

# CVX Installation

1. First download the latest version of CVX from the website: <http://cvxr.com/cvx/download/>  
Download matrix

OS	32/64	mexext	Download links		SDPT3	SeDuMi	Gurobi	MOSEK
Standard bundles, including Gurobi and/or MOSEK								
Linux	64-bit	mexa64	cvx-a64.zip	cvx-a64.tar.gz	✓	✓	✓	✓
Mac	64-bit	mexmaci64	cvx-maci64.zip	cvx-maci64.tar.gz	✓	✓	✓	✓
Windows	32-bit	mexw32	cvx-w32.zip	cvx-w32.tar.gz	✓	✓	✓	✓
	64-bit	mexw64	cvx-w64.zip	cvx-w64.tar.gz	✓	✓	✓	✓
Redistributable: free solvers only								
All platforms			cvx-rd.zip	cvx-rd.tar.gz	✓	✓		
All platforms (v1.22)			cvx-1.22.zip	cvx-1.22.tar.gz	✓	✓		
Commercial solvers only								
Linux	64-bit	mexa64	cvx-a64-co.zip	cvx-a64-co.tar.gz			✓	✓
Mac	64-bit	mexmaci64	cvx-maci64-co.zip	cvx-maci64-co.tar.gz			✓	✓
Windows	32-bit	mexw32	cvx-w32-co.zip	cvx-w32-co.tar.gz			✓	✓
	64-bit	mexw64	cvx-w64-co.zip	cvx-w64-co.tar.gz			✓	✓

Which package should I download?

2. If you are in the Lab D46, please choose Windows 64-bit version: [cvx-w64.zip](#) and download it to your local disk.
3. Unpack the downloaded zip file (cvx-w64.zip) to cvx folder.
4. Start Matlab and run cvx-setup.m in the cvx folder or drag the cvx-setup.m into Matlab command window.
5. CVX is installed in your lab desktop successfully.

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Command Window

Setting CVX paths...already set!
Searching for solvers...5 shims found.
2 solvers initialized (* = default):
* SDPT3 4.0 {cvx}/sdpt3
  SeDuMi 1.34 {cvx}/sedumi
3 solvers skipped:
GLPK
  Could not find a GLPK installation.
Gurobi unknown {cvx}/gurobi/maci64
  Undefined function 'my_get_report' for input arguments of type
  'MException'.
Mosek 8.0.0.60 {cvx}/mosek/maci64
  Using MOSEK with CVX requires an academic MOSEK license
  or a MOSEK-enabled CVX Professional license.
Saving updated preferences...done.
Testing with a simple model...done!

To change the default solver, type "cvx_solver <solver_name>".
To save this change for future sessions, type "cvx_save_prefs".
Please consult the users' guide for more information.

fx >>

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