Why getting parameters from cfg-files?

- There are many scenarios where this is beneficial. For instance, it is very convenient not having to re-compile and link an application when playing around with parameter values. Other times it is nice to store whole tests/experiments in single cfg-files, this way it is easier to repeat experiments later on. Application behaviour might also be changed from playing with parameter mode to run on a server mode.

- Hence we provide a utility tool for working with configuration files. So called cfg-files.

Example of cfg-syntax

- A cfg file may look like this

  - # I am a comment

  - on = true   #I am a comment too

  - list = item1 item2 item3 item4

  - filename = script.m

  - max_iterations = 100

  - stop_threshold = 0.01

- The syntax is simple and hopefully quite trivial. One can write any setting one wants into a config file. Our config utility will extract all variable names and associate their values with these names. The data is stored in a kind of runtime lookup table and can be queried at runtime.