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36595 Wed Apr 17 20:27:00 2013
new/usr/src/cmd/stat/kstat/kstat.c
3724 kstat reports idle time as io_wait, kernel as pio_wait, etc
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904 static void
905 save_cpu_stat(kstat_t *kp, ks_instance_t *ksi)
906 {
907     cpu_stat_t      *stat;
908     cpu_sysinfo_t   *sysinfo;
909     cpu_syswait_t   *syswait;
910     cpu_vminfo_t    *vminfo;

912     stat = (cpu_stat_t *) (kp->ks_data);
913     sysinfo = &stat->cpu_sysinfo;
914     syswait = &stat->cpu_syswait;
915     vminfo = &stat->cpu_vminfo;

917     SAVE_UINT32_X(ksi, "idle", sysinfo->cpu[CPU_IDLE]);
918     SAVE_UINT32_X(ksi, "user", sysinfo->cpu[CPU_USER]);
919     SAVE_UINT32_X(ksi, "kernel", sysinfo->cpu[CPU_KERNEL]);
920     SAVE_UINT32_X(ksi, "wait", sysinfo->cpu[CPU_WAIT]);
921     SAVE_UINT32_X(ksi, "wait_io", sysinfo->wait[W_IO]);
922     SAVE_UINT32_X(ksi, "wait_swap", sysinfo->wait[W_SWAP]);
923     SAVE_UINT32_X(ksi, "wait_pio", sysinfo->wait[W_PIO]);
924     SAVE_UINT32_X(ksi, "wait_io", sysinfo->cpu[W_IO]);
925     SAVE_UINT32_X(ksi, "wait_swap", sysinfo->cpu[W_SWAP]);
926     SAVE_UINT32_X(ksi, "wait_pio", sysinfo->cpu[W_PIO]);
927     SAVE_UINT32(ksi, sysinfo, bread);
928     SAVE_UINT32(ksi, sysinfo, bwrite);
929     SAVE_UINT32(ksi, sysinfo, lread);
930     SAVE_UINT32(ksi, sysinfo, lwrite);
931     SAVE_UINT32(ksi, sysinfo, phread);
932     SAVE_UINT32(ksi, sysinfo, phwrite);
933     SAVE_UINT32(ksi, sysinfo, pswitch);
934     SAVE_UINT32(ksi, sysinfo, trap);
935     SAVE_UINT32(ksi, sysinfo, intr);
936     SAVE_UINT32(ksi, sysinfo, syscall);
937     SAVE_UINT32(ksi, sysinfo, sysread);
938     SAVE_UINT32(ksi, sysinfo, syswrite);
939     SAVE_UINT32(ksi, sysinfo, sysfork);
940     SAVE_UINT32(ksi, sysinfo, sysvfork);
941     SAVE_UINT32(ksi, sysinfo, sysexec);
942     SAVE_UINT32(ksi, sysinfo, readch);
943     SAVE_UINT32(ksi, sysinfo, writech);
944     SAVE_UINT32(ksi, sysinfo, rcvint);
945     SAVE_UINT32(ksi, sysinfo, xmtint);
946     SAVE_UINT32(ksi, sysinfo, mdmint);
947     SAVE_UINT32(ksi, sysinfo, rawch);
948     SAVE_UINT32(ksi, sysinfo, canch);
949     SAVE_UINT32(ksi, sysinfo, outch);
950     SAVE_UINT32(ksi, sysinfo, msg);
951     SAVE_UINT32(ksi, sysinfo, sema);
952     SAVE_UINT32(ksi, sysinfo, namei);
953     SAVE_UINT32(ksi, sysinfo, ufsiget);
954     SAVE_UINT32(ksi, sysinfo, ufsdirblk);
955     SAVE_UINT32(ksi, sysinfo, ufsipage);
956     SAVE_UINT32(ksi, sysinfo, ufsinopage);
957     SAVE_UINT32(ksi, sysinfo, inodeovf);
958     SAVE_UINT32(ksi, sysinfo, fileovf);
959     SAVE_UINT32(ksi, sysinfo, procovf);
960     SAVE_UINT32(ksi, sysinfo, intrthread);
961     SAVE_UINT32(ksi, sysinfo, intrblk);
962     SAVE_UINT32(ksi, sysinfo, idlthread);

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960     SAVE_UINT32(ksi, sysinfo, inv_swch);
961     SAVE_UINT32(ksi, sysinfo, nthreads);
962     SAVE_UINT32(ksi, sysinfo, cpumigrate);
963     SAVE_UINT32(ksi, sysinfo, xcalls);
964     SAVE_UINT32(ksi, sysinfo, mutex_adenters);
965     SAVE_UINT32(ksi, sysinfo, rw_rdfails);
966     SAVE_UINT32(ksi, sysinfo, rw_wrfails);
967     SAVE_UINT32(ksi, sysinfo, modload);
968     SAVE_UINT32(ksi, sysinfo, modunload);
969     SAVE_UINT32(ksi, sysinfo, bawrite);
970 #ifdef STATISTICS /* see header file */
971     SAVE_UINT32(ksi, sysinfo, rw_enters);
972     SAVE_UINT32(ksi, sysinfo, win_uo_cnt);
973     SAVE_UINT32(ksi, sysinfo, win_uu_cnt);
974     SAVE_UINT32(ksi, sysinfo, win_so_cnt);
975     SAVE_UINT32(ksi, sysinfo, win_su_cnt);
976     SAVE_UINT32(ksi, sysinfo, win_suo_cnt);
977 #endif

979     SAVE_INT32(ksi, syswait, iowait);
980     SAVE_INT32(ksi, syswait, swap);
981     SAVE_INT32(ksi, syswait, physio);

983     SAVE_UINT32(ksi, vminfo, pgrec);
984     SAVE_UINT32(ksi, vminfo, pgfrec);
985     SAVE_UINT32(ksi, vminfo, pgin);
986     SAVE_UINT32(ksi, vminfo, pggpin);
987     SAVE_UINT32(ksi, vminfo, pgout);
988     SAVE_UINT32(ksi, vminfo, pggout);
989     SAVE_UINT32(ksi, vminfo, swapin);
990     SAVE_UINT32(ksi, vminfo, pgszapin);
991     SAVE_UINT32(ksi, vminfo, swapout);
992     SAVE_UINT32(ksi, vminfo, pgszapout);
993     SAVE_UINT32(ksi, vminfo, zfod);
994     SAVE_UINT32(ksi, vminfo, dfree);
995     SAVE_UINT32(ksi, vminfo, scan);
996     SAVE_UINT32(ksi, vminfo, rev);
997     SAVE_UINT32(ksi, vminfo, hat_fault);
998     SAVE_UINT32(ksi, vminfo, as_fault);
999     SAVE_UINT32(ksi, vminfo, maj_fault);
1000    SAVE_UINT32(ksi, vminfo, cow_fault);
1001    SAVE_UINT32(ksi, vminfo, prot_fault);
1002    SAVE_UINT32(ksi, vminfo, softlock);
1003    SAVE_UINT32(ksi, vminfo, kernel_asflt);
1004    SAVE_UINT32(ksi, vminfo, pggrrun);
1005    SAVE_UINT32(ksi, vminfo, execpgin);
1006    SAVE_UINT32(ksi, vminfo, execpgout);
1007    SAVE_UINT32(ksi, vminfo, execfree);
1008    SAVE_UINT32(ksi, vminfo, anonpgin);
1009    SAVE_UINT32(ksi, vminfo, anonpgout);
1010    SAVE_UINT32(ksi, vminfo, anonfree);
1011    SAVE_UINT32(ksi, vminfo, fspgin);
1012    SAVE_UINT32(ksi, vminfo, fspgout);
1013    SAVE_UINT32(ksi, vminfo, fsfree);
1014 }
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