Let's say you have a library that may be called from python 2.x or 3.x, but you don't know which one you'll have to use yet. You have a directory structure thus laid out: <code>. +--libs2x | +-- mylib | +-- __init__.py +--libs3x | +-- mylib | +-- __init__.py +--my_module | +-- __init__.py </code> In ''%%./my_module/__init__.py%%'', you can use the following Python code to import the right lib depending on the Python version: <code python>from __future__ import print_function import sys, os if sys.version_info.major == 3: dir_name = "libs_3x" elif sys.version_info.major == 2: dir_name = "libs_2x" else: raise ImportError lib_path = os.path.dirname(__file__) # Start from the file and lib_path = os.path.dirname(__path__) # go up two dirs. Do whatever you have to do to get to the libs path. lib_path = os.path.join(lib_path, dir_name) # Go into the folder corresponding to the right version sys.path.append(lib_path) import mylib # DO SOMETHING</code> You can then import mylib from python 2 or 3.