

HANDS-ON 5

| Task | Hint |
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| <p>Download (using Firefox under NX) or on your computer (and copy it to the cluster afterwards) Paraview Binary Installer version 5.11 (5.11.1) and version 4 (4.0.1) for the cluster operating system (Linux 64-bit) from http://www.paraview.org/download/ (ParaView-5.11.1-MPI-Linux-Python3.9-x86_64.tar.gz) (ParaView-4.0.1-Linux-64bit.tar.gz)</p> <p>Move the files into \$VSC_SCRATCH directory</p> <p>Unpack the files</p> <p>Go to the ParaView-5.11.1-MPI-Linux-Python3.9-x86_64 ParaView-4.0.1-Linux-64bit in your scratch directory</p> <p>Check what is in there</p> <p>Go to the directory containing binary(executable) files</p> <p>Run paraview</p> <p>Try running version 4. What happens?</p> | <pre>mv \$VSC_HOME/Downloads/ParaView-5.11.1-MPI-Linux-Python3.9-x86_64.tar.gz \$VSC_SCRATCH</pre> <pre>mv \$VSC_HOME/Downloads/ParaView-4.0.1-Linux-64bit.tar.gz \$VSC_SCRATCH</pre> <pre>tar -xzf ParaView-5.11.1-MPI-Linux-Python3.9-x86_64.tar.gz</pre> <pre>tar -xzf ParaView-4.0.1-Linux-64bit.tar.gz</pre> <pre>cd \$VSC_SCRATCH/ParaView-5.11.1-MPI-Linux-Python3.9-x86_64</pre> <pre>ls</pre> <pre>cd bin</pre> <pre>./paraview</pre> <pre>cd \$VSC_SCRATCH/ParaView-4.0.1-Linux-64bit/bin</pre> <pre>./paraview</pre> |
| <p>Copy apps/leuven/training/HPC_biomech/C_C++ to \$VSC_HOME directory and go C_C++</p> <p>Compile hello.c to hello - use intel/2021a toolchain and icc compiler</p> <p>Run the hello program</p> | <pre>cp -r /apps/leuven/training/HPC_biomech/C_C++ \$VSC_HOME; cd C_C++</pre> <pre>module load intel/2021a; icc hello.c -o hello</pre> <pre>./hello</pre> |

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| <p>Download links-2.20.2.tar.gz file from http://links.twibright.com/download/links-2.20.2.tar.gz to your scratch directory</p> <p>Unpack the file</p> <p>Go to links-2.20.2 directory</p> <p>Configure the package to be installed in \$VSC_SCRATCH</p> <p>Install it</p> <p>Go to bin directory in \$VSC_SCRATCH</p> <p>Try to open www.google.com in links</p> <p>Go to your home directory</p> <p>Try to add the path where links is located (\$VSC_SCRATCH/bin) into env. \$PATH</p> <p>Check if system recognizes links command</p> <p>Open www.google.com in links again</p> <p>Close the terminal and try if links is recognized by the system in a new terminal</p> <p>Copy the original .bashrc into your \$VSC_HOME directory as .bashrc-orig</p> <p>Edit your .bashrc file and modify the \$PATH the way that system knows where to find links. Open a new session and test if that works</p> <p>Copy back the original .bashrc into your \$VSC_HOME directory</p> | <pre> cd \$VSC_SCRATCH; wget links.twibright.com/download/links-2.20.2.tar.gz tar -xzf links-2.20.2.tar.gz cd links-2.20.2 ./configure --prefix=\$VSC_SCRATCH make make install cd \$VSC_SCRATCH/bin ./links www.google.com cd export PATH=\${PATH}:\$VSC_SCRATCH/bin which links links www.google.com which links cp \$VSC_HOME/.bashrc \$VSC_HOME/.bashrc-orig in .bashrc: PATH=\$PATH:\$VSC_SCRATCH/bin: cp \$VSC_HOME/.bashrc-orig \$VSC_HOME/.bashrc </pre> |
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