Amtiri

TECHNICAL INFORMATION

How Licensing Works

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Your DataOrchester needs a licence to keep running: every start runs its engine for two hours, and only a licence keeps it running after that. This explains what that licence is, how it stays current, and what happens when it does not — so that nothing about it is a surprise on the day it matters.

What a licence is

A licence is a short, signed statement about one specific install: which edition it holds, what limits apply, and until when it is valid. Amtiri signs it; your DataOrchester checks that signature against a public key built into the software.

The part people usually get backwards: **your DataOrchester never asks permission to run.** It holds a licence it can verify by itself, and checks it locally. A connected DataOrchester renews that licence regularly, but between renewals it runs on a signature it already holds, not on an answer from the portal. This is why a network outage, or the portal being down, does not stop a plant straight away: it runs on the licence it holds for seven days after the portal last confirmed it.

What identifies your instance

Three things, all generated on the machine the first time it runs:

	What it is
Install ID	A unique id for this installation. It is what a licence is issued *for*.
Instance key	A private key that never leaves the machine. Your instance signs its own requests with it, which is how the portal knows a request really came from you.
Hardware fingerprint	A description of the machine — CPU, board, disks, network. Used only when a licence is bound to hardware.

A licence issued for one install ID cannot be applied to another. Copying the licence file to a second machine does not give you a second licence.

The editions

	Free	Satelite	Full
Price	no cost	15 USD / month	30 USD / month
Variables	50	unlimited	unlimited
Peers	unlimited	unlimited	unlimited
Panels — build and edit	yes	yes	yes
Panels — display	yes	**no**	yes
AI assistant	yes	yes	yes

A **variable** is one named value in the engine's namespace: what a module reads, a formula computes, or a panel shows. A **peer** is another DataOrchester this one exchanges data with. Modules are not counted or restricted by any edition, so they are not in the table: every module type an instance has installed is available to it, including the ones another system connects *in* to.

Free is limited by size alone: 50 variables, and nothing else. A configuration with more runs for the two hours of its start and then stops, until you remove the excess or move to a larger edition and start it again — nothing is dropped to make it fit.

Satelite is a collector. It gathers data at any scale and forwards it, and it can hold and edit panels — it just never displays one. That is the whole difference from Full. Nothing is deleted when an edition changes: a panel built on Full stays exactly where it is on Satelite, and opens again the day the edition changes back.

The AI assistant costs nothing extra in any edition. It works through the portal, so an instance with no licence, on an offline key or cut off from the portal has none: see When the assistant is off.

Buying and renewing

Licences are bought into your organization's **stock**: what it holds and no DataOrchester uses yet, in the **Licences** panel of its page in the portal. Each DataOrchester picks its licence from there. The same panel is the cart: set the quantity of each in its **To buy** column, and select **Purchase**. Two shapes:

- **By the month** — months of Full or Satelite, at the monthly price, **with 20% off a line of twelve months or more**, wherever those months are used later; up to 120 in one line. No time passes on a month while it sits in the stock: it starts when a DataOrchester takes it. **Add a month** on a DataOrchester's row takes one more and moves its expiry a month later; **Give back a month** returns the last one while it has not started.
- **Permanent** — Full or Satelite, paid once, at fifty times the monthly price, up to 10 in one order. It never expires, and the term discount does not apply to it.

Purchase opens *Review your order*: the lines, who sells them, and the price in your currency with its tax — in Chilean pesos with IVA for a buyer in Chile; elsewhere in US dollars, with any tax your country charges added on the payment page. Give your consent there and select **Pay** to go to the payment page. Once the payment is confirmed, the months and permanent licences are in the stock; nothing is bound to a DataOrchester until one picks them. While online purchase is not open yet, contact us to buy.

Auto renews a DataOrchester by the month from the stock: 48 hours before its term ends, it takes a month of the same edition. It never charges a card, so when the stock is empty nothing is taken and the term ends. The owners get a mail after each renewal, and the reminder a week before a term ends says whether the stock covers it.

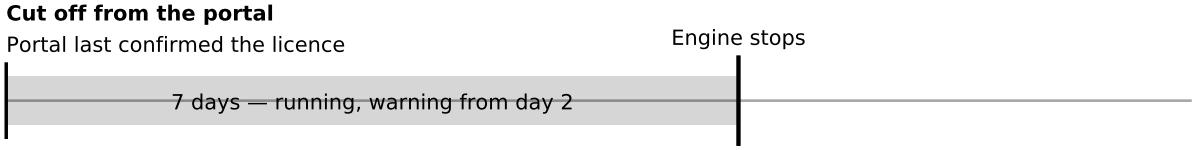
Free is permanent too. It never expires and never needs renewing. Set Free to 1 in the cart and select **Purchase**: it is claimed at once, with no review and nothing to pay, even while online purchase is not open. One free licence per person, and one per organization, once your email address is confirmed.

A connected instance

Your DataOrchester checks in when it starts and every four hours after that. What it holds is a **lease**: a licence valid for a week, which the portal replaces with a fresh one during its last day. At every other check-in the portal signs a **confirmation** that the lease is still the licence bound to this DataOrchester — as long as the licence is paid for and bound to it. This is the same for every edition, Free and permanent licences included.

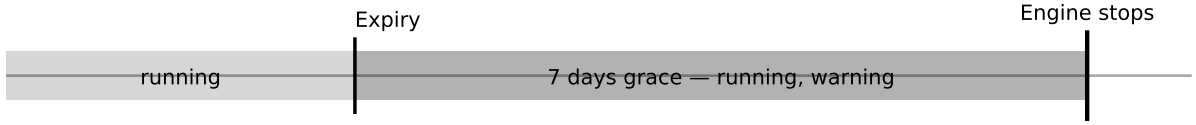
The question worth answering in advance is *what happens when it cannot check in* — a cut line, a firewall change, a portal outage:

Cut off from the portal



Any check-in the portal confirms resets the clock. No grace period follows.
Total: 7 days without the portal before anything stops.

A licence that expires



Online, whichever comes first stops the engine: the end of grace, or 7 days without a confirmation.

So a connected DataOrchester can be cut off from the portal for **seven days** before it stops, and any single check-in the portal confirms anywhere in that window starts the count again. Losing the network for an afternoon is a non-event. Once the portal has not confirmed the licence for a day, the licence pane warns and names the day the engine will stop. A DataOrchester that has to run longer than that without reaching the portal needs an offline key instead.

The same seven days apply when the portal can be reached but no longer confirms the licence — a failed payment, a cancelled licence, a prepaid term that ended: the engine stops seven days after the last confirmation, or when the grace after its expiry ends, if that comes first.

When the portal confirms the licence again, or sends a new lease — even after the engine stopped — the DataOrchester reloads its configuration and starts again by itself.

An air-gapped instance

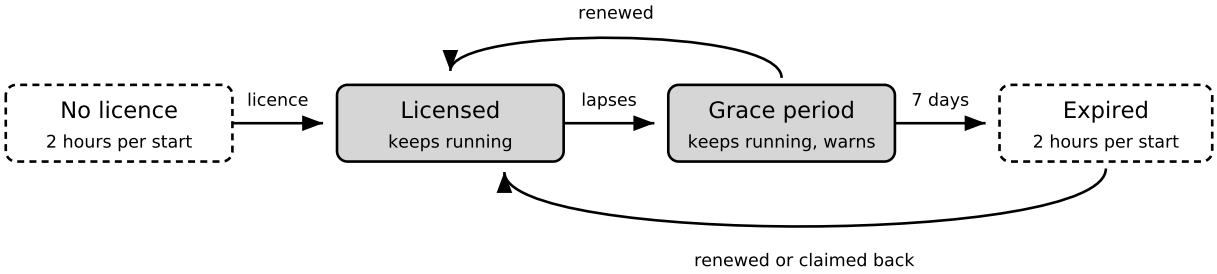
A DataOrchester with no route to the portal never checks in. You carry text in and out instead, and do the rest yourself in the portal:

1. **Add it.** Select **Copy DO Id** in the licence pane, then **Add a DataOrchester** on your organization's page in the portal, and paste the DO Identifier.
2. **Take it offline.** Select **Offline** on its row, then **Convert to Offline**, and paste the same DO Identifier again. The portal gives you an offline key issued for that DataOrchester alone. A Free licence cannot be taken offline.
3. **Register the key.** Select **Register offline** in the licence pane and paste the key.
4. **To renew**, select **Add a month** on its row, then **Copy offline key**, and register the new key with **Register new key**. Copying cuts one key carrying the new expiry, from what the portal already holds: nothing has to be fetched from the machine, and the machine runs on its old key until the new one is registered.
5. **To retire the machine**, select **Release licence** in the licence pane, then **Copy release key**, and paste the release key into **Release** on the DataOrchester's page in the portal — **Key actions** on its row opens it. The licence is online again on that DataOrchester; **Remove** it there and its licence returns to the stock.

Until it is released, an offline DataOrchester cannot be removed, change its licence or give a month back: the key in the machine keeps it running whatever the portal records. Months can only be added.

An offline key expires with the licence's paid-through date, and the engine runs 7 more days of grace after it — a key cut before the grace was shortened keeps the 14 days it was signed with. An offline key needs no confirmation from the portal. An offline key on a permanent licence never expires — which makes it the one configuration that never needs to reach the portal again once its key is registered. A **Free** licence runs online only: it cannot be converted to offline.

The states



Shaded states keep running. Every start runs the engine for two hours; after that, the others stop it.
Online, a licence the portal has not confirmed for 7 days turns Expired too, grace or not.
Not valid here (another machine, or hardware changed past its 14 days of grace) and Tampered (a licence file that does not verify) stop the same way.

The licence pane names the state in its chip:

State	What you see	What to do
Licensed	Everything works.	Nothing.
Grace period	Everything still works. The licence pane says why, and until when; the log warns every four hours.	Before grace ends: renew the licence, restore the connection to the portal, or — when the hardware no longer matches — have the licence reissued for this machine.
Expired	The engine stops. Each start runs it for two hours, then it stops again; meanwhile configuration still opens, but changes cannot be committed to the engine.	Renew the licence — or, when the licence pane says the portal has not confirmed it for more than seven days, restore the connection to the portal or check the licence there. Online, the DataOrchester collects it by itself and starts again; **Check for licence** does it at once. Offline, select **Copy offline key** and register the key with **Register new key**.
No licence	Each start runs the engine for two hours, then it stops. Configuration still opens.	Select **Copy DO Id** and add it on your organization's page with **Add a DataOrchester**, or register an offline key with **Register offline**.
Not valid here	Each start runs the engine for two hours, then it stops; changes cannot be committed meanwhile. The licence was issued for another instance, is not in effect yet, or the hardware changed and its grace ended.	Select **Copy DO Id** and have the licence reissued for this machine: **Replace offline key** for an offline licence; for an online one, contact us.
Tampered	Each start runs the engine for two hours, then it stops; changes cannot be committed meanwhile. The licence file on the machine does not verify — it was damaged or edited.	Online, the DataOrchester collects its licence again by itself. Offline, select **Copy offline key** and register the key again with **Register offline**.

What stops a running engine

Every start runs the engine for two hours, whatever its licence says — starting it from the site, restarting it after saving its configuration, or starting its service or container. There is always time to sort a licence out with the plant running. When the licence will not let the engine keep running, the licence pane and the log say why, and when it stops.

Once those two hours are over, a running engine stops only when:

- **it holds no licence** — none was ever bound, it was removed in the portal, or it was given back or revoked on the machine;
- **its licence has expired, and so has its grace period** — 7 days after the expiry; a key cut before the grace was shortened keeps the 14 days it was signed with;
- **the portal has not confirmed an online licence for seven days** — the DataOrchester cannot reach the portal, or the portal no longer confirms the licence because it was cancelled, is unpaid or its prepaid term ended;
- **its hardware no longer matches its licence, and the 14 days of grace after that are over;**
- **its licence file does not verify;** or
- **its configuration has more variables than its edition allows.**

A stop for want of a licence undoes itself: once a valid licence arrives — at the next licence check, from **Check for licence**, or when a key is registered — the DataOrchester reloads its configuration and starts again. An engine still running on the two hours of a start that loaded without a licence reloads and restarts once when the licence arrives, so everything the licence enables applies at once. A stop over the variable cap waits for you: remove the excess or change the edition, then start the engine yourself. Every start gives the engine another two hours.

How soon it stops:

- **Removing a DataOrchester in the portal**, or replacing it with **Replace machine**, stops it at its next licence check, within about four hours: the portal tells it that no licence is assigned to it any more. One started less than two hours earlier runs those two hours out first. Adding the same machine again hands it a licence back. A DataOrchester that cannot reach the portal stops seven days after it last reached it, and one not yet updated to the release that runs every start for two hours runs up to two weeks.
- **An offline licence given back with Release licence** stops the engine at its next licence check, within four hours, and a revocation from Amtiri registered in the licence pane stops it at once — in both cases, not before the two hours of its start are over.

Nothing else stops it:

- **A wrong system clock only warns.** The licence pane shows a warning, licensing keeps counting from the time it trusts, and the warning clears once the clock is corrected.
- **A short portal outage stops nothing.** The engine runs seven days on the portal's last confirmation, and the licence pane warns from the second day, naming the day it would stop.
- **An operator's Stop is never undone.** An engine stopped by hand stays stopped when a licence arrives; start it again yourself.

What a licence does not block

Worth stating plainly, because it is the part that matters when something goes wrong:

- **Editing configuration is never licensed.** Your program, users and panels stay editable with no licence at all — so you can always prepare an installation before licensing it, or fix one its licence stopped. The one exception: while the licence is **Expired**, **Not valid here** or **Tampered**, changes cannot be committed to the engine, and its external endpoint answers nothing but ping — during the two hours of a start as well.
- **Nothing is ever deleted.** Over-limit variables, panels you cannot display, modules an edition does not allow — all remain in your configuration exactly as you left them.

When something goes wrong

The licence pane explains every state in a sentence. The ones you are most likely to meet:

The licence pane says	What to do
This instance has no licence.	Select **Copy DO Id** and add it in the portal with **Add a DataOrchester**; the DataOrchester collects its licence by itself. A machine that cannot reach the portal registers an offline key with **Register offline**.
The licence on this machine was signed with a key this version of DataOrchester no longer trusts.	Online: nothing — it collects a new licence by itself while the portal can be reached. Air-gapped: **Copy DO Id**, **Replace offline key** on the DataOrchester's page, then **Register offline**.
This licence expired on … and its grace period is over.	Renew it with **Add a month** on its row in the portal. Online, the DataOrchester collects the renewal by itself; offline, select **Copy offline key** and register the renewed key with **Register new key**.
The portal has not confirmed this licence since …, more than seven days ago, so the engine stops.	If this DataOrchester cannot reach the portal, restore the connection. If it can, check the licence in the portal: its payment, its term, and whether it is still bound. Once the portal confirms it again, the engine starts by itself.
The portal has not confirmed this licence since …. Unless it does, the engine stops on …	Nothing is stopped yet. Before that day, check this DataOrchester's connection to the portal, and the licence there.
… The engine stops on …, two hours after it was started.	The sentence before it says why the licence will not let the engine keep running. Put that right before then, and the engine keeps running.
This machine no longer matches its licence and is running on its grace period until …	Before that date: **Copy DO Id** and have the licence reissued for this machine — with **Replace offline key**, for an offline licence.
This licence is not valid on this machine.	**Copy DO Id** and have the licence reissued for this machine.
The licence file on this machine does not verify.	Online, it collects its licence again by itself. Offline, register the offline key again.
This machine's clock is behind the time licensing trusts.	Correct the machine's clock. Nothing is stopped.
This configuration has N variables and this licence allows M.	Remove the excess, or move to an edition without the cap, then start the engine: a stop over the cap waits for you. Nothing was dropped.

And in the portal:

The portal says	What to do
This licence has no free seat left	**Remove** the DataOrchester that holds it first, or move the licence with **Replace machine**.
This DO Identifier comes from hardware that no longer matches this DataOrchester	Contact us: we reissue the key for the changed machine.
This DataOrchester must be updated to keep its licence	Update the DataOrchester, then paste a fresh DO Identifier.

Next steps

- Licence activation — the step-by-step version
- Pricing — what each edition costs
- Configuration reference