HPC Challenge

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The HPC Challenge (HPCC) is a benchmark suite that measures a range of memory access patterns.							
Th	e HPCC consists of seven tests:						
	 High Performance Linpak (HPL) DGEMM STREAM PTRANS RandomAccess FFT 						
	7. Communication bandwidth and latency						

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1 Download Version 1.4.3

```
cd /srv/src
wget http://icl.cs.utk.edu/projectsfiles/hpcc/download/hpcc-1.4.3.tar.gz
cd /srv/build
tar xvzf ../src/pcc-1.4.3.tar.gz
```

2 Download Version 1.5.0

```
cd /srv/src
wget http://icl.cs.utk.edu/projectsfiles/hpcc/download/hpcc-1.5.0.tar.gz
cd /srv/build
tar xvzf ../src/pcc-1.5.0.tar.gz
```

3 Compile 1.4.3 On an Intel Cluster

To compile the code under a fictive architecture **ArchitectureE52697v2** the Makefile needs to be copied and edited.

```
cd /srv/build/hpcc-1.4.5
module load mkl/intel
module load intel/15.0
module load impi/5.0.1035
cp Make.SOMETHING hpl/Make.ArchitectureE52697v2
make ArchitectureE52697v2
```

4 Links

- HPC Challange Benchmark Home
- Source Code Source Forge

5 History

Version	Date	Notes
0.1.3	2023-01-17	Add locale, lang to front matter
0.1.2	2022-06-13	Shell->bash, changes->history

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Version	Date	Notes
0.1.1	2016-03-20	version 1.5.0
0.1.0	2016-02-01	Initial release

6 Disclaimer of Warranty

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