HANDS-ON 5

Task	Hint
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)	
Move the files into $VSC_SCRATCH directory	mv $VSC_HOME/Downloads/ParaView-5.11.1-MPI-Linux-Python3.9-x86_64.tar.gz $VSC_SCRATCH mv $VSC_HOME/Downloads/ParaView-4.0.1-Linux-64bit.tar.gz $VSC_SCRATCH
Unpack the files	tar -xzf ParaView-5.11.1-MPI-Linux-Python3.9-x86_64.tar.gz tar -xzf ParaView-4.0.1-Linux-64bit.tar.gz
Go to the ParaView-5.11.1-MPI-Linux-Python3.9-x86_64 ParaView-4.0.1-Linux-64bit in your scratch directory	cd $VSC_SCRATCH/ParaView-5.11.1-MPI-Linux-Python3.9-x86_64
Check what is in there	ls
Go to the directory containing binary(executable) files	cd bin
Run paraview	./paraview
Try running version 4. What happens?	cd $VSC_SCRATCH/ParaView-4.0.1-Linux-64bit/bin ./paraview
Copy apps/leuven/training/HPC_biomech/C_C++ to $VSC_HOME directory and go C_C++	cp –r /apps/leuven/training/HPC_biomech/C_C++ $VSC_HOME; cd C_C++
Compile hello.c to hello - use intel/2018a toolchain and icc compiler	module load intel/2018a; icc hello.c -o hello
Run the hello program	./hello

Download links-2.13.tar.gz file from http://links.twibright.com/download/links-2.20.2.tar.gz to your scratch directory	cd $VSC_SCRATCH; wget links.twibright.com/download/links-2.20.2.tar.gz
Unpack the file	tar -xzf links-2.20.2.tar.gz
Go to links-2.20.2 directory	cd links-2.20.2
Configure the package to be installed in $VSC_SCRATCH	./configure --prefix=$VSC_SCRATCH
Install it	make make install
Go to bin directory in $VSC_SCRATCH	cd $VSC_SCRATCH/bin
Try to open www.google.com in links	./links www.google.com
Go to your home directory	cd
Try to add the path where links is located ($VSC_SCRATCH/bin) into env. $PATH	export PATH=${PATH}:$VSC_SCRATCH/bin
Check if system recognizes links command	which links
Open www.google.com in links again	links www.google.com
Close the terminal and try if links is recognized by the system in a new terminal	which links
Copy the original .bashrc into your $VSC_HOME directory as .bashrc-orig	cp $VSC_HOME/.bashrc $VSC_HOME/.bashrc-orig
Edit your .bashrc file and modify the $PATH the way that system knows where to find links. Open a new session and test if that works	in .bashrc: PATH=$PATH:$VSC_SCRATCH/bin:
Copy back the original .bashrc into your $VSC_HOME directory	cp $VSC_HOME/.bashrc-orig $VSC_HOME/.bashrc