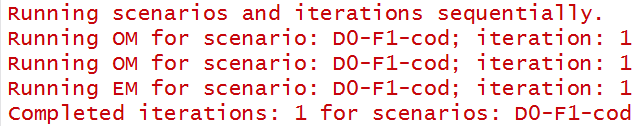
# Installation instructions for the ss3sim workshop – CAPAM 2015

Getting the ss3sim package working can sometimes depend on your OS and versions of other packages. Further, there will be limited time (and internet) during the workshop. Because of this, you will need to take some basic steps to **install and test ss3sim before arriving at the workshop on Monday**. We will not spend any time on installation or runtime issues.

The package should work fine on Windows 7/8/10, MacOS and Linux, but we currently require R versions after 3.2, and a 64 bit machine. If you have a 32 bit machine and really want to run models, follow instructions in the vignette about setting the executable in your path.

Most installation issues arise due to R not being able to find the ss3 executable, so it is worth briefly describing how this works within the package. Included in the installation of the package are binaries (executables) called ss3\_24o\_safe.exe and ss3\_24o\_opt.exe, for the “safe” and “optimized” versions of SS3.24o, specific to your OS. If these binaries are not found in your system PATH, then the package looks for them in its install files. That is, the binaries do NOT have to be in your PATH for the package to work, and they are NOT copied into each folder containing a model run. A single binary is used to run all models (even simultaneously in parallel). The easiest way to test if the package is “talking” to SS3 is to try running a simple model.

To install the package, open the “install.R” script contained in this folder. Execute this script **line by line** and make sure each is successful. This script will:

1. Install the necessary dependent packages using the devtools R package (you will NOT need Rtools for this installation – so ignore that warning if you get it). Make sure all the packages can be loaded successfully.
2. Run a single replicate, which contains a folder for the OM and EM. Don’t worry about what this model is or where it goes. A successful run will say:  
   
3. Check that the model output files were generated. If this is the case, the package is installed and ready to go. If not, please send any warning/error messages to us (Cole: [monnahc@uw.edu](mailto:monnahc@uw.edu) and Kelli: kfjohns@uw.edu) and we will help you get it working.