108.1.3 Compiling Perl 5 on HP-UX

When compiling Perl, you must use an ANSI C compiler. The C compiler that ships with all HP-UX systems is a K&R compiler that should only be used to build new kernels.

Perl can be compiled with either HP's ANSI C compiler or with gcc. The former is recommended, as not only can it compile Perl with no difficulty, but also can take advantage of features listed later that require the use of HP compiler-specific command-line flags.

If you decide to use gcc, make sure your installation is recent and complete, and be sure to read the Perl INSTALL file for more gcc-specific details.

108.1.4 PA-RISC

HP's current Unix systems run on its own Precision Architecture (PA-RISC) chip. HP-UX used to run on the Motorola MC68000 family of chips, but any machine with this chip in it is quite obsolete and this document will not attempt to address issues for compiling Perl on the Motorola chipset.

The most recent version of PA-RISC at the time of this document's last update is 2.0.

A complete list of models at the time the OS was built is in the file /usr/sam/lib/mo/sched.models. The first column corresponds to the last part of the output of the "model" command. The second column is the PA-RISC version and the third column is the exact chip type used. (Start browsing at the bottom to prevent confusion ;-)

```
# model
9000/800/L1000-44
# grep L1000-44 /usr/sam/lib/mo/sched.models
L1000-44        2.0     PA8500
```

108.1.5 PA-RISC 1.0

The original version of PA-RISC, HP no longer sells any system with this chip.

The following systems contained PA-RISC 1.0 chips:

```
600, 635, 645, 808, 815, 822, 825, 832, 834, 835, 840, 842, 845, 850,
852, 855, 860, 865, 870, 890
```

108.1.6 PA-RISC 1.1

An upgrade to the PA-RISC design, it shipped for many years in many different system.

The following systems contain with PA-RISC 1.1 chips:

```
705, 710, 712, 715, 720, 722, 725, 728, 730, 735, 742, 743, 744, 745,
747, 750, 755, 770, 777, 778, 779, 800, 801, 803, 806, 807, 809, 811,
813, 816, 817, 819, 821, 826, 827, 829, 831, 837, 839, 841, 847, 849,
851, 856, 857, 859, 867, 869, 877, 887, 891, 892, 897, A180, A180C,
B115, B120, B132L, B132L+, B160L, B180L, C100, C110, C115, C120,
C160L, D200, D210, D220, D230, D250, D260, D310, D320, D330, D350,
D360, D410, DX0, DX5, DXO, E25, E35, E45, E55, F10, F20, F30, G30,
G40, G50, G60, G70, H20, H30, H40, H50, H60, H70, I30, I40, I50, I60,
I70, J200, J210, J210XC, K100, K200, K210, K220, K230, K400, K410,
K420, S700i, S715, S744, S760, T500, T520
```