

MOSEK Installation Guide

Release 11.2.8

MOSEK ApS

05 November 2026

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Chapter 1

Introduction

This guide describes how to install the **MOSEK** Optimization Suite.

In general **MOSEK** Optimization Suite must be installed on any computer where **MOSEK** is used and this is called a *client installation.*

In addition if a *floating license* is employed then a license token server must be set up, either on the client computer or on another computer. Note that trial licenses and academic licenses are NOT floating licenses so they do not require a token server.

Chapter 2

Contact Information

Phone	+45 7174 9373	Office
	+45 7174 5700	Sales
Website	mosek.com	
Email		
	sales@mosek.com	Sales, pricing, and licensing
	support@mosek.com	Technical support, questions and bug reports
	info@mosek.com	Everything else.
Mailing Address		
	MOSEK ApS	
	Fruebjergvej 3	
	Symbion Science Park, Box 16	
	2100 Copenhagen O	
	Denmark	

You can get in touch with **MOSEK** using popular social media as well:

Blogger	https://blog.mosek.com/
Google Group	https://groups.google.com/forum/#!forum/mosek
Linkedin	https://www.linkedin.com/company/mosek-aps
Youtube	https://www.youtube.com/channel/UCvIyectEVLP31NXeD5mIbEw

Chapter 3

License Agreement

3.1 MOSEK end-user license agreement

Before using the **MOSEK** software, please read the license agreement available in the distribution at `<MSKHOME>/mosek/11.2/mosek-eula.pdf` or on the **MOSEK** website https://mosek.com/products/license-agreement. By using **MOSEK** you agree to the terms of that license agreement.

3.2 Third party licenses

MOSEK uses some third-party open-source libraries. Their license details follow.

zlib

MOSEK uses the *zlib* library obtained from the zlib website. The license agreement for *zlib* is shown in Listing 3.1.

Listing 3.1: *zlib* license.

```
zlib.h -- interface of the 'zlib' general purpose compression library
version 1.3.2, February 17th, 2026

Copyright (C) 1995-2026 Jean-loup Gailly and Mark Adler

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu
```

fplib

MOSEK uses the floating point formatting library developed by David M. Gay obtained from the netlib website. The license agreement for *fplib* is shown in Listing 3.2.

Listing 3.2: *fplib* license.

```
/****************************************************************
 *
 * The author of this software is David M. Gay.
 *
 * Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
 *
 * Permission to use, copy, modify, and distribute this software for any
 * purpose without fee is hereby granted, provided that this entire notice
 * is included in all copies of any software which is or includes a copy
 * or modification of this software and in all copies of the supporting
 * documentation for such software.
 *
 * THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
 * WARRANTY.  IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY
 * REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY
 * OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.
 *
 ***************************************************************/
```

{fmt}

MOSEK uses the formatting library *{fmt}* developed by Victor Zverovich obtained form github/fmt and distributed under the MIT license. The license agreement fot *{fmt}* is shown in Listing 3.3.

Listing 3.3: *{fmt}* license.

```
Copyright (c) 2012 - present, Victor Zverovich

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a copy of this software and associated documentation files (the "Software"),
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CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

Zstandard

MOSEK uses the *Zstandard* library developed by Facebook obtained from github/zstd. The license agreement for *Zstandard* is shown in Listing 3.4.

Listing 3.4: *Zstandard* license.

```
BSD License

For Zstandard software

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ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

OpenSSL

MOSEK uses the LibReSSL library, which is build on *OpenSSL*. OpenSSL is included under the OpenSSL license, Listing 3.5, and the LibReSSL additions are licensed under the ISC license, Listing 3.6.

Listing 3.5: *OpenSSL* license

```
====================================================================
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```
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====================================================================

This product includes cryptographic software written by Eric Young
(eay@cryptsoft.com).  This product includes software written by Tim
Hudson (tjh@cryptsoft.com).
```

Listing 3.6: *ISC* license

```
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```

mimalloc

MOSEK uses the *mimalloc* memory allocator library from github/mimalloc. The license agreement for *mimalloc* is shown in Listing 3.7.

Listing 3.7: *mimalloc* license.

```
MIT License

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LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
```

BLASFEO

MOSEK uses the *BLASFEO* linear algebra library developed by Gianluca Frison, obtained from github/blasfeo. The license agreement for *BLASFEO* is shown in Listing 3.8.

Listing 3.8: *blasfeo* license.

```
BLASFEO -- BLAS For Embedded Optimization.
Copyright (C) 2019 by Gianluca Frison.
Developed at IMTEK (University of Freiburg) under the supervision of Moritz Diehl.
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```
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```

oneTBB

MOSEK uses the *oneTBB* parallelization library which is part of *oneAPI* developed by Intel, obtained from github/oneTBB, licensed under the Apache License 2.0. The license agreement for *oneTBB* can be found in https://github.com/oneapi-src/oneTBB/blob/master/LICENSE.txt .

Chapter 4

Installation

4.1 External channels

MOSEK client can be installed from the following package managers and repositories:

- PIP for Python (https://pypi.org/project/Mosek/):

```
pip install mosek
```

- Nuget.org for .NET Core (https://www.nuget.org/packages/Mosek/)

```
dotnet add package Mosek
```

Note that this only installs the client package. If you need the floating license server or the OptServer you still need to download the full distribution as described below.

4.2 General setup

This section describes how to install **MOSEK** from the full distribution packages downloaded from our website.

4.2.1 Linux

1. Decide if you are running on a 64bit x86 (most common standard) or an ARM64 architecture. If you don't know, then most likely it is Linux 64bit x86.
2. Download the Linux 64bit x86 or Linux ARM64 **MOSEK** Optimization Suite distribution from https://mosek.com/downloads/ and unpack it into a chosen directory.
3. Optionally add the path

   `<MSKHOME>/mosek/11.2/tools/platform/<PLATFORM>/bin`

   to the OS variable `PATH`, where `<MSKHOME>` is the directory where **MOSEK** was installed and `<PLATFORM>` is `linux64x86` or `linuxaarch64` depending on the version of **MOSEK** installed.

4.2.2 macOS

1. Download the MAC OS ARM64 **MOSEK** Optimization Suite distribution from https://mosek.com/downloads/ and unpack it into a chosen directory.

2. Run the command

   ```
   python3 <MSKHOME>/mosek/11.2/tools/platform/osxaarch64/bin/install.py
   ```

   where `<MSKHOME>` is the directory where **MOSEK** was installed. This will set up the appropriate shared objects required when using **MOSEK**. (You may have to use `python`, `python3` or a full path to the Python interpreter, depending on your Python setup.)

3. Optionally add the path

   ```
   <MSKHOME>/mosek/11.2/tools/platform/osxaarch64/bin
   ```

   to the OS variable `PATH`, where `<MSKHOME>` is the directory where **MOSEK** was installed.

4. Troubleshooting:

   - **Missing otool**. If running the `install.py` script produces errors such as:

     ```
     xcrun: error: invalid active developer path (/Library/Developer/
     ↪CommandLineTools), missing xcrun at: /Library/Developer/CommandLineTools/
     ↪usr/bin/xcrun
     ...
     CalledProcessError: Command '['otool', '-L', '/users/username/mosek/11.0/
     ↪tools/platform/osxaarch64/bin/MOSEKLM']' returned non-zero exit status 1
     ```

     then you need to install the command line tools, in particular `otool`. Depending on the OS version, this should be possible with one of the commands:

     ```
     xcode-select --install
     xcode-select --switch /Library/Developer/CommandLineTools
     ```

   - **Security exception in MacOS 10.15+**. If an attempt to run **MOSEK** on Mac OS 10.15 (Catalina) and later produces security exceptions (`developer cannot be verified` and similar) then use `xattr` to remove the quarantine attribute from all **MOSEK** executables and binaries. This can be done in one go with

     ```
     xattr -dr com.apple.quarantine mosek
     ```

     where `mosek` is the folder which contains the full **MOSEK** installation or **MOSEK** binaries. See https://themosekblog.blogspot.com/2019/12/macos-1015-catalina-mosek-installation.html for more information. If that does not help, use the system settings to allow running arbitrary unverified applications.

4.2.3 Windows, MSI installer

1. Download the Windows 64bit x86 **MOSEK** Optimization Suite MSI installer from https://mosek.com/downloads/.

2. Run the installer to complete the installation.

3. Check that the path

   ```
   <MSKHOME>\mosek\11.2\tools\platform\win64x86\bin
   ```

   was added to the OS variable `PATH`, where `<MSKHOME>` is the directory where **MOSEK** was installed. This is necessary for Windows to locate the **MOSEK** shared libraries.

4.2.4 Windows, Manual installation

1. Download the Windows 64bit x86 **MOSEK** Optimization Suite distribution from https://mosek.com/downloads/ and unpack it into a chosen directory.

2. Add the path

   ```
   <MSKHOME>\mosek\11.2\tools\platform\win64x86\bin
   ```

   to the OS variable `PATH`, where `<MSKHOME>` is the directory where **MOSEK** was installed. This is necessary for Windows to locate the **MOSEK** shared libraries, especially if **MOSEK** is to be used e.g. from command line or MATLAB.

4.3 Setting up the License

Regardless of the method of installation, **MOSEK** requires a license file to run.

Token server setup

If you are using a floating license with a token server then follow the instructions in the Licensing Guide. This step is NOT required for trial and personal academic licenses in particular.

Client setup

In practice the license is contained in a file called

```
mosek.lic
```

which should typically be saved to a file called

```
%USERPROFILE%\mosek\mosek.lic          (Windows)
$HOME/mosek/mosek.lic                  (Linux, MacOS)
```

If the folder `mosek` in the home directory does not exists, then it should be created. The license can be tested with the program `msktestlic`. For further information about the license system, and other non-standard ways of setting up the license, please consult the License Guide.

4.4 Finishing up

Important:

- See the Licensing Guide if you need more advanced help setting up the license.
- For most languages and interfaces some additional steps are required. Please follow the instructions in the relevant interface documentation available from https://mosek.com/documentation/.

4.5 Upgrading

Upgrading is typically performed the same way as installing a new version. Follow the standard upgrade practices of the toolchain you are using.

When upgrading it may be necessary to obtain a new license file and/or upgrade the token server in case of floating licenses. See the relevant Licensing FAQ question for detalis.