

- Developed and maintained a 576 processor Linux based parallel HPC cluster.
- Planned and implemented an LDAP database, including the migration of NIS user tables and integrated various services into LDAP structure.
- Developed and maintain various servers including email (Postfix), web (Apache), and directory services (OpenLDAP).

Computer Help Desk

1998 - 2002

Information, Technology and Communications, University of Virginia

- Provided Tier 1 and Tier 2 IT support by phone support covering all types of problems with personal computers on a variety of Windows (95, 98, NT, 2000 and XP), Unix and Macintosh based computers.

Publications

Powell, H. (2011). How to Build a Beowulf HPC System Using the FedoraLiveCD Project. Linux Journal, issue 208, pages 64-68.

Powell, H. (2012). ZFS and Btrfs: A Quick Introduction to Modern Filesystems. Linux Journal, issue 218, pages 104-111.