
20138 Wed May 20 12:14:47 2015

new/usr/src/cmd/make/bin/misc.cc

make: remove a bunch of unused and mis-licensed code from history

unchanged portion omitted

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743 /*
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756 * clause at DFARS 52.227-7013 and in similar clauses in the FAR and
757 * NASA FAR Supplement.
758 *
759 * 1.3 91/09/30
760 */

763 /* Some includes are commented because of the includes at the beginning */
764 /* #include <signal.h> */
765 #include <sys/types.h>
766 #include <sys/stat.h>
767 #include <sys/param.h>
768 /* #include <string.h> */
769 #include <unistd.h>
770 #include <stdlib.h>
771 /* #include <stdio.h> */
772 /* #include <avo/find_dir.h> */
773 /* #ifndef TEAMWARE_MAKE_CMN
774 #include <avo/find_dir.h>
775 #endif */

777 /* Routines to find the base directory name from which the various components
778 * -executables, *crt* libraries etc will be accessed
779 */

781 /* This routine checks to see if a given filename is an executable or not.
782 Logically similar to the csh statement : if ( -x $i && ! -d $i )
783 */

785 static int
786 check_if_exec(char *file)
787 {
788     struct stat stb;
789     if (stat(file, &stb) < 0) {
790         return (-1);
791     }
792     if (S_ISDIR(stb.st_mode)) {
793         return (-1);
794     }
795     if (!(stb.st_mode & S_IEXEC)) {
796         return (-1);
797     }
798     return (0);
799 }

801 /* resolve - check for specified file in specified directory
802 * sets up dir, following symlinks.

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803 * returns zero for success, or
804 * -1 for error (with errno set properly)
805 */
806 static int
807 resolve (const char *indir, /* search directory */
808          const char *cmd, /* search for name */
809          char *dir, /* directory buffer */
810          char **run) /* resolution name ptr ptr */
811 {
812     char *p;
813     int rv = -1;
814     int sll;
815     char symlink[MAXPATHLEN + 1];

817     do {
818         errno = ENAMETOOLONG;
819         if ((strlen(indir) + strlen(cmd) + 2) > (size_t) MAXPATHLEN)
820             break;

822         sprintf(dir, "%s/%s", indir, cmd);
823         if (check_if_exec(dir) != 0) /* check if dir is an executable */
824             {
825                 break; /* Not an executable program */
826             }

828         /* follow symbolic links */
829         while ((sll = readlink (dir, symlink, MAXPATHLEN)) >= 0) {
830             symlink[sll] = 0;
831             if (*symlink == '/')
832                 strcpy (dir, symlink);
833             else
834                 sprintf (strchr (dir, '/'), "/%s", symlink);
835         }
836         if (errno != EINVAL)
837             break;

839         p = strchr (dir, '/');
840         *p++ = 0;
841         if (run) /* user wants resolution name */
842             *run = p;
843         rv = 0; /* complete, with success! */

845     } while (0);

847     return rv;
848 }

850 /*
851 *find_run_directory - find executable file in PATH
852 */
853 * PARAMETERS:
854 * cmd filename as typed by user (argv[0])
855 * cwd buffer from which is read the working directory
856 * if first character is '/' or into which is
857 * copied working directory name otherwise
858 * dir buffer into which is copied program's directory
859 * pgm where to return pointer to tail of cmd (may be NULL
860 * if not wanted)
861 * run where to return pointer to tail of final resolved
862 * name ( dir/run is the program) (may be NULL
863 * if not wanted)
864 * path user's path from environment
865 *
866 * Note: run and pgm will agree except when symbolic links have
867 * renamed files
868 *

```

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869 * RETURNS:
870 *     returns zero for success,
871 *     -1 for error (with errno set properly).
872 *
873 * EXAMPLE:
874 *     find_run_directory (argv[0], ".", &charray1, (char **) 0, (char **) 0,
875 *                       getenv(NOGETTEXT("PATH")));
876 */
877 extern int
878 find_run_directory (char      *cmd,
879                   char      *cwd,
880                   char      *dir,
881                   char      **pgm,
882                   char      **run,
883                   char      *path)
884 {
885     int          rv = 0;
886     char        *f, *s;
887     int          i;
888     char        tmp_path[MAXPATHLEN];

890     if (!cmd || !*cmd || !cwd || !dir) {
891         errno = EINVAL;      /* stupid arguments! */
892         return -1;
893     }

895     if (*cwd != '/')
896         if (!(getcwd (cwd, MAXPATHLEN)))
897             return -1;      /* can not get working directory */

899     f = strrchr (cmd, '/');
900     if (pgm)      /* user wants program name */
901         *pgm = f ? f + 1 : cmd;

903     /* get program directory */
904     rv = -1;
905     if (*cmd == '/')      /* absname given */
906         rv = resolve ("", cmd + 1, dir, run);
907     else if (f)      /* relname given */
908         rv = resolve (cwd, cmd, dir, run);
909     else { /* from searchpath */
910         if (!path || !*path) { /* if missing or null path */
911             tmp_path[0] = '.'; /* assume sanity */
912             tmp_path[1] = '\0';
913         } else {
914             strcpy(tmp_path, path);
915         }
916         f = tmp_path;
917         rv = -1;
918         errno = ENOENT; /* errno gets this if path empty */
919         while (*f && (rv < 0)) {
920             s = f;
921             while (*f && (*f != ':'))
922                 ++f;
923             if (*f)
924                 *f++ = 0;
925             if (*s == '/')
926                 rv = resolve (s, cmd, dir, run);
927             else {
928                 char          abuf[MAXPATHLEN];

930                 sprintf (abuf, "%s/%s", cwd, s);
931                 rv = resolve (abuf, cmd, dir, run);
932             }
933         }
934     }

```

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936     /* Remove any trailing /. */
937     i = strlen(dir);
938     if ( dir[i-2] == '/' && dir[i-1] == '.' ) {
939         dir[i-2] = '\0';
940     }

942     return rv;
943 }

```