



## MOSEK Installation Guide

*Release 8.0.0.81*

MOSEK ApS

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## CONTENTS

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Installation</b>	<b>3</b>
2.1	Downloading and setting up . . . . .	3
2.2	Setting up the License . . . . .	4
2.3	Finishing up . . . . .	4



## **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 setup on client the computer computer or another computer. Note that trial licenses and academic licenses are NOT floating licenses.



## INSTALLATION

### 2.1 Downloading and setting up

#### 2.1.1 Anaconda Python usage

If **MOSEK** is only used from Python, then it is recommended to employ the Anaconda distribution of Python and the **MOSEK** Anaconda package. Particularly, on Windows this simplifies the install process. The Anaconda distribution of Python is available at <https://www.continuum.io/downloads>.

After installing the Anaconda Python Distribution then please visit <https://anaconda.org/MOSEK/mosek> for the **MOSEK** specific install instructions.

#### 2.1.2 General usages

First download the appropriate **MOSEK** Optimization Suite distribution from <https://mosek.com/resources/downloads/>.

##### Linux

Unpack the downloaded file in the chosen directory. Subsequently let **MSKHOME** denote the directory in which **MOSEK** is unpacked.

If the **MOSEK** command line tools should be available from the command line then append

```
<MSKHOME>/mosek/8/tools/platform/linux64x86/bin
```

to the OS variable **PATH**.

##### Mac OS

Unpack the downloaded file in the chosen directory. Subsequently let **MSKHOME** denote the directory in which **MOSEK** is unpacked.

On Mac OS it is important to run the command

```
python <MSKHOME>/mosek/8/tools/platform/osx64x86/bin/install.py
```

after the unpacking which make sure the appropriate shared objects can be loaded when using **MOSEK**.

If the **MOSEK** command line tools should be available from the command line then append

```
<MSKHOME>/mosek/8/tools/platform/osx64x86/bin
```

to the OS variable **PATH**.

## Windows

On Windows it is important to make the right choice between the 32bit and 64bit versions. For instance if you plan to use **MOSEK** with 32bit Python or MATLAB the 32bit version of **MOSEK** should be selected. In general it is recommend to use the 64bit version though.

If you have downloaded the Windows .msi installer, run the installer and this will conclude your installation.

Otherwise unpack the distribution in the folder you prefer. Next the OS variable **PATH** should be updated by adding

```
<MSKHOME>\mosek\8\tools\platform\win64x86\bin
```

to it. Replace win64x86 by win32x86 if it is 32 bit version of **MOSEK** that is installed.

## 2.2 Setting up the License

### Token server setup

Observe this step is NOT required for trial and academic licenses in particular. However, if floating license is employed, then the license token server has to be installed. Please consult the [Licensing Guide](#) for details.

### Client setup

**MOSEK** requires a valid license in order to be used.

In practice the license consist of a file named

```
mosek.lic
```

On Windows save the license file to

```
%USERPROFILE%\mosek\mosek.lic
```

If the folder mosek in the home directory does not exists, then it should be created.

On all Unix like operating systems including Mac OS save the license file to

```
$HOME/mosek/mosek.lic
```

For further information about the license system please consult the [License Guide](#).

## 2.3 Finishing up

Depending on which interface that is used some additional steps might be required. However, these steps are specified in the guide of each interface.