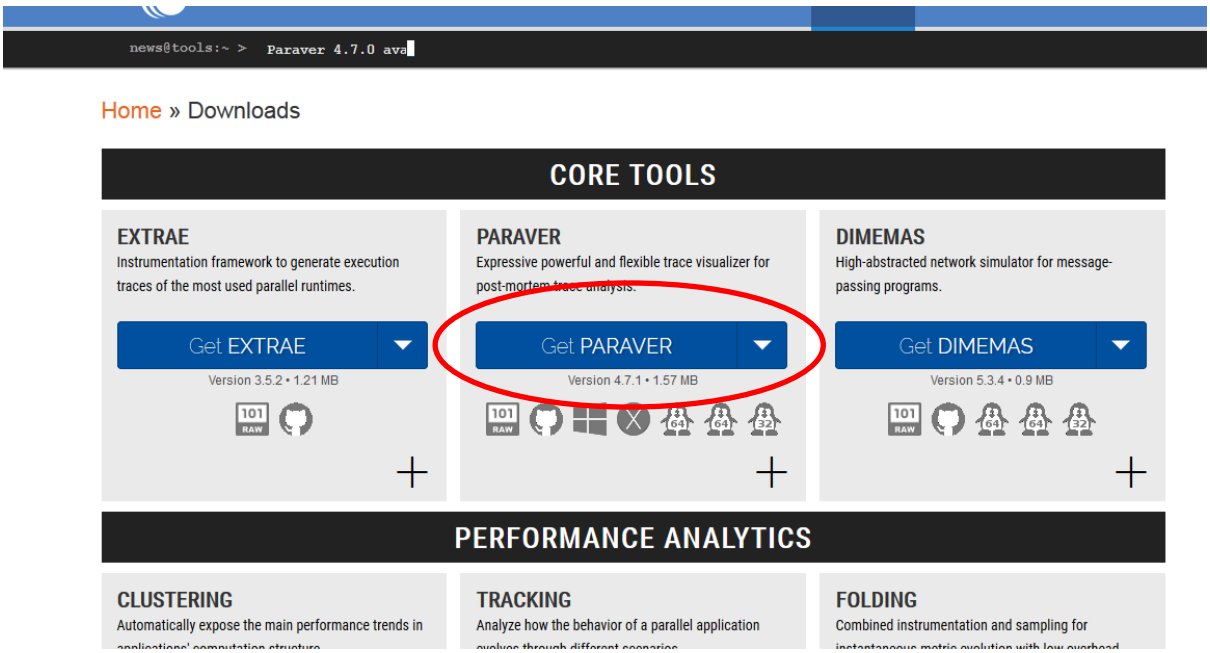
Hands-on tutorials

Paraver

1. To install Paraver, go to https://tools.bsc.es/downloads.
2. Click on GetPARAVER and select your operating system from the drop-down menu:



3. Extract the downloaded file and run the wxparaver executable (on Windows), the wxparaver app (on Mac OSX) or the wxparaver binary (on Linux, in the /bin directory).
4. To access the tutorial, download the following file: https://tools.bsc.es/sites/default/files/documentation/1.introduction_to_paraver_mpi.tar.gz
5. On Windows, you can use 7zip to extract the file:
   - If you don't already have it, download it from http://www.7-zip.org/download.html and install.
   - You will need to run 7zip twice: once to create `wxparaver-4.7.2-Linux_x86_64.tar` and once more to extract the tar file.

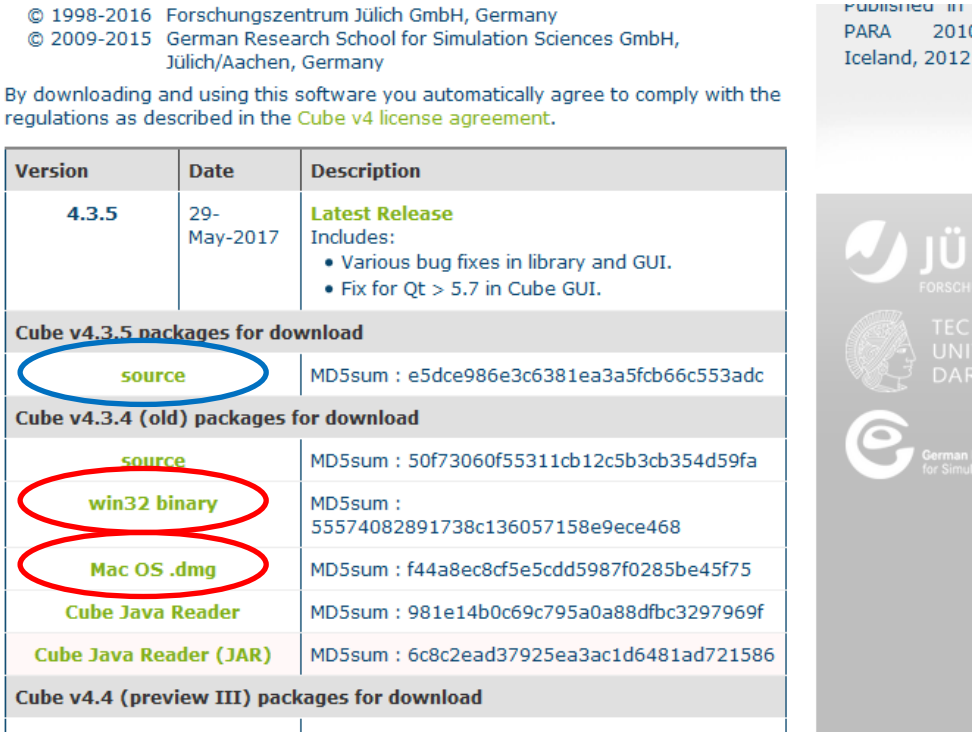
   On Unix operating systems, the following command can be used:

   ```
   tar -xvzf wxparaver-4.7.2-Linux_x86_64.tar.gz
   ```

6. Once extracted, open index.html or index.pdf.

Cube

1. To install Cube, go to http://www.scalasca.org/software/cube-4.x/download.html.
2. On **Windows** or **Mac OSX**, download the appropriate binary (both are highlighted in red below) and then run it to install Cube.



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Version	Date	Description
4.3.5	29-May-2017	Latest Release Includes: • Various bug fixes in library and GUI. • Fix for Qt > 5.7 in Cube GUI.
Cube v4.3.5 packages for download		
source		MD5sum : e5dce986e3c6381ea3a5fcb66c553adc
Cube v4.3.4 (old) packages for download		
source		MD5sum : 50f73060f55311cb12c5b3cb354d59fa
win32 binary		MD5sum : 55574082891738c136057158e9ece468
Mac OS .dmg		MD5sum : f44a8ec8cf5e5cdd5987f0285be45f75
Cube Java Reader		MD5sum : 981e14b0c69c795a0a88dfbc3297969f
Cube Java Reader (JAR)		MD5sum : 6c8c2ead37925ea3ac1d6481ad721586
Cube v4.4 (preview III) packages for download		

On **Linux**, you will need to build Cube from source. Download the v4.3.5 source, circled in blue above. Extract it using the command

```
tar -xvzf cube-4.3.5.tar.gz
```

For a basic installation the following commands can be used:

```
./configure --prefix=<install_dir>
```

```
make
```

```
make install
```

Depending on the setup of your system, there may be some prerequisites to install first. More detailed installation instructions can be found at:

http://apps.fz-juelich.de/scalasca/releases/cube/4.3/docs/INSTALL.txt

and

http://apps.fz-juelich.de/scalasca/releases/cube/4.3/docs/CubeInstall.pdf.

3. Please see the sheet on the NAS Parallel Benchmark for instructions on how to produce a trace file to look at.