



MOSEK Release notes

Release 8.1.0.15(beta)

MOSEK ApS

2017

CONTENTS

1	Supported platforms	1
2	Major changes	3
3	Known issues	5
4	Bug fixes	7

SUPPORTED PLATFORMS

In [Table 1.1](#) the supported platforms and compilers used to build **MOSEK** are shown.

Table 1.1: Supported platforms

Platform	OS version
linux64x86	RedHat 6 or newer (glibc 2.12)
osx64x86	Mac OS 10.9 or newer
win32x86	Windows 10, server 2008 or newer
win64x86	Windows 10, server 2008 or newer

Although RedHat is explicitly mentioned as the supported Linux distribution, **MOSEK** will work on most other variants of Linux.

If you are using a floating license, the license manager tools requires *Linux Standard Base 3* or newer is installed.

MAJOR CHANGES

Major changes from version 8.0:

Presolve

- Performance of the presolve has been improved slightly.

The conic optimizer

- Multi thread performance has been improved for certain large models.
- Changed scaling for quadratic and quadratically optimization problems.

Fusion

- The performance of Fusion has been improved particularly for the Python version.
- C++ Fusion was enabled for Windows (for now only 64bit).

Documentation

- Improved documentation and clearer API reference, especially for the Optimizer APIs and Fusion.
- Improved installation and licensing manual.

KNOWN ISSUES

- The AMPL shell is not available on Windows. This will be fixed before the final release.
- On Mac OS when solving problems where the nonlinear function callbacks are defined multi threading is turned off due to a problem with the OpenMP library. For linear and conic problems threading is available as usual.

BUG FIXES

8.1.0.15

- Fix in Python setup script.

8.1.0.13

- Fixes in and around Fusion makefiles for Windows.

8.1.0.8

- Fixed a numerical issue in the presolve.

8.1.0.6

- Fixed a bug in the presolve that could trigger an assert.

8.1.0.5

- Improved the presolve.

8.1.0.4

- Improved the presolve.

8.1.0.3

- Fixed a bug causing incorrect objectives for Fusion/C++.

8.1.0.2

- Modified the stopping criteria in the conic interior-point optimizer.

8.1.0.1

- Fixed a minor issue in the MPS reader which made it report the wrong number of A nonzeros.
- Fixed a bug in the dual simplex optimizer causing an assert in rare cases.

8.1.0.0

- Improved the performance of Fusion notably for the Python Fusion. However, this improvement is not applicable to 32 bit Windows platform.
- Improved the multi threaded performance for some large scale conic optimization problems.