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CHPC Introduction to Linux and Python Course: A capacity building tool for High Performance Computing

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**Abstract content
   (Max 300 words)
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The Centre for High Performance Computing in South Africa was established in 2007 by the Department of Science Technology. It operates as national infrastructure to support computational intensive research across different fields of science and engineering. The centre houses the supercomputer with Linux operating system. Large percentage of researchers using CHPC is from academia. Most of academic institutions in South Africa use Windows Operating System. This is a challenge to new users of the CHPC because to use Cluster effectively one requires background of Linux. As an attempt to address this challenge, the CHPC has introduced basic Linux and Python scientific programming school in 2011 for postgraduate's science and engineering students in the field of computational science. The paper discusses our past year experiences to date with successful implementation of the training program and how it can be used as HPC training model in developing countries.

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