

# Artelys Knitro<sup>®</sup> Academic Licensing

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## About Artelys Knitro<sup>®</sup>

*Artelys Knitro is the only nonlinear solver with four different algorithms, allowing it to solve a large range of complex nonlinear problems.*

Artelys Knitro is available on the following platforms and operating systems: Microsoft Windows 32-bit and 64-bit, Linux 64-bit, and macOS 64-bit. Please contact us for enquiries about availability on other platforms.

## Terms and conditions

### Academic License Conditions

Licenses are for degree awarding institutions for research and educational purposes only.

Licenses cannot be used for commercial or commercially-funded purposes.

### License Transfers

Licenses are non-transferable to other institutions.

Additionally, licenses are non-transferrable to another computer or another user (for *single-user* licenses). However, the Annual License Maintenance Services (ALMS) contract grants the right to transfer the covered license to another computer and/or to another user (for *single-user* licenses) upon request, with a maximum limit of twice a year.

### Single-User Single-Computer License

Each *single-user single-computer* license allows one designated user to run any number of processes on one designated computer. Sharing a *single-user single-computer* license with other users (concurrently or not) is expressly disallowed by the license agreement. *Single-user single-computer* licenses cannot be used remotely, for example via remote access services (requiring a local network) or web services.

### Single-User Dual-Computer License

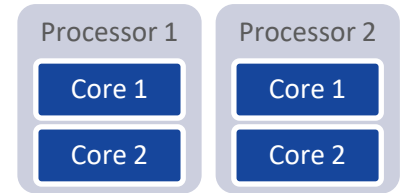
Each *single-user dual-computer* license allows one designated user to run any number of processes on two designated computers (ex: one laptop and one desktop computer). Sharing a *single-user dual-computer* license with other users (concurrently or not) is expressly disallowed by the license agreement. *Single-user dual-computer* licenses cannot be used remotely, for example via remote access services (requiring a local network) or web services.

### Floating License

Each *floating* license allows one process (i.e. one optimization job) at a time to be activated on any computer in a designated local network, but only on one such computer at a time. The network is defined by a list of IP addresses and address ranges. Accessing the *floating* license via a VPN (Virtual Private Network) connection is permitted. A minimum of 3 floating licenses must be acquired.

## Server License

Each *server* license allows the product to be run by any number of users in any number of simultaneous processes, on one designated computer with a pre-determined number of processors. A “processor” denotes one processor chip having multiple cores (see illustration). Up to 8 cores may qualify as one processor. A processor with more than 8 cores is counted as multiple processors.



*Server* licenses can be used remotely only within a geographical site (building or campus) comprising the machine in which the *server* license is installed. For example and in particular, the use of *server* licenses via a VPN (Virtual Private Network) connection from a location geographically distant from the geographical site comprising the machine in which the *server* license is installed, is strictly forbidden.

However, the use of *server* licenses from a remote location by the personnel who is permanently located in the geographical site comprising the machine in which the *server* license is installed is permitted for occasional use only (working at home or while traveling).

## Cloud deployment

Artelys Knitro can also be deployed in the cloud, with service providers such as Amazon AWS, Microsoft Azure, or Google Cloud.

## Artelys Knitro Academic License

This license provides users with the following binaries.

- The Artelys Knitro library that can be used to call Artelys Knitro from a programming language such as C, C++, C#, Python, Fortran or Java.
- The Artelys Knitro executable *knitroampl* that can be used to call Artelys Knitro from the AMPL modeling language. A valid AMPL license is required in order to use this interface, and can be purchased directly from Artelys.
- The Artelys Knitro MEX file *knitromatlab* that can be used to call Artelys Knitro from MATLAB (release 2008a or higher). A valid MATLAB license is required in order to use this interface.
- An Artelys Knitro library that can be used to call Artelys Knitro from R. R is an open-source software environment for statistical computing, available under GNU General Public License. It is developed and maintained by the R Foundation (<https://www.r-project.org/>).

## Academic License Agreement (ALA)

The academic license agreement is a special program for degree awarding academic institutions using Artelys Knitro for research and educational purposes. During the period of validity, it includes:

- Ten (10) *single-user single-computer* licenses.
- One (1) unlimited *floating* license allowing Artelys Knitro to be used on any client computer connected to a local network, by any member of the institution, with no limit on the number of Artelys Knitro processes that may be executed concurrently. This unlimited *floating* license granted under the ALA cannot be used to run Artelys Knitro on server machines accessed remotely. The HPC extension (see below) can be ordered to cover such needs.
- Annual License Maintenance Services (ALMS) to one nominated contact.

## ALA – HPC Extension

The HPC extension is an optional extension of the academic license agreement to enable the use of Artelys Knitro remotely on server machines.

## Annual License Maintenance Services (ALMS)

Artelys offers Artelys Knitro customers an Annual License Maintenance Service (ALMS) to provide support for their Artelys Knitro licenses, and to stay up-to-date with the latest optimization technology.

### Benefits

- Free **updates** of your software through major and minor releases. It is Artelys' policy to continuously improve and enhance its products. ALMS holders benefit from all significant enhancements and bug fixes.
- Free **support** in your usage of the latest release of Artelys Knitro, and the previous one. Artelys will provide advice on software features that may result in enhanced performance. Consulting on formulation and other aspects of modeling is available at an additional charge.
- Free **transfer of license** in case of change of user, computer or computer configuration (with a maximum limit of twice a year).

### Costs

- The first year of ALMS is compulsory.
- The annual cost is 20% of the list purchase price (at the time of acquisition or renewing ALMS) of your license(s).
- ALMS contract renewals shall be contracted for at least one year from the date of purchase.
- ALMS contract must be renewed within 30 days of expiration to qualify for the standard rate. The cost of ALMS renewal will result in additional penalty fees for all licenses that have not been covered continuously or have been renewed after 30 days from the expiration date. The cost of backdated ALMS is 200% of the ALMS standard price and is calculated based on the duration (in months) of the period during which the license was not covered by ALMS.
- ALMS must include all of your Artelys Knitro licenses.

The updates will not include any upgrade or new version that Artelys decides in its sole discretion to make generally available as a separately priced item. Artelys will be under no obligation to develop and release enhancements or to customize the enhancements to satisfy customer's particular requirements.

## End-User License Agreement for Artelys Knitro

The end-user license agreement for Artelys Knitro is available at [artelys.com/knitro](https://artelys.com/knitro).