal (ILP)

If you are not registered at the IGEL License Portal (ILP), you must register first.

To register on the IGEL License Portal:

1. Go to <https://activation.igel.com>¹⁷
2. Click **Register**.
3. Fill in all fields marked with an asterisk * and solve the captcha.

i Your username is your e-mail address; the username cannot be changed later on.

4. Click **Register**.
5. Make sure you have received a confirmation e-mail from licenseportal@igel.com and click the confirmation link.
Your request is being checked by the IGEL Customer Care team.
6. If everything has gone well, you receive an e-mail from the IGEL Customer Care team which enables you to log in at the IGEL License Portal.

¹⁷ <https://activation.igel.com/>



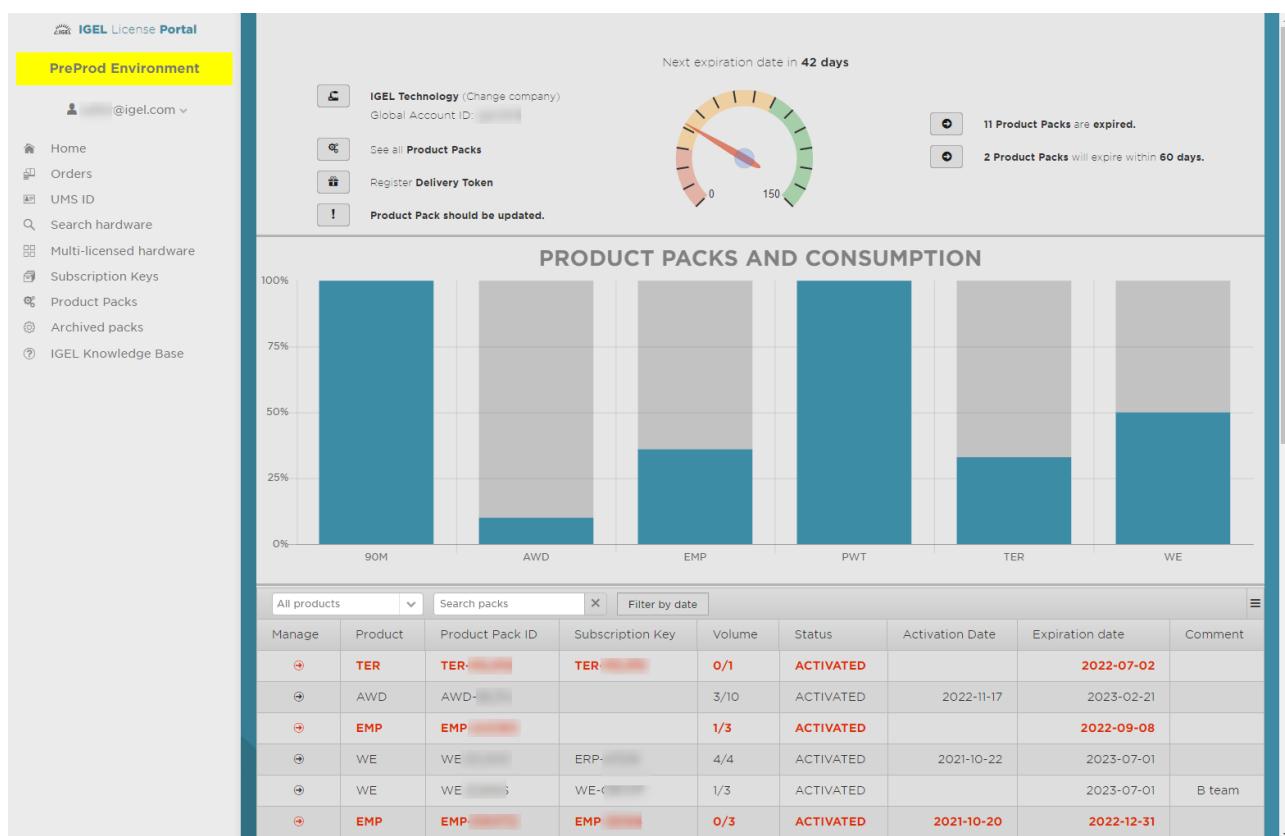
Overview

Introductory Video

 Sorry, the widget is not supported in this export.
But you can reach it using the following URL:
<https://www.youtube.com/watch?v=vY92NCeAgro>

Dashboard

The dashboard is shown after login or when you have clicked **Home** in the menu.



The dashboard's header shows the company name and the **Global Account ID**. From the header, you can jump to the Product Packs overview, register a Delivery Token, view all Product Packs which are to be renewed soon (**RENEW NOW!**), view all Product Packs that are expired, view all Product Packs that will expire within 30 days, and view all Product Packs that will expire within 90 days.



The area **PRODUCT PACKS AND CONSUMPTION** shows the percentage of licenses that are currently being used as a bar chart. One bar represents all Product Packs of one type, e.g. **UDP** for UD Pocket. Underneath the bar chart, all Product Packs that are not archived are listed. You can jump to the details and managing screen of a subscription by clicking  in the appropriate list entry.

Menu

The menu on the left-hand side has the following options:

- Account menu (**username@e-mail.com**):
 - **Register Delivery Token:** Register a Delivery Token you have received from your IGEL reseller or from the IGEL Customer Care team
 - **Select company:** Select the company for which you want to manage Product Packs or users. Relevant if you are assigned to more than one company
 - **Manage company:** Add users to the company or removing users from the company
 - **Settings:** Adjust your account settings:
 - Preferred language
 - E-mail notification when a Product Pack is about to expire
 - E-mail notification when a new Subscription Key is available
 - Set a company as the default company; this company will be selected when you log in to the ILP
 - **Change password:** Change your password
 - **Delete account:** Delete your account. To finally delete your account, you must click a confirmation link that is sent to you via e-mail
 - **Logout:** Logout from this portal
- **Home:** Return to the dashboard
- **Orders:** View all orders that are registered to the selected company
- **UMS ID:** Register, remove, or edit one or more UMS IDs; manage Product Packs assigned to a UMS ID
- **Search hardware:** Search for a device by hardware identifier (unit ID or MAC address)
- **Subscription keys:** List all Subscription Keys with details
- **Product Packs:** View all Product Packs that are registered to the selected company
- **Archived packs:** View all Product Packs that have been archived
- **IGEL Knowledge Base:** Open the IGEL Knowledge Base in a new tab or window

Delivery Token

 This is only relevant for those Product Packs that have been purchased before 9/2021.

When your order is processed, your IGEL reseller or the IGEL Customer Care team sends you a Delivery Token. This token enables you to generate all the ordered licenses by yourself. The Delivery Token is composed of "DLV" and a sequence of letters and numbers: DLV-<letters and numbers>. Example: **DLV-GLYJR**



Product Pack IDs

Every Product Pack has its own ID. The Product Pack ID is composed of the Product Pack type and a sequence of letters and numbers: <product pack type>-<letters and numbers>. Example: **UDC3-ECAA2**

Product Pack Types

The following Product Pack types exist:

- **WE:** Workspace Edition. A container for a predefined amount of IGEL OS 11 licenses. These licenses can be used for UD, IGEL OS Creator and UD Pocket.
- **WE-E:** Workspace Edition Evaluation: Workspace Edition for testing purposes which is valid for a limited time.
- **PWT:** Add-on license for Ericom Powerterm (IGEL OS 11.02.100 or higher)
- **90M:** Add-on license for the 90meters smartcard middleware (IGEL OS 11.01.110 or higher)
- **TER:** Add-on license for the PCoIP client by Teradici (from IGEL OS 11.01.110 to IGEL OS 11.06)
- **EMP:** Enterprise Management Pack
- **UDP:** License for UD Pocket
- **UDC3:** License for UDC3
- **ICG:** License for the IGEL Cloud Gateway (ICG)
- **ADDON:** License for add-ons that extend the capabilities of IGEL OS 10. This license may contain one or more of the following features:
 - **POWERTERM:** Powerterm
 - **MMCP:** Multi-Media Codec Pack
 - **SWP:** Shared Workplace
- **SAM:** Samsung IGEL OS 10 Upgrade License
- **IMI:** License for the IGEL Management Interface (IMI)
- **AIT:** License for the Asset Inventory Tracker (AIT)
- **UDC2UPGR:** License for upgrading UDC2 devices to UDC3
- **IZUPGR:** License for upgrading from an IGEL Zero Client (IZ) to IGEL Universal Desktop (UD)

IZ Devices

IZ devices are not allowed to upgrade to IGEL OS 11. This is also true for IGEL OS 10 devices without maintenance. However, there is a trade-up program that enables you to overcome this limitation. Please contact your IGEL sales representative. For further information, see <https://www.igel.com/tradeup/> and [The IGEL OS 11 Migration Plan](#)(see page 152).

Product Pack Status

The following statuses are possible:

- **NEW:** No hardware has received a license from this Product Pack yet. The count of days until the expiry date has not started yet. This is only relevant for Product Packs that have been purchased before April 1st, 2021.



- ACCEPT PARTNER EULA: The partner EULA needs to be accepted before using the Product Pack, e.g. Teradici.
- ACTIVATED: The count of days until the expiry date has started.
- ACTIVATED (displayed in red color): The Product Pack has expired; a renewal is needed.
- EULA NOT ACCEPTED: The IGEL EULA needs to be accepted before using the Product Pack.
- MERGED: The Product Pack has been merged with another Product Pack. For more information on merging, see [How to Merge IGEL Product Packs](#)(see page 231).
- NOT_ACTIVATED_YET: The start date for the Product Pack is in the future. A license file can not be downloaded yet.
- STOPPED: The Product Pack has been canceled by IGEL. No licenses can be created from this Product Pack.
- TRADED_IN: This Product Pack was an OS 10 Product Pack originally and has been migrated to an OS 11 Product Pack.



Managing Your Company

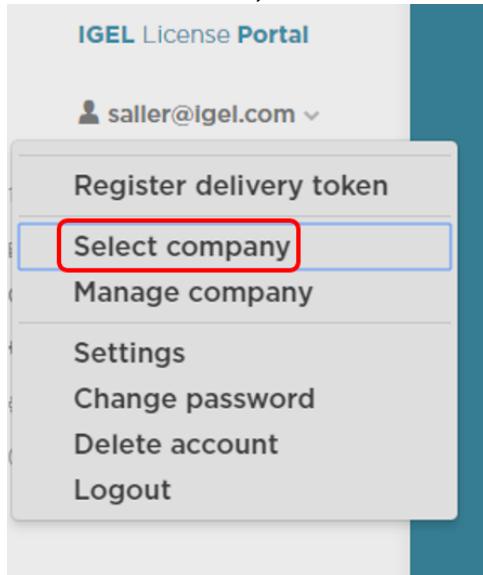
- [Selecting the Company](#)(see page 196)
- [Inviting a User to Your Company](#)(see page 197)
- [Withdrawing an Invitation](#)(see page 201)
- [Changing the Role of a User](#)(see page 202)
- [Removing a User from Your Company](#)(see page 204)
- [Roles and Permissions](#)(see page 206)



Selecting the Company

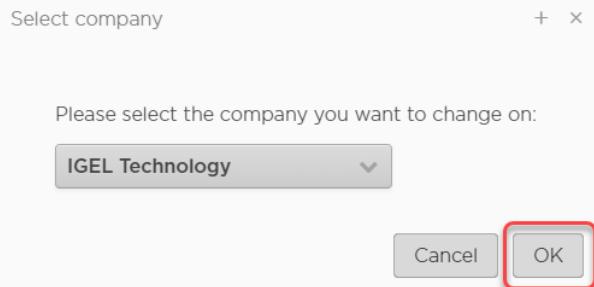
If you are assigned to more than one company, you must select the right company after login.

1. If you are not logged in to the IGEL License Portal (ILP), log in at <https://activation.igel.com>¹⁸.
2. In the account menu, choose **Select Company**.



The dialog **Select company** is shown.

3. Select the company you want to manage and click **OK**.



The dashboard shows the data for the selected company.

¹⁸ <https://activation.igel.com/>



Inviting a User to Your Company

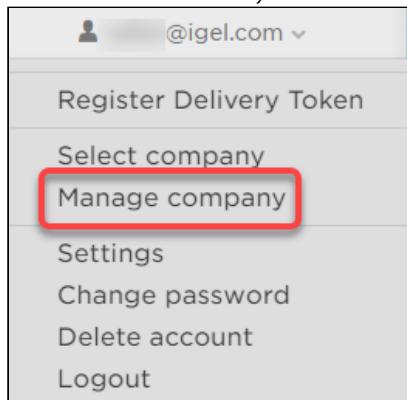
Overview

Provided you have the administrator role for your company, you can invite another user to the company and then assign a role to that user, e.g. the administrator role. This enables you to delegate tasks like renewing a maintenance, deploying licenses, or managing product packs, to a service provider. If a license order from your company has included a contact address, e.g. that of an employee of your service provider, you receive an e-mail from IGEL that requests you to invite this user to your company.

For further information on how to carry out the tasks of a service provider, see [Acting as a Service Provider for Several Companies](#)(see page 14).

Instructions

1. If you are not logged in to the IGEL License Portal, log in at <https://activation.igel.com>¹⁹.
2. If the dashboard for the desired company is shown, continue with the next step. Otherwise, follow the instructions under [Managing Your Company](#)(see page 195).
3. In the account menu, select **Manage Company**.



The screen **Manage Company** is shown.

¹⁹ <https://activation.igel.com/>

4. Click **Invite user**.

Manage Company

All Current Users of IGEL Technology

Name:	Global Account ID:
IGEL Technology	[REDACTED]

Search users **Invite user**

Username	E-Mail	Preferred language	Role	Manage
@igel.com	@igel.com	EN	Administrator	Change role Remove from company

The dialog **Invite User** is shown.

5. Enter the e-mail address of the user you want to invite to the company.

Invite User

Invite user to join the company.
Please enter the e-mail address to send a invitation.

Please do not use generic e-mail addresses (e.g. info@).
Also freemail providers aren't accepted (e.g.gmail.com).

E-mail...

Send **Cancel**

6. Select a role for the user you want to invite:

- **Administrator:** This role has permissions for all actions that are possible in the IGEL License Portal.



- **Service Provider:** This role has permissions for all actions except user management. Therefore, the service provider can not invite or remove a user, or change the user's role.
- **User:** This role has reading permissions for all areas in the IGEL License Portal, but can not perform any action.

Invite User X

Invite user to join the company.
Please enter the e-mail address to send a invitation.

Please do not use generic e-mail addresses (e.g. info@).
Also freemail providers aren't accepted (e.g.gmail.com).

E-mail...

Administrator
Service ProviderUser

Send Cancel

7. Click **Send**.

Invite User

Invite user to join the company.
Please enter the e-mail address to send a invitation.

Please do not use generic e-mail addresses (e.g. info@).
Also freemail providers aren't accepted (e.g.gmail.com).

Service Provider ▼

Send Cancel

An invitation e-mail is sent to the user. The e-mail contains a link to the registration form for the IGEL License Portal. The user must register at the IGEL License Portal, unless registered already. The invitation is displayed under **Pending Invitations**, including the **Invitation time**:

Pending Invitations						
IGEL GmbH						
Name	Status	Invited by	Is the ...	Role	Invitation time	Manage
- -	User did not respond yet	@igel.co...	✗	Service Provider	2023-01-13	Withdraw

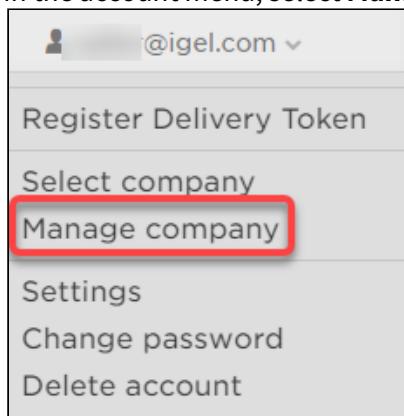
When the user has registered with the IGEL License Portal, and the IGEL Customer Care team has approved his account, the user is added to the company. The whole process can take up to a few days.

When the invitation has been pending for 30 days, it will be deleted.



Withdrawing an Invitation

1. If you are not logged in to the IGEL License Portal, login at <https://activation.igel.com>²⁰.
2. If the dashboard for the desired company is shown, continue with the next step. Otherwise, follow the instructions under [Selecting the Company](#)(see page 196).
3. In the account menu, select **Manage Company**.



4. The screen **Manage Company** is shown.
Pending invitations are displayed under **Pending Invitations**.

Pending Invitations						
Name	Status	Invited by	Is the ...	Role	Invitation time	Manage
user@igel.com	User did not respond yet	user@igel.co...	X	Service Provider	2023-01-13	Withdraw Rein

5. Click **Withdraw** in the appropriate line.

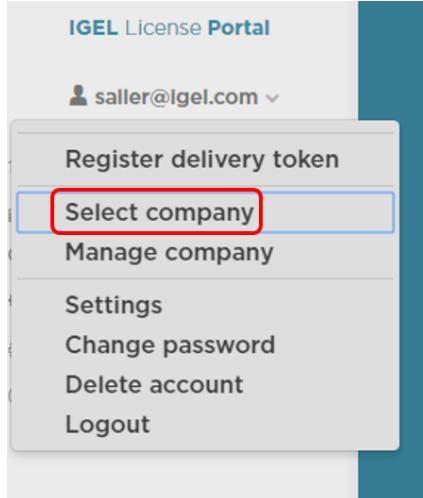
Pending Invitations						
Name	Status	Invited by	Is the ...	Role	Invitation time	Manage
user@igel.com	User did not respond yet	user@igel.co...	X	Service Provider	2023-01-13	Withdraw Rein

²⁰ <https://activation.igel.com>



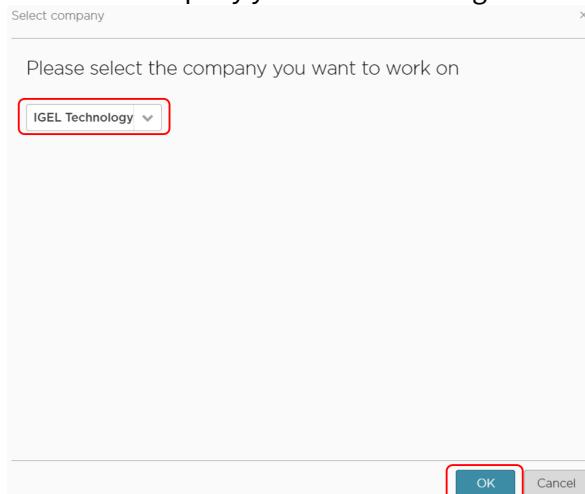
Changing the Role of a User

1. If you are not logged in to the IGEL License Portal, login at <https://activation.igel.com>²¹.
2. In the account menu, choose **Select Company**.



The dialog **Select company** is shown.

3. Select the company you want to manage and click **OK**.



The **Manage Company** screen for the selected company is shown.

4. In the list entry of the user whose role you want to change, click **Change role**.

Username	E-Mail	Preferred language	Role	Manage
saller3@igel.com	saller3@igel.com	EN	Administrator	Change role Remove from company
techdoc@igel.com	techdoc@igel.com	EN	Service Provider	Change role Remove from company

²¹ <https://activation.igel.com>



5. Select the new role and click **OK**.

Change role of user "techdoc@igel.com" for company "IGEL Technology" x

Service Provider ▼

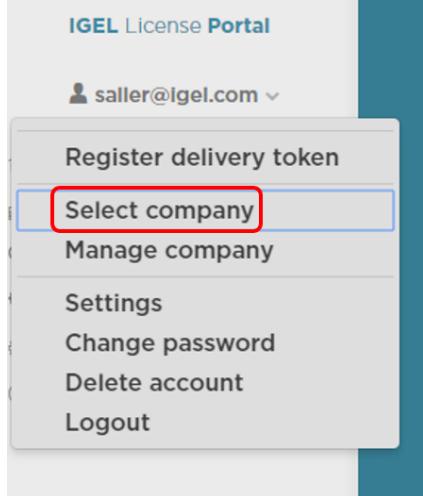
Administrator
Service Provider
User User

OK Cancel



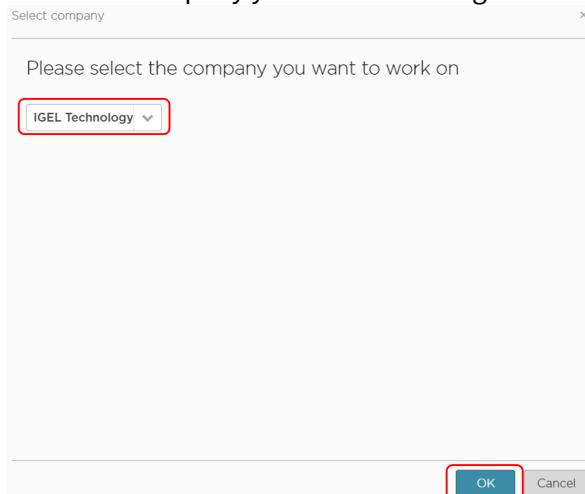
Removing a User from Your Company

1. If you are not logged in to the IGEL License Portal, login at <https://activation.igel.com>²².
2. In the account menu, choose **Select Company**.



The dialog **Select company** is shown.

3. Select the company you want to manage and click **OK**.



The **Manage Company** screen for the selected company is shown.

²² <https://activation.igel.com/>



4. In the list entry of the user you want to remove, click **Remove from company**.

Manage Company

All Current Users of IGEL Technology

Search users		Invite user		
Username	E-Mail	Preferred language	Role	Manage
saller@igel.com	saller@igel.com	EN	ADMINISTRATOR	
saller2@igel.com	saller2@igel.com	EN	ADMINISTRATOR	(highlighted with a red box)

5. In the confirmation dialog, click **Yes**.

The user is removed from your company.



Roles and Permissions

To each user account in the IGEL License Portal, a role is assigned. There are three roles: administrator, service provider, and user. In the following, the permissions of each role is listed.

Administrator

The administrator is permitted to perform the following actions:

- Invite a user to a company; see [Inviting a User to Your Company](#)(see page 197) and [Withdrawing an Invitation](#).(see page 201)
- Remove a user from a company; see [Removing a User from Your Company](#).(see page 204)
- Change the role of a user; see [Changing the Role of a User](#)(see page 202).
- Register a Delivery Token, which is required for getting licenses; see [How-Tos for IGEL Software Licenses](#).(see page 13)
- Renew a subscription; see [Renewing a Maintenance](#)(see page 217).
- Move licenses between Product Packs; see [Moving Licenses between Product Packs](#)(see page 222). (see page 222)
- Move licenses between devices; see [License Portability](#)(see page 238).
- Split a Product Pack; see [Splitting an IGEL Product Pack](#)(see page 227).
- Add a comment to a Product Pack; see [Adding a Comment to a Product Pack](#).(see page 236)
- Manage and configure the UMS ID, which is used by Automatic License Deployment (ALD); see [Working with the UMS ID](#).(see page 247)

Service Provider

The service provider is permitted to perform the following actions:

- Register a Delivery Token, which is required for getting licenses; see [How-Tos for IGEL Software Licenses](#).(see page 13)
- Renew a subscription; see [Renewing a Maintenance](#)(see page 217).
- Move licenses between Product Packs; see [Moving Licenses between Product Packs](#)(see page 222). (see page 222)
- Move licenses between devices; see [License Portability](#)(see page 238).
- Split a Product Pack; see [Splitting an IGEL Product Pack](#)(see page 227).
- Add a comment to a Product Pack; see [Adding a Comment to a Product Pack](#).(see page 236)
- Manage and configure the UMS ID, which is used by Automatic License Deployment (ALD); see [Working with the UMS ID](#).(see page 247)

User

The user is permitted to view all the Product Packs in the IGEL License Portal, but cannot perform any actions on them.



Converting UDC3 or UD Pocket Licenses for Upgrading to IGEL OS 11

If you want to upgrade your devices from IGEL OS 10 to IGEL OS 11, you need to convert your licenses from the legacy licensing model to the IGEL OS licensing model. The licenses will be converted from UDC3 or UD Pocket licenses to Workspace Edition (WE) licenses. To convert your licenses free of charge, you must have a valid subscription for the UDC3 devices or UD Pockets in question.

For instructions on how to upgrade the device firmware from IGEL OS 10 to IGEL OS 11, see [Upgrading UDC3 Devices from IGEL OS 10 to IGEL OS 11](#).

If you are using the IGEL Cloud Gateway (ICG), you also must convert your ICG licenses. The licenses will be converted from ICG licenses to Enterprise Management (EMP) licenses. For instructions, see [Converting ICG Licenses to Enterprise Management Pack \(EMP\) Licenses](#)(see page 214).

- i Once a Product Pack is converted to a Workspace Edition Product Pack, it can not be converted back again.

To convert UDC3 or UD Pocket subscriptions:

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²³. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to convert.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.

²³ <https://activation.igel.com/>

4. Click **Convert to WE**.

UDC3 UDC3-4IPEV

Manage

Product Pack ID: UDC3-4IPEV

Comment:

Activation Key: 0318-0a7e-2b5f-257d-ba57

ALD Token: NOT SET

UMS Licensing IDs:

Delivery Token:

Hardware:

Archive:

Product:

Merge:

ACTIVATED 0/1

Expiration date: 2023-05-15



5. Read and confirm the warning dialog.

Your Product Pack will be converted into an IGEL OS 11 Workspace Edition Pack. This conversion cannot be undone.

Make sure that your devices support IGEL OS 11 and that IGEL OS 11 has all the features you require. Read all the warnings and notes [here](#).

A How-To for upgrading your devices to OS 11 is available in the IGEL Knowledge Base: [Link](#)

Do you want to continue?



The newly converted Product Pack is shown. The hardware has been moved from the original Product Pack to the WE Product Pack. Also, the WE Product Pack maintains the original UMS ID assignment and the ALD Token. The original Product Pack is archived. The **Source** field shows the



Product Pack ID of the original UDC3 Product Pack from which the new Product Pack was derived.

WE	WE-01LQF	WE-01LQF
- Manage		
Subscription Key:	WE-01LQF	
Product Pack ID:	WE-01LQF	
Comment:		
<input checked="" type="checkbox"/> Source:	UDC3-4IPEV	
ALD Token:	NOT SET	
UMS Licensing IDs:		
Delivery Token:		
Hardware:		
Archive:		
<input checked="" type="checkbox"/> Merge:		
ACTIVATED	0/1	
Expiration date: 2023-05-15		

6. Continue with deploying the licenses to the devices. For further information, see [Fully Automatic License Deployment with UMS ID](#)(see page 207) or [Manual License Deployment for IGEL OS](#)(see page 125), according to your deployment method.



Converting Samsung Upgrade Licenses for Upgrading to IGEL OS 11

If you want to upgrade your Samsung TC222L or TC242L devices from IGEL OS 10 to IGEL OS 11, you need to convert your licenses from the legacy licensing model to the IGEL OS licensing model. The licenses will be converted to Workspace Edition (WE) licenses. To convert your licenses free of charge, you must have a valid subscription for the devices in question.

For instructions on how to upgrade devices from IGEL OS 10 to IGEL OS 11, see [Upgrading UDC3 Devices from IGEL OS 10 to IGEL OS 11](#).

If you are using the IGEL Cloud Gateway (ICG), you also must convert your ICG licenses. The licenses will be converted from ICG licenses to Enterprise Management (EMP) licenses. For instructions, see [Converting ICG Licenses to Enterprise Management Pack \(EMP\) Licenses](#)(see page 214).

- i Once a Product Pack is converted to a Workspace Edition Product Pack, it can not be converted back again.

To convert UDC3 or UD Pocket subscriptions:

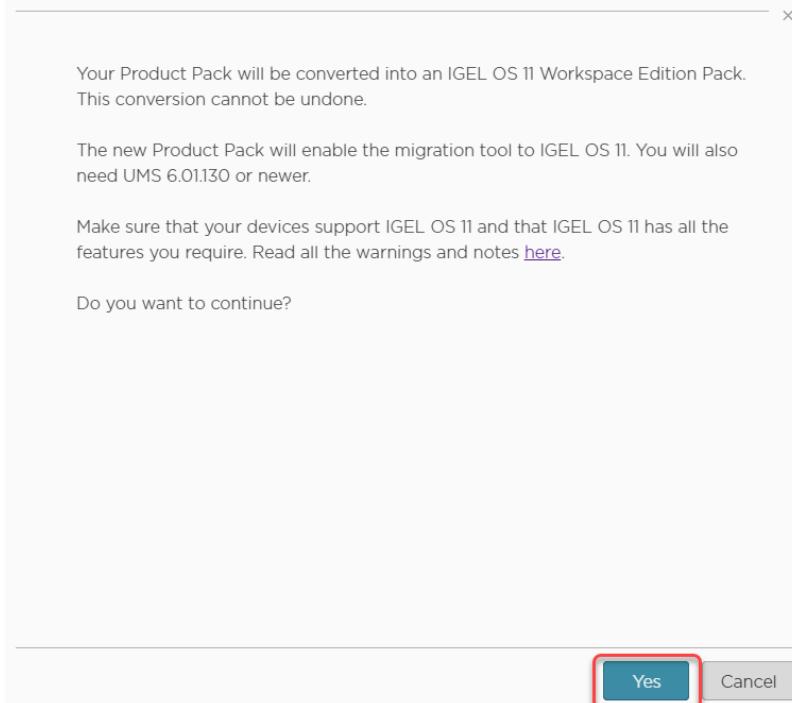
1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²⁴. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to convert.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Convert to WE**.

The screenshot shows the 'SAM' product pack details. The 'Subscription ID' is 'SAM-EVRQN'. The 'Activation key' is '0816-bfeb-b937-13c9-6812'. The 'Product' section has a button labeled 'Convert into WE' which is highlighted with a red box. The status is 'ACTIVATED' with 1/1 units activated on 2020-07-17.

²⁴ <https://activation.igel.com/>



5. Read and confirm the warning dialog.



The newly converted Product Pack is shown. The hardware has been moved from the original Product Pack to the WE Product Pack. The original Product Pack is archived.

A screenshot of a software interface showing product pack details. On the left, there's a sidebar with a tree view showing a single node labeled "WE". The main area displays the following information:

- Maintenance ID: WE-FLUJN
- Comment: (empty)
- ALD Token: NOT SET
- Buttons: Generate ALD Token, Manage UMS Licensing IDs, Download, Show hardware, Remove hardware, Archive Product Pack.
- Status: ACTIVATED
- Counts: 1/1
- Date: 2020-07-17



6. Continue with deploying the licenses to the devices. For further information, see [Fully Automatic License Deployment with UMS ID](#)(see page 211) or [Manual License Deployment for IGEL OS](#)(see page 125), according to your deployment method.



Converting ICG Licenses to Enterprise Management Pack (EMP) Licenses

- ⓘ It is safe to convert ICG licenses to Enterprise Management Pack (EMP) licenses even if some of the devices connected to IGEL Cloud Gateway (ICG) continue operating with IGEL OS 10. The connections between the IGEL OS 10 devices and the ICG remain untouched.

To convert ICG licenses to Enterprise Management Pack (EMP) licenses:

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²⁵. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to convert.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Convert into EMP**.

The screenshot shows the IGEL License Portal (ILP) dashboard. On the left, there's a sidebar with a tree view showing 'ICG' expanded, with a 'Manage' option under it. To the right, there's a main panel for a product pack named 'ICG-FPZX3'. The panel includes fields for 'Subscription ID' (set to 'ICG-FPZX3'), 'Comment' (empty), 'Activation key' (set to '0516-8a8b-1b02-9332-d043'), 'License file' (with a 'Download' button), 'Hardware' (with a 'Show hardware' button), 'Archive' (with a 'Archive product pack' button), and a 'Product' section. Within the 'Product' section, there's a button labeled 'Convert into EMP' which is highlighted with a red rectangular border. At the bottom of the panel, there are status indicators: 'ACTIVATED' (with a gear icon), '5 (1/1)' (with a lock icon), and the date '2020-02-01' (with a calendar icon).

²⁵ <https://activation.igel.com/>



5. Read and confirm the warning dialog.

x

Your ICG Product Pack will be converted into an IGEL OS 11 Enterprise Management Pack (EMP). This conversion cannot be undone.

In order to use the new pack you will need IGEL OS 11.01.100 or newer and UMS 6.01.130 or newer.

Make sure that your devices support IGEL OS 11 and that IGEL OS 11 has all the features you require. Read all the warnings and notes [here](#).

Do you want to continue?

Yes

Cancel

The newly converted Product Pack is shown. The hardware has been moved from the original



Product Pack to the EMP Product Pack. The original Product Pack is archived.

EMP

Manage

Subscription ID: **EMP-P1VRQ**

Comment:

ALD Token: **NOT SET**

UMS Licensing IDs:

Hardware:

Archive:

Split:

ACTIVATED 0/5 2020-02-01

6. Continue with deploying the licenses to the devices. For further information, see [Fully Automatic License Deployment with UMS ID](#)(see page 214) or [Manual License Deployment for IGEL OS](#)(see page 125), according to your deployment method.



Renewing a Maintenance / Subscription in the IGEL License Portal (ILP)

When your IGEL software license order has been processed, you receive a notification e-mail from the IGEL Support team. You can then go to the IGEL License Portal (ILP) and redeem your renewals.

The procedure for renewing a maintenance for a perpetual license is the same as the procedure for renewing a non-perpetual license.

The following cases are described below:

- Typical case: You have ordered a renewal for all licenses that belong to a Subscription Key. In this case, no further action is required. To check if the renewal has been applied correctly, proceed with [Typical Renewal\(see page 217\)](#).
- When you have ordered renewals for only a subset of licenses, please note that you can only renew all licenses in a Product Pack, not just part of them. Hence, the procedure depends on how your licenses are organized:
 - If your licenses are already organized appropriately, so that no Product Pack contains licenses that are to be renewed as well as licenses that should not be renewed, proceed with [Renewal that Comprises Only Some Product Packs\(see page 219\)](#).
 - If there are Product Packs that contain licenses that are to be renewed as well as licenses that are not to be renewed, you must split those Product Packs accordingly. For instructions, see [Splitting an IGEL Product Pack\(see page 227\)](#) Afterward, proceed with [Renewal that Comprises Only Some Product Packs\(see page 219\)](#).

Typical Renewal/Migration

When you have ordered a renewal for all Product Packs that belong to a Subscription Key, no further action is required.

If you want to check your renewal:



1. Login to the ILP and go to **Subscription Keys**.

A screenshot of the IGEL License Portal's navigation menu. The menu items are: Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware, Subscription Keys (which is highlighted with a red box), Product Packs, Archived packs, and IGEL Knowledge Base.

2. On the **Subscription Keys** page, check the **Expiration Date** for the relevant Subscription Key.

Subscription Keys

All Subscription Packs registered to IGEL Technology

Details	Subscription Key	Quantity	Start Date	Expiration Date	Status
⊕ 90M-[REDACTED]	90M-[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ EMP-[REDACTED]	EMP-[REDACTED]	4	2021-08-01	2022-12-31	BOOKED
⊕ EMP-[REDACTED]	EMP-[REDACTED]	1			BOOKED_ILP
⊕ ERP-[REDACTED]	ERP-[REDACTED]	4	2021-08-01	2022-07-01	BOOKED
⊕ PWT-[REDACTED]	PWT-[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ TER-[REDACTED]	TER-[REDACTED]	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕ TER-[REDACTED]	TER-[REDACTED]	5	2021-07-06	2022-07-06	BOOKED_ILP
⊕ WE-[REDACTED]	WE-[REDACTED]	3		2023-07-01	BOOKED
⊕ WE-[REDACTED]	WE-[REDACTED]	4		2023-07-01	BOOKED



Renewal/Migration that Comprises Only Some Product Packs

1. Login to the ILP and go to **Subscription Keys**.

The screenshot shows the left sidebar of the IGEL License Portal. At the top is the portal name 'IGEL License Portal'. Below it is a user profile icon and the email '@igel.com'. The sidebar contains several menu items with corresponding icons: Home (house), Orders (document), Co-Term/Renewal (wallet), UMS Licensing ID (key), Search hardware (magnifying glass), Subscription Keys (key icon), Product Packs (gear), Archived packs (gear), and IGEL Knowledge Base (question mark). The 'Subscription Keys' item is highlighted with a red rectangular box.

2. If your license renewal is also a license migration to COSMOS PAS: Check if the number of EMP licenses within the relevant Subscription Key is at least as high as the number of licenses you want to renew/migrate. If not, you have to create EMP licenses from the WE licenses within your Subscription Key. For instructions, see [Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack](#)(see page 266).
3. On the **Subscription Keys** page, click **Redeem Renewal** (only clickable if you have a renewal to redeem).

The screenshot shows the 'Subscription Keys' page with the heading 'All Subscription Packs registered to IGEL Technology'. Below the heading is a search bar labeled 'Search pack' and a red rectangular box around the 'Redeem Renewal' button. A table follows, with columns: Details, Subscription Key, Quantity, Start Date, Expiration Date, and Status. The table contains six rows of data. The 'Redeem Renewal' button is located at the top right of the table area.

Details	Subscription Key	Quantity	Start Date	Expiration Date	Status
⊕	1234567890	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	1234567890	1			BOOKED_ILP
⊕	1234567890	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	1234567890	1	2021-07-02	2022-07-02	BOOKED_ILP
⊕	1234567890	5	2021-07-06	2022-07-06	BOOKED_ILP
⊕	1234567890	3		2023-07-01	OPEN



4. Select the renewal you want to redeem and click **Next**.

Redemption of open Renewals X

Please select a renewal you want to redeem:

RENEWAL

Cancel Back Next Finish

5. Select the Product Packs you want to renew. Please note that the Product Pack's number of licenses must match the renewals' number of licenses.

i If none of your Product Packs reflects the number of licenses you want to renew, you need to split your licenses accordingly before redeeming the renewal.



When you are done, click **Finish**.

Redemption of open Renewals X

Please select the product packs which should be extended:

Volume: 3 seats

Please select:

	Product Pack ID	Status	Seats
<input type="checkbox"/>	[REDACTED]	ACTIVATED	3
<input checked="" type="checkbox"/>	[REDACTED]	ACTIVATED	3
<input type="checkbox"/>	[REDACTED]	MERGED	0
<input type="checkbox"/>	[REDACTED]	MERGED	0
<input type="checkbox"/>	[REDACTED]	MERGED	0

3 of 3 seats selected

[Cancel](#) [Back](#) [Next](#) Finish

The selected Product Packs are renewed. The Product Packs that were associated with the same Subscription Key but have not been renewed are decoupled from the Subscription Key. As long as they have not reached their expiration date, they can be still used. But it is not possible to assign them back to the Subscription Key or renew them. On the **Product Packs** page, you can identify these Product Packs by the missing Subscription Key:

WE

+ Manage

ACTIVATED

Expiration date: 2022-07-01

0/3

A screenshot of the Product Packs page. It shows a single item: "WE" (Subscription Key), status "ACTIVATED", and an expiration date of "2022-07-01". The count "0/3" indicates there are no other items. A red box highlights the empty search bar.



Moving Licenses between Product Packs

You can move a license from one Product Pack to another by removing the license in one Product Pack and adding the license to another. The Product Packs must be of the same type; for instance, a license can be moved from one Enterprise Management Pack to another Enterprise Management Pack, but not from an Enterprise Management Pack to a Workspace Edition Product Pack.

Removing the License from Product Pack A

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²⁶. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack from which you want to move a license to another Product Pack.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Remove hardware**.

The screenshot shows the IGEL License Portal (ILP) dashboard. On the left, there's a sidebar with a tree view showing 'EMP' expanded, with 'Manage' selected. The main area displays the following information for the 'EMP-R9HXH' product pack:

- Subscription ID:** EMP-R9HXH
- Comment:** (empty input field)
- ALD Token:** NOT SET
- UMS Licensing IDs:** (button to Manage UMS Licensing IDs)
- License file:** (button to Download)
- Hardware:** (button to Show hardware)
- Add hardware** (button)
- Remove hardware** (button, highlighted with a red box)
- Archive:** (button to Archive product pack)
- Split:** (button to Split product pack)

At the bottom, there are status indicators: **ACTIVATED**, **1/10**, and **2020-01-24**.

²⁶ <https://activation.igel.com/>



5. Select the device whose license you want to move, confirm I have read T&C..., and click OK.

EMP-R9HXH - Remove hardware

Remove hardware
Select the hardware you want to remove.

Search hardware	x	
Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK Cancel

The license count of the Product Pack is decreased by 1. The license of the device can be added to another Product Pack.

EMP EMP-R9HXH

- Manage
- Subscription ID:
- Comment:
- ALD Token:
- Generate ALD token
- UMS Licensing IDs: [Manage UMS Licensing IDs](#)
- Hardware: [Show hardware](#)
- [Add hardware](#)
- [Remove hardware](#)
- Archive: [Archive product pack](#)
- Split: [Split product pack](#)
- ACTIVATED 0/10 2020-01-24



Assigning the License to Product Pack B

1. Click **Add hardware**.

The screenshot shows the IGEL Licensing Portal interface for Product Pack B. At the top, it displays the product name "EMP" and its serial number "EMP-6QQZV". Below this, there are several configuration fields:

- Subscription ID:** EMP-6QQZV (with a copy icon)
- Comment:** (empty field with a pencil icon)
- ALD Token:** NOT SET (with a copy icon)
- Generate ALD token** (button)
- UMS Licensing IDs:** Manage UMS Licensing IDs (button)
- Hardware:** Show hardware (button)
- Add hardware** (button, highlighted with a red box)
- Remove hardware** (button)
- Archive:** Archive product pack (button)

At the bottom, status indicators show "NEW", "0/1", and "Duration: 1 Year(s)".



2. Click the symbol to add a unit ID.

EMP-6QQZV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (0/1)

Select hardware	Unit ID	Product

3. Enter the unit ID and click **OK**.

Add hardware

Product *

Unit ID *

The new device license is shown.

**4. Press OK.**

EMP-6QQZV - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (1/1)

Search hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

5. The license count of Product Pack B is increased by 1. The license is now contained in Product Pack B.

EMP EMP-6QQZV

Manage

Subscription ID:

Comment:

ALD Token:

UMS Licensing IDs:

License file:

Hardware:

Archive:

ACTIVATED 1/1 2020-02-13



Splitting an IGEL Product Pack

The typical use case for splitting a Product Pack is as follows: You want to renew some licenses. But the licenses are organized in such a way that licenses that are to be renewed and licenses you do not want to renew are contained in the same Product Pack. Thus, you need a method to separate those licenses which should be renewed from those which should be exempted from the renewal. This is done by splitting the Product Pack.

Splitting a Product Pack will result in two Product Packs.

Splitting a Product Pack requires the IGEL License Portal (ILP); the IGEL Universal Management Suite (UMS) can not be used for this purpose.

You can only split one Product Pack at a time; bulk processing is not possible.

i ICG Licenses Only in Multiples of 10

If you split a Product Pack that contains IGEL Cloud Gateway (ICG) licenses, the license count in the resulting Product Packs will always be a multiple of 10. Example: Your Product Pack has 90 licenses, and you want to halve it. As creating Product Packs with a count of 45 is not possible, you create one Product Pack with 50 licenses and one with 40 licenses.

Example: Separating Licenses for Renewal

In the following example, we will split those licenses that should not be renewed into a new Product Pack, so that the original Product Pack can be renewed.

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²⁷. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to split.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.

²⁷ <https://activation.igel.com/>



4. Click **Split product pack**.

A screenshot of a software interface titled "EMP" under "Manage". The "Product Pack ID" is listed as "EMP-W4PGC". Below it are fields for "Comment" (empty), "ALD Token" (NOT SET), and a "Generate ALD Token" button. A section for "UMS Licensing IDs" has a "Manage UMS Licensing IDs" button. Under "Delivery Token", there's a "Show Delivery Token" button. "License file" has a "Download" button. "Hardware" has a "Show hardware" button, followed by a "Remove hardware" button. "Archive" has an "Archive Product Pack" button. The "Split" section is highlighted with a red box around the "Split Product Pack" button. Other options include "Merge" (with "Merge with other Product Pack(s)" button) and "ACTIVATED" status with a "3/3" count and an expiration date of "2022-07-07".

The **Split product pack** dialog opens.

5. Specify the number of licenses that should be moved to the new Product Pack; in our example, these are the licenses that should not be renewed.



Split Product Pack

x

Select the number of slots to split into a new pack

 Split only empty slots

OK

Cancel

6. Select the licenses that should be moved to the new Product Pack.

Select the number of slots to split into a new pack

	Product	Hardware Value
<input checked="" type="checkbox"/>	UD, OSC	(
<input type="checkbox"/>	UD, OSC	
<input type="checkbox"/>	UD, OSC	

Search hardware X

» «

3 / 2

	Product	Hardware Value
<input type="checkbox"/>		

Search hardware X

0 / 1



Select the number of slots to split into a new pack

	Product	Hardware Value
<input type="checkbox"/>	UD, OSC	[REDACTED]
<input type="checkbox"/>	UD, OSC	[REDACTED]

	Product	Hardware Value
<input type="checkbox"/>	UD, OSC	[REDACTED]

>>
<<

2 / 2
1 / 1

OK
Cancel

The two Product Packs that result from the split are shown.

<div style="border: 1px solid #ccc; padding: 5px; display: flex; align-items: center;"> EMP EMP- EMP- </div> <p>+ Manage</p> <p>ACTIVATED</p> <p>2 / 2</p> <p>Expiration date: 2022-07-07</p>	<div style="border: 1px solid #ccc; padding: 5px; display: flex; align-items: center;"> EMP EMP- EMP- </div> <p>+ Manage</p> <p>ACTIVATED</p> <p>1 / 1</p> <p>Expiration date: 2022-07-07</p>
--	--

7. If you are using Automatic License Deployment (ALD): To check the results, open your UMS Console, go to **UMS Administration > Global Configuration > Licenses > Deployment** and click the refresh button.

Used proxy server

Connection test

Registered packs (information lastly updated on Jan 21, 2022 1:26:06 PM)

Pack ID	Product	Used lice...	Subscription status (expiration dat...	Status	Manual ...	Automa...	Automa...	Registration Error
WE-EI8KS	Worksp...	1/3	Activated (Expiration date: Jul 1, 20...	Active	Enabled	Enabled	No Con...	
WE-ZQR...	Worksp...	1/3	Activated (Expiration date: Jul 1, 20...	Active	Enabled	Enabled	No Con...	
EMP-W4...	Enterpri...	2/2	Activated (Expiration date: Jul 7, 20...	Active	Enabled	Enabled...	No Con...	
EMP-90...	Enterpri...	1/1	Activated (Expiration date: Jul 7, 20...	Active	Enabled	Enabled...	No Con...	

8. Continue with [Renewing a Maintenance / Subscription in the IGEL License Portal \(ILP\)](#)(see page 217), section "Renewal that Comprises Only Some Product Packs".



How to Merge IGEL Product Packs

You can merge an IGEL Product Pack with one or more IGEL Product Packs that belong to the same Subscription Key. Any hardware duplicates will be eliminated in the merge process.

The Product Packs that have been merged into the first Product Pack are archived; their status is **MERGED**.

Use Cases of Merging IGEL Product Packs

Co-termining

When co-termining is performed, the product packs from the Subscription Keys with the earlier expiry dates are moved to the Subscription Key with the latest expiry date. As these Product Packs now all belong to the same Subscription Key, you can merge them into one single Product Pack.

Renewal with additional licenses

If you order additional licenses together with a renewal, a new Product Pack is created. It might make sense to merge the new Product Pack with the already existing Product Pack.

Instructions

1. In the list of Product Packs, find the Product Pack you want to merge with others and click **Manage**.

i The new Product Pack that will result from the merge will inherit its Product Pack ID from this Product Pack.

A screenshot of the IGEL Licensing Portal's navigation menu. The menu items are: Home, Orders, Co-Term/Renewal, UMS Licensing ID, Search hardware, Product Packs, Archived packs, and IGEL Knowledge Base. The "Product Packs" item is highlighted with a red rectangular border.



Product Packs

All Product Packs Registered to IGEL Technology

All products ▾

All UMS Licensing IDs ▾

Search Product Pac

Filter by date

WE	WE-JSW1K	0/4
+ Manage		
ACTIVATED	Expiration date: 2022-07-01	

WE	WE-CBOXF	0/3
+ Manage		
ACTIVATED	Expiration date: 2022-07-01	

WE	WE-CBOXF	0/2
+ Manage		
ACTIVATED	Expiration date: 2022-07-01	

WE	WE-CBOXF	0/1
+ Manage		
ACTIVATED	Expiration date: 2022-07-01	

2. Click **Merge with other Product Pack(s)**.

WE

WE-CBOXF

WE-CBOXF

Manage

Maintenance ID: WE-CBOXF

Subscription Key: WE-CBOXF

Comment:

ALD Token: NOT SET

Generate ALD Token

UMS Licensing IDs: Manage UMS Licensing IDs

Delivery Token: Show Delivery Token

Hardware: Show hardware

Add hardware

Remove hardware

Archive: Archive Product Pack

Split: Split Product Pack

Merge: Merge with other Product Pack(s) (highlighted)

ACTIVATED 0/3

Expiration date: 2022-07-01



3. Select the Product Packs you want to merge with the current Product Pack and click **OK**.

Merge WE-CBOXF with other Product Pack(s) X

Select Product Pack(s) for the Subscription Key WE-CBOXF, who should be merged into WE-CBOXF.

<input type="checkbox"/>	Product Pack / Maintenance ID	Volume
<input checked="" type="checkbox"/>	WE-J8IPI	0/2
<input checked="" type="checkbox"/>	WE-EJTMY	0/1

OK Cancel



4. Review the confirmation dialog and if everything is correct, click **Yes**.

Merge with other Product Pack(s) X

Do you really want to merge the following product packs:

WE-CBOXF

WE-J8IPI

WE-EJTMY

New Product Pack ID: WE-CBOXF

Cancel

Yes

The new Product Pack is created.

All products ▼ All UMS Licensing IDs ▼ Search Product Pac X Filter by date

Product	Licensing ID	Status	Count	Expiration Date
WE	WE-JSWIK	ACTIVATED	0/4	Expiration date: 2022-07-01
WE-CBOXF	WE-CBOXF	ACTIVATED	0/6	Expiration date: 2022-07-01



Adding a Comment to a Product Pack

To organize your Product Packs, you can add a comment to each Product Pack.

To add or edit a comment:

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>²⁸.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack you want to add a comment to.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click to add a comment or edit an existing comment.

The screenshot shows the IGEL License Portal (ILP) interface. At the top, it displays the product pack details: UDC3-AK5Z3. Below this, there are several input fields and buttons:

- Subscription ID:** UDC3-AK5Z3 (with a copy icon)
- Comment:** An empty text area with a red box highlighting the edit button.
- Activation key:** 7316-7d01-b560-6493-c182 (with a copy icon)
- ALD Token:** eae33481-b845-491d-81af-b60012c50e7d (with a copy icon)
- Buttons:** Delete ALD Token, Manage UMS Licensing IDs, Show hardware, Add hardware, Remove hardware, Archive product pack.
- Status:** ACTIVATED, 0/1, 2019-12-21.

The **Edit comment** dialog opens.

²⁸ <https://activation.igel.com>



5. Enter your comment and click **OK**.

Edit comment X

OK Cancel

The comment is saved.

You can search for the comment using the text field **Search product pack:**

All products ▼ All UMS Licensing IDs ▼ X Filter by date



License Portability

You can move a license from one device to another device by removing it from device A and then assigning it to device B.

Feature Requires License

License portability requires a valid subscription. This applies to both IGEL OS 11 and IGEL OS 12. When the subscription expires, licenses cannot be moved between devices anymore.

Removing the License from Device A

1. Log in to the IGEL License Portal (ILP): <https://activation.igel.com>²⁹. If you have not registered yet, you must register first.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack from which you want to move a license to another device.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.

²⁹ <https://activation.igel.com/>



4. Click Remove hardware.

The screenshot shows the 'EMP' section of the IGEL Licensing Portal. The 'Hardware' section contains several buttons: 'Generate ALD token', 'Manage UMS Licensing IDs', 'Download', 'Show hardware', 'Add hardware', and 'Remove hardware'. The 'Remove hardware' button is highlighted with a red box.

5. Select the device from which you want to remove the license, confirm I have read T&C..., and click OK.

The dialog box title is 'EMP-R9HXH - Remove hardware'. It contains a table with one row, where the checkbox in the 'Select hardware' column is checked. At the bottom, there is a checkbox for accepting terms and conditions, and a red box highlights the 'OK' button.

Search hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:0B:CA:05:50:18	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK **Cancel**



The license count of the Product Pack is decreased by 1. The license is no longer valid for this device and can be assigned to another device.

EMP EMP-R9HXH

Manage

Subscription ID: **EMP-R9HXH**

Comment:

ALD Token: NOT SET

Generate ALD token

UMS Licensing IDs: Manage UMS Licensing IDs

Hardware: Show hardware

Add hardware

Remove hardware

Archive: Archive product pack

Split: Split product pack

ACTIVATED **0/10** 2020-01-24

A red box highlights the "0/10" status indicator.



Assigning the License to Device B

1. Click **Add hardware**.

EMP EMP-R9HXH

Manage

Subscription ID:

Comment:

ALD Token:

UMS Licensing IDs:

Hardware:

Archive:

Split:

ACTIVATED 0/10 2020-01-24



2. Click the symbol to add a unit ID.

EMP-R9HXH - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

▲ Drag & Drop

Add hardware

Select the hardware you want to add.

New hardware: (0/10)

Select hardware	Unit ID	Product

3. Enter the unit ID and click **OK**.

Add hardware

Product *

Unit ID *

The new device license is shown.

**4. Press **OK**.**

EMP-R9HXH - Add hardware

Upload

Choose or drag & drop a CSV file with a hardware list that will be uploaded. The hardware list will be processed and prepared for adding as new hardware.

 Drag & Drop Upload**Add hardware**

Select the hardware you want to add.

New hardware: (1/10)

Select hardware	Unit ID	Product
<input checked="" type="checkbox"/>	00:E0:C5:1C:50:87	UD, OSC

OK Cancel



5. The license count of the Product Pack is increased by 1. The license is now assigned to the new device.

The screenshot shows the IGEL Licensing Portal interface for a product pack named "EMP-R9HXH". The main area displays various configuration options and status indicators. At the bottom, a summary shows "ACTIVATED" status with a progress bar indicating "1/10" (one license activated out of ten). The date "2020-01-24" is also shown next to the progress bar. The entire "1/10" text is highlighted with a red rectangular box.

Category	Value
Subscription ID:	EMP-R9HXH
Comment:	(empty)
ALD Token:	NOT SET
Generate ALD token	
UMS Licensing IDs:	Manage UMS Licensing IDs
License file:	Download
Hardware:	Show hardware
Add hardware	
Remove hardware	
Archive:	Archive product pack
Split:	Split product pack
ACTIVATED	1/10
	2020-01-24



Checking the Result

1. On the management dialog of your Product Pack, click **Show hardware**.

The screenshot shows the management dialog for a Product Pack named "EMP". The dialog includes fields for Subscription ID (set to "EMP-R9HXH"), Comment (empty), and ALD Token (set to "NOT SET"). It also includes buttons for generating an ALD Token, managing UMS Licensing IDs, downloading a license file, and managing hardware. The "Hardware" section is highlighted with a red box around the "Show hardware" button. At the bottom, status information shows the product is ACTIVATED, page 1/10, and the date 2020-01-24.

	EMP		EMP-R9HXH
Manage			
	Subscription ID:	EMP-R9HXH	
	Comment:		
	ALD Token:	NOT SET	
Generate ALD Token			
	UMS Licensing IDs:	Manage UMS Licensing IDs	
	License file:	Download	
	Hardware:	Show hardware	
Add hardware			
Remove hardware			
	Archive:	Archive Product Pack	
	Split:	Split Product Pack	
	ACTIVATED		1/10
	2020-01-24		



2. Check the symbols under **Activated**. means that the hardware is activated; means that the hardware is deactivated.

EMP-R9HXH	
Hardware	Activated
00:0B:CA:05:50:18	<input type="checkbox"/>
00:E0:C5:1C:50:87	<input checked="" type="checkbox"/>



Working with UMS IDs

The UMS ID is required by the enhanced Automatic License Deployment (ALD) feature that has been introduced with IGEL OS 11.

In opposition to the legacy ALD which uses ALD Tokens (see [How to Set Up and Use Automatic License Deployment \(ALD\)](#)), registering your UMS ID on the IGEL Licensing Portal once saves you transferring an ALD Token for every single Product Pack.

You can perform the following actions with UMS IDs and Product Packs:

- [Assigning a Product Pack](#)(see page 248)
- [Reviewing the Certificate](#)(see page 251)
- [Editing the UMS Licensing ID](#)(see page 253)
- [Reviewing the Assigned Product Packs](#)(see page 256)
- [Unassigning a Product Pack](#)(see page 258)

If you do not have a UMS ID at your disposal yet, or your UMS ID is not registered with the IGEL Licensing Portal yet, see the following instructions:

- [Obtaining Your UMS ID](#)(see page 65)
- [Registering Your UMS ID](#)(see page 67)



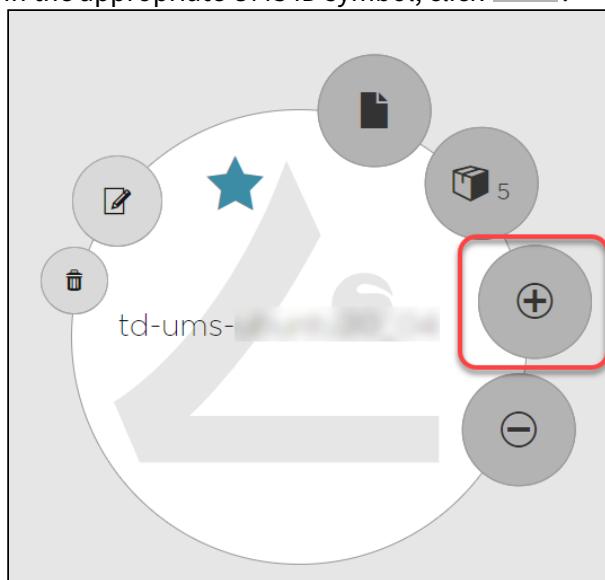
Assigning a Product Pack

1. If you are not already on the **UMS ID** page, select **UMS ID**. Otherwise, go to step 2 (see page 248).



On the **UMS ID** page, your registered UMS IDs are shown.

2. In the appropriate UMS ID symbol, click .





3. Select the Product Packs to which you want to assign the UMS ID and click **OK**.

Assign Product Packs

To assign Product Packs to the UMS ID, select them and click OK.

	Product	Product Pack ID	Subscription Key	Volume	Status	Action
<input type="checkbox"/>	TER	TER-I [REDACTED]	TER-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	AWD	AWD-[REDACTED]		3/10	ACTIVATED	
<input checked="" type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	2/4	ACTIVATED	
<input type="checkbox"/>	EMP	EMP-I [REDACTED]	EMP-[REDACTED]	0/1	NEW	
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	TER	TER-[REDACTED]	TER-[REDACTED]	2/5	ACTIVATED	
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	0/1	ACTIVATED	
<input type="checkbox"/>	AWD	AWD-[REDACTED]		0/10	ACTIVATED	

The "WE" row is selected and highlighted with a red border. The "OK" button at the bottom right is also highlighted with a red border.

The Product Packs are assigned to the UMS ID. The licenses contained in this Product Pack are immediately available to the UMS.

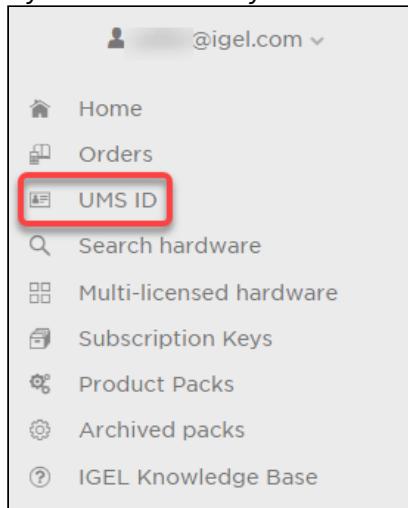


To review the licenses that are available to the UMS, go to **UMS Administration > Global Configuration > Licenses > Deployment** and click .



Reviewing the Certificate

1. If you are not already on the **UMS ID** page, select **UMS ID**. Otherwise, go to Step 2.



On the **UMS ID** page, your registered UMS IDs are shown.

2. In the appropriate UMS ID symbol, click .





The certificate information is shown.

Certificate - td-ums-ubuntu20_04 X

Version	3
Serial	[REDACTED]
Issuer	
Common Name	IGEL Remote Manager
Organization	Remote Manager Development
Organizational unit	IGEL Technology GmbH
Subject	
Common Name	IGEL Remote Manager
Organization	Remote Manager Development

OK



Editing the UMS Licensing ID

You can change the name of an UMS Licensing ID and the certificate which constitutes the UMS Licensing ID. Changing the name to a meaningful name can be useful if you have multiple UMS installations, and therefore multiple UMS Licensing IDs. Changing the certificate enables you to retain all Product Pack assignments when you migrate your UMS. For instructions on how to get the certificate from the UMS, see [Obtaining Your UMS ID](#)(see page 65).

To edit a UMS Licensing ID:

1. If you are not already on the **UMS Licensing ID** page, select **UMS Licensing ID**. Otherwise, go to [step 2](#)(see page 0).

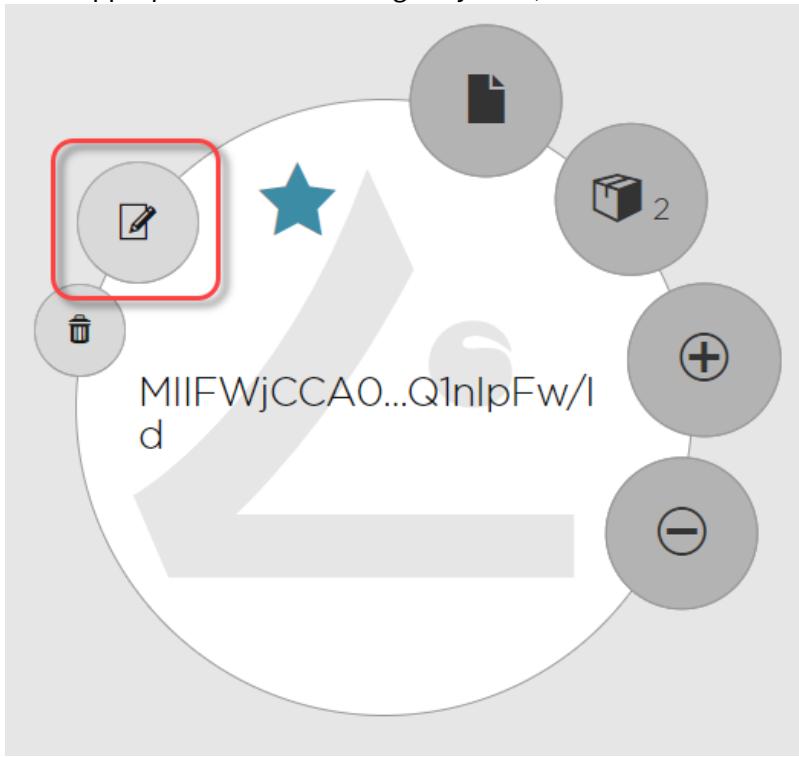
A screenshot of the IGEL License Portal navigation menu. At the top, it says "IGEL License Portal" and shows a user profile for "saller@igel.com". Below the header, there is a sidebar menu with the following items:

- Home
- Orders
- UMS Licensing ID** (this item is highlighted with a red rectangle)
- Search hardware
- Product Packs
- Archived packs
- IGEL Knowledge Base

On the **UMS Licensing ID** page, your registered UMS Licensing IDs are shown.



2. In the appropriate UMS Licensing ID symbol, click .



3. To change the name, edit the field **UMS Licensing ID Name**.

Edit UMS Licensing ID

UMS Licensing ID Name *

Change UMS Licensing ID

OK Cancel



4. To change the certificate, click **Change UMS Licensing ID**, upload the new certificate and click **OK**.

Edit UMS Licensing ID X

UMS Licensing ID Name *

MIIFWjCCAO...Q1nlpFw/Id

Change UMS Licensing ID

Upload

Choose or drag & drop a UMS Licensing ID to be uploaded.

Drag & Drop Upload

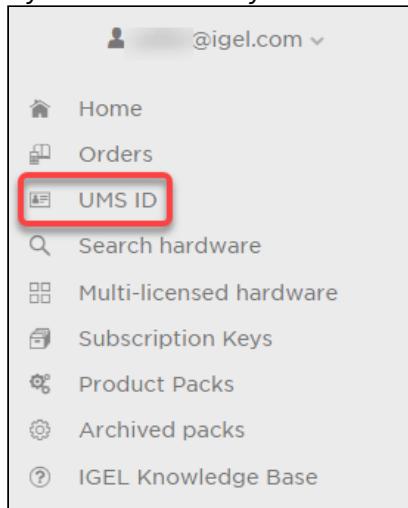
OK

Cancel



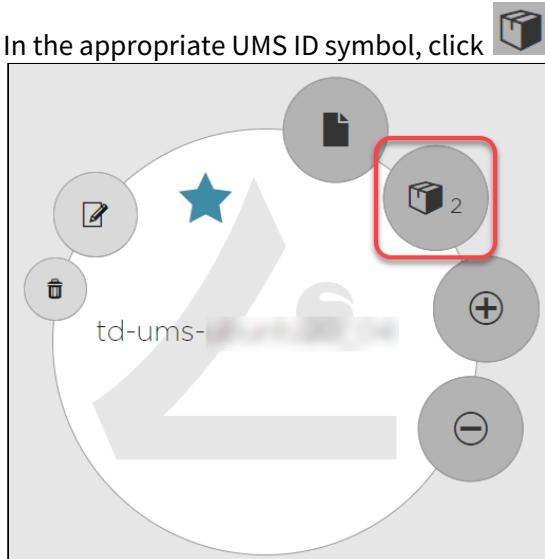
Reviewing the Assigned Product Packs

1. If you are not already on the **UMS ID** page, select **UMS ID**. Otherwise, go to step 2 (see page 256).



On the **UMS ID** page, your registered UMS IDs are shown.

2. In the appropriate UMS ID symbol, click .





The Product Packs assigned to this UMS ID are shown.

Assigned Product Packs

Search packs X					
Product	Product Pack ID	Subscription Key	Volume	Status	Activation D
WE	WE-[REDACTED]	ERP-[REDACTED]	4/4	ACTIVATED	2021-10-12
WE	WE-[REDACTED]	WE-[REDACTED]	1/3	ACTIVATED	

OK

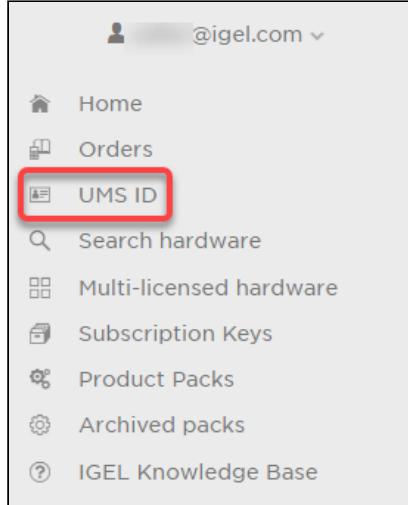


Unassigning a Product Pack

You can unassign, i.e. remove a Product Pack from a UMS ID. When a Product Pack is unassigned, the number of activated licenses will be retained.

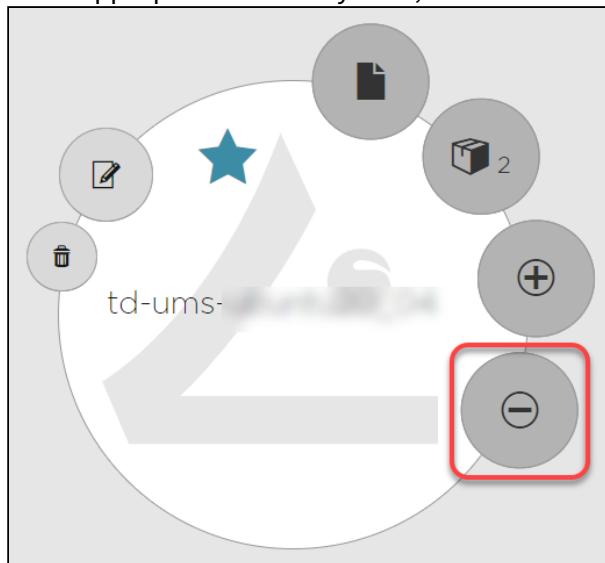
To unassign a Product Pack from a UMS ID:

1. If you are not already on the **UMS ID** page, select **UMS ID**. Otherwise, go to step 2 (see page 258).



On the **UMS ID** page, your registered UMS IDs are shown.

2. In the appropriate UMS ID symbol, click .





3. Select the Product Packs which you want to remove from this UMS ID and click **OK**.

Unassign Product Packs X

To unassign Product Packs from the UMS ID, select them and click OK.

	Product	Product Pack ID	Subscription Key	Volume	Status	Action
<input checked="" type="checkbox"/>	WE	WE-[REDACTED]	ERP-[REDACTED]	4/4	ACTIVATED	Delete
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	1/3	ACTIVATED	Delete

The Product Packs are removed from the UMS ID.

OK Cancel



To review the licenses that are available to the UMS, go to **UMS Administration > Global Configuration > Licenses > Deployment** and click .



Bulk Removing Hardware from a Product Pack

You can bulk remove any number of devices from a Product Pack by means of a list of unit IDs in CSV format.

Creating the Unit ID List

- ▶ Create the unit ID list following the instructions under [Creating a Unit ID List for IGEL OS](#)(see page 126).

Uploading the Unit ID List

1. Log in to the IGEL License Portal (ILP) at <https://activation.igel.com>³⁰.
Your dashboard is shown.
2. In the list of Product Packs, find the Product Pack from which you want to move a license to another Product Pack.
3. Click in the appropriate list entry to open the management dialog.
The management dialog opens.
4. Click **Remove hardware**.

The screenshot shows the 'WE' Product Pack management dialog. The 'Hardware' section is highlighted with a red box around the 'Remove hardware' button. Other visible buttons include 'Show hardware', 'Archive Product Pack', and 'Split Product Pack'.

³⁰ <https://activation.igel.com/>



5. In the **Remove hardware** dialog, drag and drop the CSV file on the **Drag & Drop** area or use the **Upload** button; afterward, click **OK**.

The screenshot shows the "Remove hardware" dialog window. At the top, it says "WE-VHCYF - Remove hardware". Below that is a section titled "Remove hardware" with the instruction "Choose or drag & drop a CSV file with a hardware list that will be uploaded. After that, you can remove the hardware." A large dashed rectangular area is labeled "Drag & Drop" with a small icon of a hand holding a file. To the right of this area is a red-bordered "Upload" button. Below this section is a table titled "Search hardware" with columns for "Select hardware", "Unit ID", and "Product". Two rows of hardware are listed, each with a checkbox next to the "Select hardware" column. The first row has a Unit ID of "00:E0:C5:1C:50:87" and a Product of "UD, OSC". The second row has a Unit ID of "00:E0:C5:11:43:A5" and a Product of "UD, OSC". At the bottom right of the dialog are two buttons: a red-bordered "OK" button and a "Cancel" button.

6. Review the **Data Summary** dialog and click **OK**.

The screenshot shows the "Data Summary" dialog window. At the top, it says "Data Summary". Below that is a message: "2 data records read in uploaded file "removeHardware.csv". 0 are detected as invalid hardware. 2 are detected as valid hardware. 2 are selected to remove." At the bottom right of the dialog is a red-bordered "OK" button.

7. Review the **Remove hardware** dialog, confirm that you have read the Terms and Conditions and click **OK**.



WE-VHCYF - Remove hardware

Remove hardware
Select the hardware you want to remove.

Search hardware	Unit ID	Product
Select hardware	00:E0:C5:1C:50:87	UD, OSC
	00:E0:C5:11:43:A5	UD, OSC

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware listed above and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK Cancel

The management dialog for the Product Pack shows the new number of licenses that are in use.

WE
WE-VHCYF

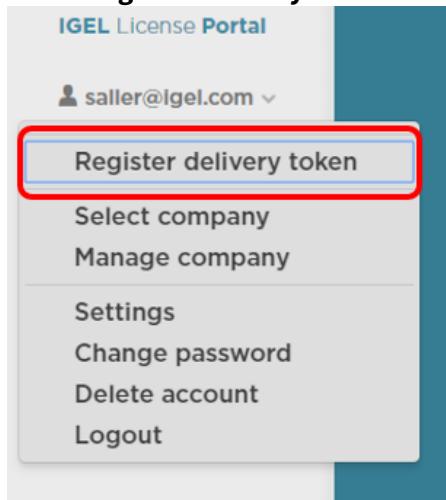
- Manage
- Maintenance ID:
- Comment:
- ALD Token:
- Generate ALD Token
- UMS Licensing IDs: Manage UMS Licensing IDs
- Hardware: Show hardware
- Add hardware
- Remove hardware
- Archive: Archive Product Pack
- Split: Split Product Pack

2021-09-24 ACTIVATED 0/2



Redeeming a Delivery Token (Legacy)

1. Log in to the IGEL License Portal at (ILP) <https://activation.igel.com>³¹. If you have not registered yet, you must register first.
After login, your dashboard is shown.
2. Select **Register delivery token**.



3. Enter the Delivery Token you received from your reseller.

Register delivery token + ×

Please enter your delivery token.

DLV-ONMUE

I have read and agree to the [licence terms](#) stated in the EULA.

4. Confirm the EULA and click **Send**.

³¹ <https://activation.igel.com/>



Register delivery token

Please enter your delivery token.

send

I have read and agree to the [licence terms](#) stated in the EULA.

The page **Order Details** is shown. It contains one or more Product Packs which are identified by Product Pack IDs.



Using IGEL OS 11 with Cosmos PAS: Creating an EMP Product Pack from a WE Product Pack

When you have purchased Cosmos PAS for IGEL OS 11 devices, you may need to provide them explicitly with EMP licenses to enable all features.

You can use the IGEL License Portal (ILP) to create EMP Product Packs from the WE Product Pack you have purchased with Cosmos PAS.

To create an EMP Product Pack:

1. Log in to the ILP and go to **Subscription Keys**.

A screenshot of the ILP navigation menu. The menu items include Home, Orders, UMS ID, Search hardware, Multi-licensed hardware, Subscription Keys (which is highlighted with a red box), Product Packs, Archived packs, and IGEL Knowledge Base.

2. Open the details for the relevant Subscription Key.

A screenshot of the ILP Subscription Keys table. The table has columns for Details, Subscription Key, Quantity, Start Date, Expiration Date, and Status. One row is selected for editing, indicated by a red box around the plus sign icon in the Details column. The data in the table is as follows:

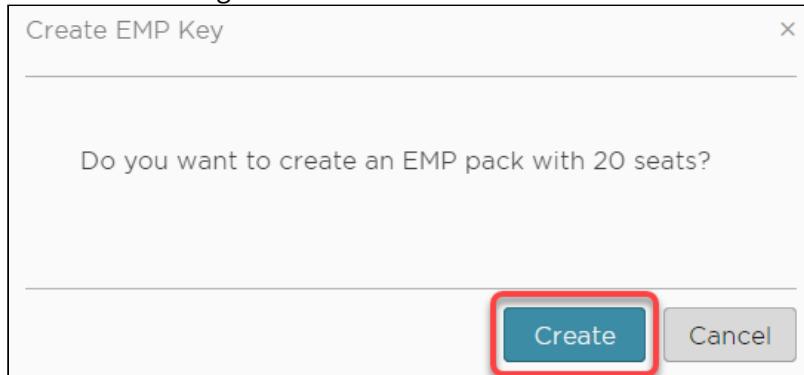
Details	Subscription Key	Quantity	Start Date	Expiration Date	Status
⊕	[REDACTED]	1		2023-05-15	BOOKED
⊕	[REDACTED]	20	2021-04-29	2025-07-14	BOOKED
⊕	[REDACTED]	20	2021-04-29	2025-07-14	BOOKED
⊕	[REDACTED]	20	2021-04-29	2025-07-14	BOOKED
⊕	[REDACTED]	3		2023-07-01	BOOKED
⊕	[REDACTED]	4		2023-07-01	BOOKED
⊕	[REDACTED]	1		2023-05-15	BOOKED



3. Click **Create EMP**.

A screenshot of the IGEL Licensing Portal interface. At the top, there are fields for Subscription Key (containing a blurred value), Start date (2021-04-29), and Expiration date (2025-07-14). Below these are Status (BOOKED) and Quantity (20) fields. To the right of the quantity field are Refresh and Create EMP buttons, with the latter being highlighted by a red rectangle. Below these fields is a section titled "+ Manage" with icons for a key and a lock. Underneath this are two status indicators: "EULA NOT ACCEPTED" (with a red circle and exclamation mark icon) and "Activation date: 2023-01-16" followed by an arrow icon and "Expiration date: 2025-07-14".

4. Confirm the dialog.



The EMP Product Pack is created.

A screenshot of the IGEL Licensing Portal interface, similar to the previous one but showing the results of the creation. The "Create EMP Key" dialog has been closed. The main interface now shows the newly created product pack under the "+ Manage" section. This section includes an icon for "EMP", a key and lock icon, and the text "EMP-". Below this are the same status indicators as before: "EULA NOT ACCEPTED" and "Activation date: 2021-04-29" followed by an arrow icon and "Expiration date: 2025-07-14".



Multi-Licensed Hardware Cleanup for IGEL OS Devices

If both automatic and manual methods of license deployment have been used, it may happen that some endpoint devices occupy more licenses than necessary. This would, of course, prevent those licenses from being used by other devices. You can use the IGEL License Portal (ILP) to identify multi-licensed hardware and then perform an automatic or manual cleanup.

When the cleanup is done, the hardware, identified by its device ID, is decoupled from the surplus licenses so that those licenses can be assigned to other devices.

Automatic Cleanup

The automatic cleanup removes multi-licensed hardware from all Product Packs except the Product Pack with the latest expiration date.

1. Log in to the ILP and go to **Multi-licensed hardware**.

A screenshot of the IGEL License Portal (ILP) navigation menu. The menu items are: Home, Orders, UMS ID, Search hardware, Multi-licensed hardware (which is highlighted with a red box), Subscription Keys, Product Packs, Archived packs, and IGEL Knowledge Base.

On the **Multi-licensed hardware** page, the number of endpoint devices that have surplus licenses and the number of licenses that can be cleared is shown.



Multi-licensed hardware

- 1 endpoints are licensed multiple times
- 2 licenses can be cleared

Automatic cleanup

Manual cleanup

Select multi-licensed hardware

(WE)

<input type="checkbox"/>	Manage	Product	Product Pack ID	Subscription Key	Status	Activation date	Expiration date	Volume
<input type="checkbox"/>		WE	WE-[REDACTED]		ACTIVATED	2023-01-12	2024-01-18	1/50
<input type="checkbox"/>		WE	WE-[REDACTED]	ERP [REDACTED]	ACTIVATED	2021-10-22	2023-07-01	4/4
<input type="checkbox"/>		WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-07-01	2/3

Remove hardware



2. Click Automatic cleanup.

Multi-licensed hardware

- 1 endpoints are licensed multiple times
- 2 licenses can be cleared

* Automatic cleanup

Manual cleanup

Select multi-licensed hardware

	Manage	Product	Product Pack ID	Subscription Key	Status	Activation date	Expiration date	Volume
<input type="checkbox"/>	⊕	WE	WE-[REDACTED]		ACTIVATED	2023-01-12	2024-01-18	1/50
<input type="checkbox"/>	⊕	WE	WE-[REDACTED]	ERP [REDACTED]	ACTIVATED	2021-10-22	2023-07-01	4/4
<input type="checkbox"/>	⊕	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-07-01	2/3

Remove hardware

3. Make sure that the automatic cleanup is the right procedure for your situation and review the [Terms & Conditions](#)³². If you are sure, confirm the dialog.

Automatic Cleanup

The cleanup removes multi-licensed hardware from all product packs except the product pack with the longest expiration date.

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the old hardware and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK Cancel

The cleanup is performed.

³² <https://www.igel.com/terms-conditions/>



Manual Cleanup

With the manual cleanup procedure, you review each endpoint device one by one and decide from which Product Packs you want to remove it.

1. Log in to the ILP and go to **Multi-licensed hardware**.

A screenshot of the IGEL Licensing Portal (ILP) navigation menu. The menu items include Home, Orders, UMS ID, Search hardware, Multi-licensed hardware (which is highlighted with a red box), Subscription Keys, Product Packs, Archived packs, and IGEL Knowledge Base.

On the **Multi-licensed hardware** page, the number of endpoint devices that have surplus licenses and the number of licenses that can be cleared is shown.

A screenshot of the 'Multi-licensed hardware' page. At the top, there is a message box containing two bullet points: '1 endpoints are licensed multiple times' and '2 licenses can be cleared'. Below this is a button labeled 'Automatic cleanup'. The main area is titled 'Manual cleanup' and contains a table titled 'Select multi-licensed hardware'. The table has columns for Manage, Product, Product Pack ID, Subscription Key, Status, Activation date, Expiration date, and Volume. There are four rows of data:

Manage	Product	Product Pack ID	Subscription Key	Status	Activation date	Expiration date	Volume
<input type="checkbox"/>	WE	WE-[REDACTED]		ACTIVATED	2023-01-12	2024-01-18	1/50
<input type="checkbox"/>	WE	WE-[REDACTED]	ERP [REDACTED]	ACTIVATED	2021-10-22	2023-07-01	4/4
<input type="checkbox"/>	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-07-01	2/3

At the bottom of the table is a button labeled 'Remove hardware'.



2. Under **Select multi-licensed hardware**, select the endpoint device you want to remove from the surplus Product Packs, and then select the Product Packs to be removed.

	Manage	Product	Product Pack ID	Subscription Key	Status	Activation date	Expiration date	Volume
<input type="checkbox"/>	⊕	WE	WE-[REDACTED]		ACTIVATED	2023-01-12	2024-01-18	1/50
<input checked="" type="checkbox"/>	⊕	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-07-01	2/3
<input checked="" type="checkbox"/>	⊕	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-05-15	1/1

Remove hardware

3. Click **Remove hardware**.

	Manage	Product	Product Pack ID	Subscription Key	Status	Activation date	Expiration date	Volume
<input type="checkbox"/>	⊕	WE	WE-[REDACTED]		ACTIVATED	2023-01-12	2024-01-18	1/50
<input checked="" type="checkbox"/>	⊕	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-07-01	2/3
<input checked="" type="checkbox"/>	⊕	WE	WE-[REDACTED]	WE-[REDACTED]	ACTIVATED		2023-05-15	1/1

Remove hardware

4. Review the selected hardware, the Product Packs from which it should be removed, and the [Terms & Conditions³³](#). When you are sure, confirm the dialog.

³³ <https://www.igel.com/terms-conditions/>



Remove multi-licensed hardware

Selected hardware: 00:50:56:93:0C:AD
will be removed from following Product Pack(s)
• WE-ZQR6S
• WE-01LQF

I have read [T&C](#) and I hereby confirm that I have deleted the IGEL software, including the delivered licenses, from the selected hardware and have not made or kept any copy or data backup thereof, or forwarded the software to any third parties.

OK **Cancel**

The cleanup is performed for the selected endpoint device.

5. Repeat steps 2 to 4 for the other endpoint devices, if available.



IGEL License Portal (ILP) Migration 2021

- ⓘ On April 22nd, 2021, IGEL will migrate the IGEL License Portal (ILP) and its infrastructure to a highly available and scalable cloud platform. While IGEL will keep service interruptions to a minimum, we advise our customers not to plan large rollouts of new licenses on April 22nd and 23rd.

The migration happens via three DNS entry changes. The propagation of these DNS changes throughout the internet can take from an hour to 72 hours.

DNS Name	Component	Old IP Address	New IP Address
activation.igel.com ³⁴	Web frontend for customers	194.76.156.73	Eastern US (for North America) 52.186.108.205 Western Europe (for rest of the world) 20.50.212.154
susi.igel.com	Interface for UMS Server	194.76.156.60	51.105.196.76

On your local workstation or UMS Server, you can flush the DNS cache with the following commands:

- **Windows Workstation:** ipconfig /flushdns - Powershell: Clear-DnsClientCache
- Windows DNS Server: dnscmd /clearcache - Powershell: Clear-DnsServerCache
- **Linux:** sudo /etc/init.d/nsqd restart
- Systemd Resolved (e.g. IGEL OS): sudo systemd-resolve --flush-caches
- DNSMasq: sudo systemctl restart dnsmasq.service
- Nscd: sudo systemctl restart nscd.service
- **Mac OS Sierra, El Capitan, Mavericks, Mountain Lion, Lion:** sudo killall -HUP mDNSResponder
- Mac OS X Yosemite: sudo discoveryutil udnsflushcaches
- Mac OS X Snow Leopard: sudo dscacheutil -flushcache
- Mac OS X Leopard and below: sudo lookupd -flushcache

Firewalling

If you restrict the internet access of the UMS server to certain IP addresses, make sure to allow 51.105.196.76, the new address of the SUSI service.

³⁴ <http://Activation.igel.com>



General Product Information

- [IGEL Product Lifecycle](#)(see page 276)
- [Software Releases Overview](#)(see page 281)
- [IGEL Naming Convention](#)(see page 283)
- [Support Policies for Connections to Third-Party Environments](#)(see page 295)



IGEL Product Lifecycle

IGEL always endeavors to offer customers a great user experience along with planning reliability and a product lifecycle process that customers can rely on. Due to the fact that products and licensing offers change over time and IGEL offers a wide software and hardware portfolio, this document is intended to clarify how the product lifecycle is defined at IGEL.

IGEL OS 11

IGEL guarantees **at minimum a full 3-year product lifecycle** for every major firmware release version starting with IGEL OS 11, which was initially released in February 2019.

Within this time period, IGEL provides 3 to 4 releases per year (minor releases), including

- new features, software clients, drivers, etc.
- bug and security fixes
- additional hardware support

End-of-Sale (EOS)

- IGEL OS 11 Perpetual license available until the end of November 2022
- IGEL OS 11 Subscription license available until March 2023
- IGEL OS 11 Workspace Edition Renewals (1 year and 2 years) available until December 2025

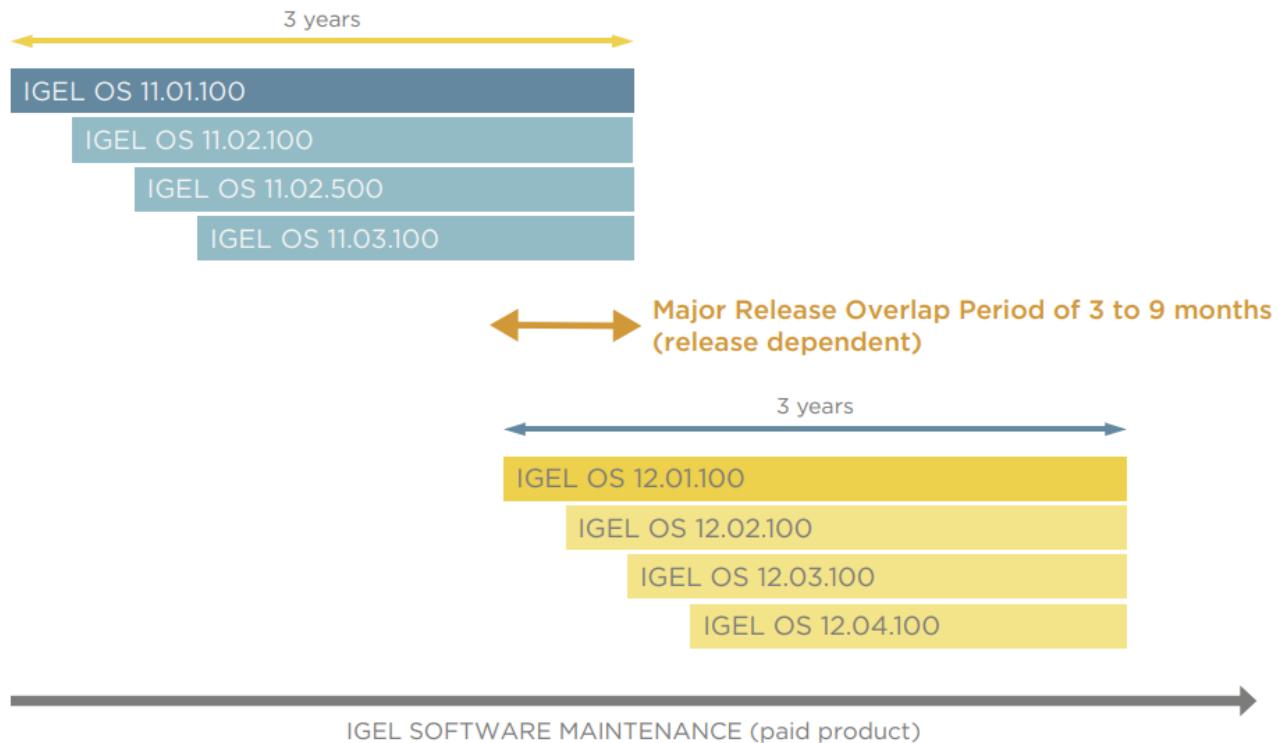
End-of-Life (EOL)

As soon as the product lifecycle of an IGEL major OS release is designated end-of-life (EOL), IGEL immediately ceases to provide any further software enhancements.

The customer has the choice to remain on that software version, but IGEL recommends upgrading to the next major release to benefit from all the latest advancements in the software.

IGEL Software Maintenance

An active IGEL software maintenance agreement (or a valid IGEL OS 11 subscription) is required to receive and use all software updates (all releases – major and minor). See the diagram below:



IGEL OS 12

IGEL guarantees at minimum a full 3-year product lifecycle for every major software release version starting with IGEL OS 11 and so also valid for IGEL OS 12 which was released in April 2023.

Within this time period, IGEL provides 3 to 4 base system updates releases per year (minor releases), in addition to continuous app releases

- new features and added drivers in IGEL OS 12 base system
- new and updated apps (via IGEL App Portal)
- bug and security fixes (base system and apps)
- additional hardware support

Outlook Upcoming IGEL OS Major Versions (IGEL OS 13 etc.)

Due to general trends in the software market, IGEL plans new major software releases every 2 to 2.5 years. So, two major IGEL OS versions are commonly run in parallel to allow for some time to offer a transition period for the upgrading to the newer, major version. Upgrading devices from IGEL OS 11 to OS 12 and later versions will require an active IGEL maintenance.

For IGEL OS 11 we are offering updates until end of 2025.

For IGEL OS in general, customers can expect a significant time overlap between the launch of possible OS 13 and the EOM of OS12. This is due to the significant architectural and feature advancements of every new IGEL OS major version. IGEL customers can rest assured that IGEL will offer a generous amount of time for customers to migrate from OS 11 to OS 12.



IGEL Universal Management Suite (UMS)

IGEL guarantees **at minimum a full 3-year product lifecycle** for every major release version.

Within this time period, IGEL provides 3 minor releases per year, including

- new features
- bug and security fixes

As soon as the product lifecycle of a UMS version is designated end-of-life (EOL), IGEL no longer provides further product enhancements and stops the distribution of the software.

UMS 6

Within the release of IGEL COSMOS in April 2023, IGEL also released UMS 12 as the complete successor to the UMS 6.

As UMS 12 is able to manage endpoints with IGEL OS 11 and IGEL OS 12, IGEL recommends the upgrade to UMS 12.

For UMS 6 IGEL guarantees:

- Software Maintenance (Bug fixing) until October 31, 2023.

IGEL Cloud Gateway (ICG)

- IGEL guarantees at minimum a full 3-year product lifecycle for every major release version.
- Within this time period, IGEL provides 3 minor releases per year, including
 - new features
 - bug and security fixes

As soon as the product lifecycle of a UMS version is designated end-of-life (EOL), IGEL no longer provides further product enhancements and stops the distribution of the software.

ICG 2

Within the release of IGEL COSMOS in April 2023, IGEL also released ICG 12 as the complete successor to the ICG 2.

ICG 12 is able to manage endpoints with IGEL OS 11 and IGEL OS 12.

Although ICG 2 is compatible with UMS 12, it is not able to manage endpoints with OS 12.

Therefore, IGEL recommends the upgrade to ICG 12.

For ICG 2 IGEL guarantees:

- Software Maintenance (Bug fixing) until October 31, 2023



Overview

Event	Product	Date
EOL - End of Life	IGEL OS 11:	April 2023
	UMS 6:	April 2023
	ICG 2:	April 2023
EOM - End of Maintenance	IGEL OS 11:	December 31, 2025
	UMS 6:	October 31, 2023
	ICG 2:	October 31, 2023
EOS - End of Sales	IGEL OS 11 Perpetual:	November 2022
	IGEL OS 11 Subscription:	March 2023
	IGEL OS 11 Workspace Renewal	December 2025

Explanation of Terms

EOL - End of Life	<p>EOL means the product is at the end of its product lifecycle. As soon as the product enters the EOL phase, IGEL no longer provides further product enhancements, i.e. no new functionalities.</p> <p>IGEL OS 11 enters the EOL phase as soon as IGEL OS 12 is launched.</p> <p>With the launch of IGEL OS 11, an IGEL endpoint device enters the EOL phase as soon as its successor hardware generation is launched.</p>
EOM - End of Maintenance	<p>EOM means the maintenance for this product expires: no updates, no security and bug fixes. The product is no longer supported.</p> <p>EOM for IGEL OS 11: currently scheduled for 31.12.2025</p> <p>EOM for IGEL hardware:</p> <ul style="list-style-type: none"> • after the launch of IGEL OS 11: IGEL device's EOS date + 3 years • before IGEL OS 11: EOL date for IGEL OS + 3 years
EOS - End of Sale	<p>EOS means that the product is not available on the regular pricelist anymore / licenses are no longer offered for sale.</p>



The EOS date is the last day the corresponding product / license can be ordered by distribution without a valid quote; pre-existing quotes or contractual arrangements will be subject to exception approval.

EOS is independent of EOL and EOM dates.

Major Release	A major release is a new version of the software that generally includes changes to the architecture and adds new features and functions to the predecessor version. Major releases can be identified by changing the version number, such as 11 to 12.
Minor Release	A minor release is a scheduled release/update containing additional functionality, security updates, and bug fixes. Minor releases can be identified by changing the version number, such as 12.02.100 to 12.03.100.

Related Topics

[Versioning Scheme for IGEL OS 11 to IGEL OS 12.01](#)(see page 287)

[Software Releases Overview](#)(see page 281)

Devices Supported by IGEL Universal Management Suite (UMS)

End-of-Life Products before IGEL OS 11: IGEL Devices before the Launch of IGEL OS 11 (before February 2019)



Software Releases Overview

Code-level maintenance for software releases is typically delivered in form of **Major Version** updates, **Stable Releases**, **Rolling Releases** (since IGEL OS 11.07), or **Private Builds**.

Stable Releases and Rolling Releases are publicly available interim releases.

Rolling Releases are offered with a rough cadence of three weeks and include all current bug fixes, added features, and client updates. This includes any new content that has been provided via Private Build within that timeframe.

Stable Releases, Rolling Releases, and Private Builds are based on the latest Major Version.

When an updated Major Version is released, it will replace all the previous firmware versions unless otherwise noted by IGEL.

A **Dead End Release** is a special kind of Private Build. IGEL Support is provided like with regular Private Builds. ^{*(see page 0)}

	Supported by IGEL Support	Passed Quality Assurance Run	Can Be Used in a Productive Environment	Download from Public Server / UMS Universal Firmware Update Possible	Guarantee for Subsequent Releases
Major Version	✓	✓	✓	✓	✓
Stable Release	✓	✓	✓	✓	✓
Rolling Release	✓	✓ (QA includes all modified components, but not the base system)	✓	✓	✓
Private Build	✓	Only if scheduled for the public download (QA includes all modified components, but not the base system)	✓	only if it fixes a general problem	✓
Dead End Release	✓		✓		



	Supported by IGEL Support	Passed Quality Assurance Run	Can Be Used in a Productive Environment	Download from Public Server / UMS Universal Firmware Update Possible	Guarantee for Subsequent Releases
	Important: No support for the upgrade from IGEL OS 10 to IGEL OS 11				
Release Candidate					
Technology Preview					

See also [Versioning Scheme for IGEL OS 11 to IGEL OS 12.01](#)(see page 287)



IGEL Naming Convention

- [Versioning Scheme for IGEL OS 12.2 or Higher](#)(see page 284)
- [Versioning Scheme for IGEL OS 11 to IGEL OS 12.01](#)(see page 287)
- [What is the Meaning of IGEL Device Names?](#)(see page 289)
- [What is the Meaning of "Features with Limited Support"?](#)(see page 291)
- [New Versioning for Base System and Apps \(Starting with IGEL OS 12.2.\)](#)(see page 292)



Versioning Scheme for IGEL OS 12.2 or Higher

In the following, you will learn what the identification number of your IGEL OS 12.2. software means.

Versioning IGEL OS 12 Base System

Major Version 12.2.	...means a generally and publicly available version of the new IGEL OS 12 software that <ul style="list-style-type: none"> • includes functional enhancements and improvements • fixes bugs and defects • is counted by the first number by the left
Release Version 12.2.	...indicates a stable release within one major version. A release version always exists in connection with a stable release. It is counted by the second number on the left.
Stable Release 12.2.0	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities • fixes errors and improvements • is counted by the last number and always uses the number 0
Rolling Release 12.2.1	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities/ fixes / errors and improvements • is counted by the last number in steps of 1
Patch Release 12.2.1 PR 1	...means a version with limited availability unless it includes a fix for common and widespread problems. <ul style="list-style-type: none"> • contains very little or no new functionality • fixes for bugs and defects • is counted by the last number after PR in steps of 1
Fix of Patch Release 12.2.1 PR 1.1	...means a further update / fix of a particular Patch Release. Only smaller changes are offered this way (for new features, a new Patch Release will be created). <p>Such Build contains</p> <ul style="list-style-type: none"> • very little or no new functionality • fixes for bugs and defects is counted by the last number after x. in steps of 1



Release Candidate 12.2.0 RC 4	...means a not publicly available version that is still under development. <ul style="list-style-type: none"> • A Release Candidate is a trial version and is not supported by IGEL. • Further / next Release Candidate is identified by the addition "RC [1...n]" after the last decimal point
Technology Preview 12.2.0 TP 2	...means a preview of software that is under development. A Technology Preview <ul style="list-style-type: none"> • is a preview version only and is not supported • has a special contact channel for inquiries specifically for this version • is identified by the addition "TP [1 ... n]" after the last decimal point

Versioning for IGEL OS 12 and Apps

Apps are using the known [partner versioning*](#) - **IGEL Versioning** is following and begins with **BUILD** (and TP / RC).

Stable (initial) Release Chromium 114.0.5615 BUILD 1.0	...means a generally and publicly available version of the app that <ul style="list-style-type: none"> • includes new functionalities / fixes / improvements • is counted by the last number, and always uses the number 0. (1.0)
Further Stable Releases Chromium 114.0.5615 BUILD 2.0	...means a generally and publicly available version of the app that <ul style="list-style-type: none"> • includes new functionalities - and contains all further fixes of any former Patch Releases (same App / Partner version). • is counted by the first number and always uses the number 0 as second (>1 and .0)
Patch Releases Chromium 114.0.5615 BUILD 1.1	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities / fixes / improvements • is counted by the last number in steps of 1 (x.1)
Release Candidate Chromium 114.0.5615 BUILD 1.0 RC 1	...means a not publicly available version that is still under development. A Release Candidate <ul style="list-style-type: none"> • is a trial version and is not supported by IGEL.
Technology Preview Chromium 114.5615 BUILD 1.0 TP 1	...means a preview of software that is under development. A Technology Preview



- is a preview version only and is not supported
- has a special contact channel for inquiries specifically for this version
- is identified by the addition "tp [1 ... n]" after the App name and versioning point

*Version number is just an example



Versioning Scheme for IGEL OS 11 to IGEL OS 12.01

In the following, you will learn what the identification number of your IGEL software means.

See also [Software Releases Overview](#)(see page 281).

Major Version 11.07.100	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes functional enhancements and improvements • fixes bugs and defects • is counted by the first number by the left
Release Version 11.07.100	...indicates a stable release within one major version. A release version exists always in connection with a stable release. It is counted by the second number by the left.
Stable Release 11.07.100	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities • fixes errors and defects • is counted by the last number in steps of 100
Rolling Release 11.07.120	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities • fixes errors and defects • is counted by the last number in steps of 10
Private Build 11.07.123	...means a version with limited availability unless it includes a fix for common and widespread problems. A Private Build <ul style="list-style-type: none"> • contains very little or no new functionality • fixes for bugs and defects • is counted by the last number in steps of 1
Dead End Release 11.07.120.DER	...means that the version is not publicly available and no subsequent versions based on it will be available. A Dead End Release <ul style="list-style-type: none"> • contains only new functionality • fixes for bugs and defects explicitly required by a customer • is indicated by the addition "DER" after the last decimal point



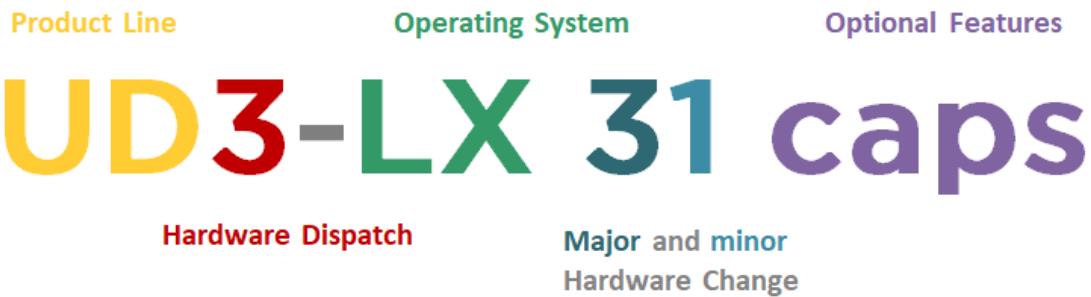
Release Candidate 11.07.120.rc4	<p>...means a not publicly available version that is still under development. A Release Candidate</p> <ul style="list-style-type: none">• is a trial version and is not supported by IGEL• is identified by the addition "rc[1 ... n]" after the last decimal point
Technology Preview 11.07.120.tp2	<p>...means a preview of software that is under development. A Technology Preview</p> <ul style="list-style-type: none">• is a preview version only and is not supported• has a special contact channel for inquiries specifically for this version• is identified by the addition "tp[1 ... n]" after the last decimal point



What is the Meaning of IGEL Device Names?

This is what the product names of IGEL devices mean:

Universal Desktop



Possible parameters

Example: UD3-LX 31 caps

Product Line	UD	IGEL Universal Desktop
Hardware Dispatch	2, 3, 5, 6, 9, 10	
Operating System	LX	IGEL Linux
	W7	Windows Embedded Standard 7
Optional Features	c	Codec Package
	a	Codec Package with AAC
	p	Ericom PowerTerm
	s	Shared Workplace



IGEL Zero

Product Line**Protocol**

IZ3-HDX 40

Hardware Dispatch**Major and minor
Hardware Change**

Possible parameters

Example: IZ3-HDX 40

Product Line	IZ	IGEL Zero
Hardware Dispatch	2-3	
Protocol	RFX	Microsoft RDP/RemoteFX
	HDX	Citrix XenDesktop/XenApp
	HORIZON	VMware Horizon

Devices Converted to IGEL OS

(Devices converted with IGEL UDC2, UDC3, OSC, UD Pocket, or UD Pocket 2)

Name	Hardware	Driver Support
UC1	Unknown hardware	No support
UC2	Converted IGEL legacy non-UD hardware (does not apply to UDC2, UDC3, or OSC)	Without limitation
UC3	IGEL supported hardware of third-party suppliers	Without limitation
UC4	Special all-in-one-hardware	Without limitation
UC5	UD Pocket	



What is the Meaning of "Features with Limited Support"?

The IGEL Linux Setup provides a list of available services to be enabled or disabled; see **IGEL Setup > System > Firmware Customization > Features**.

As these features are part of the firmware, they are regularly maintained by IGEL.

However, there are two different kinds of features:

- features with full support
- features with limited support.

For the features with limited support, IGEL cannot guarantee that all functions will be available throughout the complete lifetime of the product. IGEL will do its best to solve upcoming problems but cannot give assurance. Support for these features is provided on a no-obligation and best effort basis only.

Why is IGEL not able to provide full support?

Let us take the example of the Mobile Device Access USB feature:

There is a high demand of making mobile devices accessible with IGEL thin clients. That is why IGEL supports the integration of the Mobile Device Access USB. Due to the dynamics and technical heterogeneity of the mobile device market we have limited influence on the functionality of this feature.

There are following reasons:

- the protocols of mobile devices are often not available or open source community reverse engineering
- there are too many devices on the market we do not know (Android)
- protocols change because of software updates (iOS)

Due to our strong orientation towards the customers demand we offer this feature even if we can provide support on this limited level only.



New Versioning for Base System and Apps (Starting with IGEL OS 12.2.)

In the following, you will learn what the identification number of your IGEL OS 12.2. software means.

Versioning IGEL OS 12 Base System

Major Version 12.2.	...means a generally and publicly available version of the new IGEL OS 12 software that <ul style="list-style-type: none"> • includes functional enhancements and improvements • fixes bugs and defects • is counted by the first number by the left
Release Version 12.2.	...indicates a stable release within one major version. A release version always exists in connection with a stable release. It is counted by the second number on the left.
Stable Release 12.2.0	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities • fixes errors and improvements • is counted by the last number and always uses the number 0
Rolling Release 12.2.1	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities/ fixes / errors and improvements • is counted by the last number in steps of 1
Patch Release 12.2.1 PR 1	...means a version with limited availability unless it includes a fix for common and widespread problems. <ul style="list-style-type: none"> • contains very little or no new functionality • fixes for bugs and defects • is counted by the last number after PR in steps of 1
Fix of Patch Release 12.2.1 PR 1.1	...means a further update / fix of a particular Patch Release. Only smaller changes are offered this way (for new features, a new Patch Release will be created). Such Build contains <ul style="list-style-type: none"> • very little or no new functionality • fixes for bugs and defects is counted by the last number after x. in steps of 1



Release Candidate 12.2.0 RC 4	...means a not publicly available version that is still under development. <ul style="list-style-type: none"> • A Release Candidate is a trial version and is not supported by IGEL. • Further / next Release Candidate is identified by the addition "RC [1...n]" after the last decimal point
Technology Preview 12.2.0 TP 2	...means a preview of software that is under development. A Technology Preview <ul style="list-style-type: none"> • is a preview version only and is not supported • has a special contact channel for inquiries specifically for this version • is identified by the addition "TP [1 ... n]" after the last decimal point

Versioning for IGEL OS 12 and Apps

Apps are using the known [partner versioning*](#) - **IGEL Versioning** is following and begins with **BUILD** (and TP / RC).

Stable (initial) Release Chromium 114.0.5615 BUILD 1.0	...means a generally and publicly available version of the app that <ul style="list-style-type: none"> • includes new functionalities / fixes / improvements • is counted by the last number, and always uses the number 0. (1.0)
Further Stable Releases Chromium 114.0.5615 BUILD 2.0	...means a generally and publicly available version of the app that <ul style="list-style-type: none"> • includes new functionalities - and contains all further fixes of any former Patch Releases (same App / Partner version). • is counted by the first number and always uses the number 0 as second (>1 and .0)
Patch Releases Chromium 114.0.5615 BUILD 1.1	...means a generally and publicly available version of the software that <ul style="list-style-type: none"> • includes a limited number of new functionalities / fixes / improvements • is counted by the last number in steps of 1 (x.1)
Release Candidate Chromium 114.0.5615 BUILD 1.0 RC 1	...means a not publicly available version that is still under development. A Release Candidate <ul style="list-style-type: none"> • is a trial version and is not supported by IGEL.
Technology Preview Chromium 114.5615 BUILD 1.0 TP 1	...means a preview of software that is under development. A Technology Preview



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- is identified by the addition "tp [1 ... n]" after the App name and versioning point

*Version number is just an example



Support Policies for Connections to Third-Party Environments

IGEL Technology GmbH only supports connections to third-party products or environments (e.g. Microsoft Server, Citrix XenApp, VMware Horizon) that are published and are still within the support life cycle of the third-party products or environments (e.g. Microsoft Server, Citrix XenApp, VMware Horizon) using the client software integrated into the IGEL OS. Excluded is the Extended Support, which can be purchased from the respective third party if possible, as soon as a product reaches the end of support. IGEL Technology GmbH reserves the right to unilaterally and without prior notice periodically change support policies for third-party products and environments.