

# QN01Box

This document demonstrates how to install/update QN01Box as part of SPK test environment.

This document is written for members of the RFPK Software Team and associates and is specific to the computer systems and network installed in the RFPK Laboratory of the Department of Bioengineering of the University of Washington. RFPK is the Resource for Population Kinetics. Its work is supported, in part, by grant P41 EB-001975 of the National Institutes of Health (NIH) of the U.S. Department of Health and Human Services.

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## Installation

1. copy most recent version of

```
whitechuck:/opt/download/qn01box-yy-mm-dd.tar.gz
```

to /tmp on the installation machine. Here and below yy is the year, mm is the month, and dd is the day (each as two decimal digits) corresponding to the version of QN01Box.

2. Extraction

```
cd /tmp
tar -xvzf qn01box-yy-mm-dd.tar.gz
```

This will extract files into a new directory whose name is qn01box-yy-mm-dd.

3. Configure

```
cd qn01box-yy-mm-dd
./configure \
  --prefix=/usr/local \
  POSTFIX_DIR=spktest \
  CPPAD_PREFIX_DIR=/usr/local \
  CPPAD_POSTFIX_DIR=spktest \
  COMPILE_FLAGS="compiler_flags"
```

where the optimized value for `compiler_flags` is "-DNDEBUG -O3 -Wall" and the debug value for `compiler_flags` is "-g -Wall".

4. Make

```
make
```

5. Test

```
Test/RunTest
```

6. Final Installation

```
su  
make install
```

## Notes

1. <http://www.opencontent.org/openpub/>