

new/usr/src/cmd/fs.d/smbclnt/smbutil/Makefile

1

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*****
2155 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/Makefile
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
*****
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27 #
28 #
29 #
30 # cmd/fs.d/smbclnt/smbutil/Makefile
31 #
32 #
33 PROG=          smbutil
34 #
35 OBJS=  smbutil.o info.o login.o lookup.o print.o status.o view.o \
36        shares_rap.o shares_rpc.o srvsvc1_clnt.o srvsvc1_ndr.o
37 #
38 SRCS=  ${OBJS:%.o=%.c}
39 #
40 include        $(SRC)/cmd/Makefile.cmd
41 #
42 #
43 OBJS=  smbutil.o login.o lookup.o print.o status.o view.o
44 #
45 SRCS=  ${OBJS:%.o=%.c}
46 POFILE= smbutil_all.po
47 POFILES= ${OBJS:%.o=%.po}
48 #
49 CLEANFILES +=  srvsvc1_ndr.c
50 CLOBBERFILES+= $(POFILE) $(POFILES)
51 #
52 CSTD= $(CSTD_GNU99)
53 #
54 LDLIBS += -lmlrpc -lsmbfs -lnsl
55 LDLIBS += -lsmbfs -lnsl
56 #
57 CPPFLAGS += -I$(SRC)/lib/libmbfs \
58            -I$(SRC)/uts/common/smbclnt -I$(SRC)/uts/common
59 #
60 # Debugging
61 ${NOT_RELEASE_BUILD} CPPFLAGS += -DDEBUG
```

new/usr/src/cmd/fs.d/smbclnt/smbutil/Makefile

2

```
58 # uncomment these for dbx debugging
59 #COPTFLAG = -g
60 #CTF_FLAGS =
61 #CTFCONVERT_O=
62 #CTFMERGE_LIB=
63 #
64 # disable some of the less important lint
65 LINTFLAGS      += -erroff=E_FUNC_RET_ALWAYS_IGNORE2
66 LINTFLAGS      += -erroff=E_FUNC_RET_MAYBE_IGNORED2
67 #
68 all:           $(PROG)
69 #
70 $(PROG):       $(OBJS)
71               $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
72               $(POST_PROCESS)
73 #
74 install:       all $(ROOTPROG)
75 #
76 $(ROOTPROG):  $(PROG)
77               $(INS.file) $(PROG)
78 #
79 catalog:       $(POFILE)
80 #
81 $(POFILE):    $(POFILES)
82               $(RM) $@
83               $(CAT) $(POFILES) > $@
84 #
85 lint:         lint_SRCS
86 #
87 clean:
88               $(RM) $(OBJS) $(CLEANFILES)
89 #
90 clean :
91               $(RM) $(OBJS)
92 #
93 include ../../Makefile.targ
94 #
95 srvsvc1_ndr.c : srvsvc1.ndl
96                 $(NDRGEN) -Y $(ANSI_CPP) $(CPPFLAGS) srvsvc1.ndl
97 #
98 .KEEP_STATE:
99 #
100 include ../../Makefile.targ
```

```

*****
2830 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/common.h
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
*****
1 /*
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29 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
30 * SUCH DAMAGE.
31 */

33 /*
34  * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
35 */

37 #ifndef _SMBUTIL_COMMON_H
38 #define _SMBUTIL_COMMON_H

40 #ifdef __cplusplus
41 extern "C" {
42 #endif

44 #include <stdio.h>
45 #include <stdlib.h>

47 int cmd_crypt(int argc, char *argv[]);
48 int cmd_help(int argc, char *argv[]);
49 int cmd_info(int argc, char *argv[]);
50 int cmd_login(int argc, char *argv[]);
51 int cmd_logout(int argc, char *argv[]);
52 int cmd_logoutall(int argc, char *argv[]);
53 int cmd_lookup(int argc, char *argv[]);
54 int cmd_print(int argc, char *argv[]);
55 int cmd_status(int argc, char *argv[]);
56 int cmd_view(int argc, char *argv[]);

58 void crypt_usage(void);
59 /* No crypt_usage? */
59 void help_usage(void);

```

```

60 void info_usage(void);
61 void login_usage(void);
62 void logout_usage(void);
63 void logoutall_usage(void);
64 void lookup_usage(void);
65 void print_usage(void);
66 void status_usage(void);
67 void view_usage(void);

69 /* See view.c */
70 int share_enum_rpc(struct smb_ctx *ctx);
71 int share_enum_rpc(struct smb_ctx *ctx, char *server);
72 void view_print_share(char *share, int type, char *comment);
73 extern int loadsmbvfs();

74 #ifdef __cplusplus
75 }

```

unchanged_portion_omitted

```

*****
4575 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/info.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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20 */

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27 */

29 /*
30 * Show information about the remote server, as offered by
31 * NetServerGetInfo with SERVER_INFO_101
32 */

34 #include <sys/types.h>

36 #include <errno.h>
37 #include <stdio.h>
38 #include <stdlib.h>
39 #include <string.h>
40 #include <libintl.h>

42 #include <libmlrpc/libmlrpc.h>
43 #include <netsmb/smb_lib.h>
44 #include "srvsvcl_clnt.h"
45 #include "common.h"

48 static int get_info(smb_ctx_t *);

50 void
51 info_usage(void)
52 {
53     printf(gettext("usage: smbutil info [connection options] //"
54                 "[workgroup;][user[:password]@]server\n"));
55     exit(1);
56 }

58 int
59 cmd_info(int argc, char *argv[])
60 {

```

```

61     struct smb_ctx *ctx;
62     int error, err2, opt;

64     if (argc < 2)
65         info_usage();

67     error = smb_ctx_alloc(&ctx);
68     if (error)
69         return (error);

71     error = smb_ctx_scan_argv(ctx, argc, argv,
72                             SMBL_SERVER, SMBL_SERVER, USE_WILDCARD);
73     if (error)
74         goto out;

76     error = smb_ctx_readrc(ctx);
77     if (error)
78         goto out;

80     while ((opt = getopt(argc, argv, STDPARAM_OPT)) != EOF) {
81         if (opt == '?')
82             info_usage();
83         error = smb_ctx_opt(ctx, opt, optarg);
84         if (error)
85             goto out;
86     }

88     smb_ctx_setshare(ctx, "IPC$", USE_IPC);

90     /*
91     * Resolve the server address,
92     * setup derived defaults.
93     */
94     error = smb_ctx_resolve(ctx);
95     if (error)
96         goto out;

98     /*
99     * Have server, share, etc. from above:
100    * smb_ctx_scan_argv, option settings.
101    * Get the session and tree.
102    */
103    again:
104    error = smb_ctx_get_ssn(ctx);
105    if (error == EAUTH) {
106        err2 = smb_get_authentication(ctx);
107        if (err2 == 0)
108            goto again;
109    }
110    if (error) {
111        smb_error(gettext("/%s: login failed"),
112                error, ctx->ct_fullserver);
113        goto out;
114    }

116    error = smb_ctx_get_tree(ctx);
117    if (error) {
118        smb_error(gettext("/%s/%s: tree connect failed"),
119                error, ctx->ct_fullserver, ctx->ct_origshare);
120        goto out;
121    }

123    /*
124    * Have IPC$ tcon. Get the server info.
125    */
126    error = get_info(ctx);

```

```

127     if (error)
128         smb_error("cannot get server info.", error);

130 out:
131     smb_ctx_free(ctx);
132     return (error);
133 }

135 int
136 get_info(smb_ctx_t *ctx)
137 {
138     char pf_unk[32];
139     mlrpc_handle_t handle;
140     ndr_service_t *svc;
141     union mslm_NetServerGetInfo_ru res;
142     struct mslm_SERVER_INFO_101 *sv101;
143     char *platform_name;
144     int err;

146     /*
147      * Create an RPC handle using the smb_ctx we already have.
148      * Just local allocation and initialization.
149      */
150     srvsvcl_initialize();
151     svc = ndr_svc_lookup_name("srvsvc");
152     if (svc == NULL)
153         return (ENOENT);

155     err = mlrpc_clh_create(&handle, ctx);
156     if (err)
157         return (err);

159     /*
160      * Try to bind to the RPC service.  If it fails,
161      * just return the error and the caller will
162      * fall back to RAP.
163      */
164     err = mlrpc_clh_bind(&handle, svc);
165     if (err)
166         goto out;

168     err = srvsvc_net_server_getinfo(&handle,
169         ctx->ct_fullserver, 101, &res);
170     if (err)
171         goto out;

173     sv101 = res.info101;

175     switch (sv101->sv101_platform_id) {
176     case SV_PLATFORM_ID_DOS:
177         platform_name = "DOS";
178         break;
179     case SV_PLATFORM_ID_OS2:
180         platform_name = "OS2";
181         break;
182     case SV_PLATFORM_ID_NT:
183         platform_name = "NT";
184         break;
185     case SV_PLATFORM_ID_OSF:
186         platform_name = "OSF";
187         break;
188     case SV_PLATFORM_ID_VMS:
189         platform_name = "VMS";
190         break;
191     default:
192         platform_name = pf_unk;

```

```

193         snprintf(pf_unk, sizeof (pf_unk), "(%d)",
194             sv101->sv101_platform_id);
195         break;
196     }

198     printf("server info:\n");
199     printf(" platform_id %s\n", platform_name);
200     printf(" vers.major %d\n", sv101->sv101_version_major);
201     printf(" vers.minor %d\n", sv101->sv101_version_minor);

203     if (smb_verbose)
204         printf(" type_flags 0x%x\n", sv101->sv101_type);

206     printf(" name    \"%s\"\n", sv101->sv101_name);
207     printf(" comment \"%s\"\n", sv101->sv101_comment);

209 out:
210     (void) mlrpc_clh_free(&handle);
211     return (err);
212 }

```

```

*****
4279 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/shares_rap.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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28 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
29 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
30 * SUCH DAMAGE.
31 *
32 * from: Id: view.c,v 1.9 2002/02/20 09:26:42 bp Exp
33 */

35 /*
36  * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
37 */

39 #include <errno.h>
40 #include <stdio.h>
41 #include <stdlib.h>
42 #include <string.h>

44 #include <netsmb/mchain.h> /* letohs, etc. */
45 #include <netsmb/smb.h>
46 #include <netsmb/smb_lib.h>
47 #include <netsmb/smb_rap.h>

49 #include "common.h"

51 /*
52  * Enumerate shares using Remote Administration Protocol (RAP)
53  * Was in libsmfbs netshareenum.c
54  */

56 struct smb_share_info_1 {
57     char      shil_netname[13];
58     char      shil_pad;
59     uint16_t  shil_type;
60     uint32_t  shil_remark; /* char * */

```

```

61 };

63 static int
64 smb_rap_NetShareEnum(struct smb_ctx *ctx, int sLevel, void *pbBuffer,
65                     int *cbBuffer, int *pcEntriesRead, int *pcTotalAvail)
66 {
67     struct smb_rap *rap;
68     long lval = -1;
69     int error;

71     error = smb_rap_create(0, "WrLeh", "B13BWz", &rap);
72     if (error)
73         return (error);
74     smb_rap_setNparam(rap, sLevel); /* W - sLevel */
75     smb_rap_setPparam(rap, pbBuffer); /* r - pbBuffer */
76     smb_rap_setNparam(rap, *cbBuffer); /* L - cbBuffer */
77     error = smb_rap_request(rap, ctx);
78     if (error == 0) {
79         *pcEntriesRead = rap->r_entries;
80         error = smb_rap_getNparam(rap, &lval);
81         *pcTotalAvail = lval;
82         /* Copy the data length into the IN/OUT variable. */
83         *cbBuffer = rap->r_rcvbuflen;
84     }
85     error = smb_rap_error(rap, error);
86     smb_rap_done(rap);
87     return (error);
88 }

90 int
91 share_enum_rap(smb_ctx_t *ctx)
92 {
93     struct smb_share_info_1 *shi;
94     void *rpbuff;
95     char *cp;
96     int error, bufsize, i, rcnt, total;
97     int lbound, rbound;
98     uint16_t type;

100     bufsize = 0xfffe; /* samba notes win2k bug for 65535 */
101     rpbuff = malloc(bufsize);
102     if (rpbuff == NULL)
103         return (errno);

105     error = smb_rap_NetShareEnum(ctx, 1, rpbuff, &bufsize, &rcnt, &total);
106     if (error &&
107         error != (ERROR_MORE_DATA | SMB_RAP_ERROR))
108         goto out;

110     /*
111      * Bounds for offsets to comments strings.
112      * After the array, and before the end.
113      */
114     lbound = rcnt * (sizeof (struct smb_share_info_1));
115     rbound = bufsize;

117     /* Print the header line. */
118     view_print_share(NULL, 0, NULL);

120     for (shi = rpbuff, i = 0; i < rcnt; i++, shi++) {
121         type = letohs(shi->shil_type);

123         shi->shil_pad = '\0'; /* ensure null termination */

125         /*
126          * Offsets to comment strings can be trash.

```

```
127     * Only print when the offset is valid.
128     */
129     if (shi->shil_remark >= lbound &&
130         shi->shil_remark < rbound) {
131         cp = (char *)rpbuff + shi->shil_remark;
132     } else
133         cp = NULL;
134
135     /* Convert from OEM to local codeset? */
136     view_print_share(shi->shil_netname, type, cp);
137 }
138 error = 0;
139
140 out:
141     free(rpbuff);
142     return (error);
143 }
```

```

*****
1895 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/shares_rpc.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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9  * http://www.illumos.org/license/CDDL.
10 */

12 /*
13  * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
14 */

16 /*
17  * Share enumeration using Remote Procedure Call (RPC)
18 */

20 #include <sys/types.h>

22 #include <errno.h>
23 #include <stdio.h>
24 #include <stdlib.h>
25 #include <string.h>

27 #include <libmlrpc/libmlrpc.h>
28 #include <netsmb/smbfs_api.h>
29 #include "srvsvcl_clnt.h"
30 #include "common.h"

32 int
33 share_enum_rpc(struct smb_ctx *ctx, char *server)
34 {
35     mlrpc_handle_t handle;
36     ndr_service_t *svc;
37     union mslm_NetShareEnum_ru res;
38     struct mslm_NetShareInfo_l *nsil;
39     int err, i, count;

41     /*
42      * Create an RPC handle using the smb_ctx we already have.
43      * Just local allocation and initialization.
44      */
45     srvsvcl_initialize();
46     svc = ndr_svc_lookup_name("srvsvc");
47     if (svc == NULL)
48         return (ENOENT);

50     err = mlrpc_clh_create(&handle, ctx);
51     if (err)
52         return (err);

54     /*
55      * Try to bind to the RPC service. If it fails,
56      * just return the error and the caller will
57      * fall back to RAP.
58      */
59     err = mlrpc_clh_bind(&handle, svc);
60     if (err)

```

```

61         goto out;

63     err = srvsvc_net_share_enum(&handle, server, 1, &res);
64     if (err)
65         goto out;

67     /* Print the header line. */
68     view_print_share(NULL, 0, NULL);

70     /* Print the share list. */
71     count = res.bufptr1->entriesread;
72     i = 0, nsil = res.bufptr1->entries;
73     while (i < count) {
74         /* Convert UTF-8 to local code set? */
75         view_print_share((char *)nsil->shil_netname,
76                         nsil->shil_type, (char *)nsil->shil_comment);
77         i++, nsil++;
78     }

80 out:
81     (void) mlrpc_clh_free(&handle);
82     return (err);
83 }

```

```

*****
5424 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/smbutil.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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38  */

40 #include <sys/param.h>
41 #include <sys/time.h>
42 #include <stdio.h>
43 #include <string.h>
44 #include <unistd.h>
45 #include <stdlib.h>
46 #include <err.h>
47 #include <sysexits.h>
48 #include <locale.h>
49 #include <libintl.h>

51 #include <netsmb/smb_lib.h>

53 #include "common.h"

55 #ifndef EX_DATAERR
56 #define EX_DATAERR 1
57 #endif

59 static void help(void);

```

```

62 typedef int cmd_fn_t (int argc, char *argv[]);
63 typedef void cmd_usage_t (void);

65 #define CMDFL_NO_KMOD 0x0001

67 static struct commands {
68     const char *name;
69     cmd_fn_t *fn;
70     cmd_usage_t *usage;
71     int flags;
72 } commands[] = {
73     {"crypt", cmd_crypt, NULL, CMDFL_NO_KMOD},
74     {"help", cmd_help, help_usage, CMDFL_NO_KMOD},
75     {"info", cmd_info, info_usage, 0},
76     {"login", cmd_login, login_usage, 0},
77     {"logout", cmd_logout, logout_usage, 0},
78     {"logoutall", cmd_logoutall, logoutall_usage, 0},
79     {"lookup", cmd_lookup, lookup_usage, CMDFL_NO_KMOD},
80     {"print", cmd_print, print_usage, 0},
81     {"status", cmd_status, status_usage, CMDFL_NO_KMOD},
82     {"view", cmd_view, view_usage, 0},
83     {NULL, NULL, NULL, 0}
84 };
      unchanged portion omitted

187 static void
188 help(void) {
189     printf("\n");
190     printf(gettext("usage: %s [-hv] subcommand [args]\n"), __progname);
191     printf(gettext("where subcommands are:\n"));
192     " crypt          slightly obscure password\n"
193     " help           display help on specified subcommand\n"
194     /* " lc          display active connections\n" */
195     " info          display server type and version\n"
196     " login         login to specified host\n"
197     " logout        logout from specified host\n"
198     " logoutall     logout all users (requires privilege)\n"
199     " lookup        resolve NetBIOS name to IP address\n"
200     " print         print file to the specified remote printer\n"
201     " status        resolve IP address or DNS name to NetBIOS names\n"
202     " view         list resources on specified host\n"
203     "\n");
204     exit(1);
205 }
      unchanged portion omitted

```



```

*****
4181 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvc1.ndl
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
*****
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18 *
19 * CDDL HEADER END
20 */

22 /*
23 * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
24 */

26 /*
27 * SRVSVC - Server Service (partial)
28 *
29 * This module needs only NetShareEnum (levels 0, 1)
30 * and NetServerGetInfo (levels 100, 101)
31 */

33 #include <libmlrpc/ndrtypes.ndl>

35 /*
36 * SRVSVC - Server Service
37 */

39 #define SRVSVC_OPNUM_NetShareEnum          0x0f
40 #define SRVSVC_OPNUM_NetServerGetInfo     0x15

42 /*
43 * SRVSVC NetShareEnum (
44 *   IN LPTSTR   servername,
45 *   IN DWORD    level;
46 *   OUT union switch(level) {
47 *     case 0: struct {
48 *       DWORD entriesread;
49 *       [size_is(entriesread)]
50 *       _SHARE_INFO_0 *entries;
51 *     } *bufptr0;
52 *     case 1: struct {
53 *       DWORD entriesread;
54 *       [size_is(entriesread)]
55 *       _SHARE_INFO_1 *entries;
56 *     } *bufptr1;
57 *     ...
58 *   } bufptr,
59 *   IN DWORD    pefmaxlen,
60 *   OUT DWORD   totalentries,

```

```

61 *   IN OUT DWORD ?* resume_handle,
62 *   OUT DWORD    status
63 *   )
64 */

66 struct mslm_NetShareInfo_0 {
67     LPTSTR shi0_netname;
68 };
69 struct mslm_NetShareInfo_0_result {
70     DWORD entriesread;
71     SIZE_IS(entriesread)
72     struct mslm_NetShareInfo_0 *entries;
73 };

75 struct mslm_NetShareInfo_1 {
76     LPTSTR shi1_netname;
77     DWORD shi1_type; /* type of resource such as IPC$ */
78     LPTSTR shi1_comment;
79 };
80 struct mslm_NetShareInfo_1_result {
81     DWORD entriesread;
82     SIZE_IS(entriesread)
83     struct mslm_NetShareInfo_1 *entries;
84 };

86 union mslm_NetShareEnum_ru {
87     CASE(0) struct mslm_NetShareInfo_0_result *bufptr0;
88     CASE(1) struct mslm_NetShareInfo_1_result *bufptr1;
89     DEFAULT char *nullptr;
90 };
91 struct mslm_NetShareEnum_result {
92     DWORD level;
93     SWITCH(level)
94     union mslm_NetShareEnum_ru ru;
95 };

98 OPERATION(SRVSVC_OPNUM_NetShareEnum)
99 struct mslm_NetShareEnum {
100     IN LPTSTR servername;
101     INOUT DWORD level;
102     INOUT struct mslm_NetShareEnum_result result;
103     IN DWORD pefmaxlen;
104     OUT DWORD totalentries;
105     INOUT DWORD *resume_handle;
106     OUT DWORD status;
107 };

110 /*
111 * SRVSVC NetServerGetInfo (
112 *   IN LPTSTR   servername,
113 *   IN DWORD    level,
114 *   OUT union switch(level) {
115 *     case 100: _SERVER_INFO_100 * p100;
116 *     case 101: _SERVER_INFO_101 * p101;
117 *     case 102: _SERVER_INFO_102 * p102;
118 *   } bufptr,
119 *   OUT DWORD   status
120 *   )
121 */

123 /* for svX_platform (note: decimal!) */
124 #define SV_PLATFORM_ID_DOS 300
125 #define SV_PLATFORM_ID_OS2 400
126 #define SV_PLATFORM_ID_NT 500

```

```
127 #define SV_PLATFORM_ID_OSF      600
128 #define SV_PLATFORM_ID_VMS     700

130 struct mslm_SERVER_INFO_100 {
131     DWORD      sv100_platform_id;
132     LPTSTR     sv100_name;
133 };

135 struct mslm_SERVER_INFO_101 {
136     DWORD      sv101_platform_id;
137     LPTSTR     sv101_name;
138     DWORD      sv101_version_major;
139     DWORD      sv101_version_minor;
140     DWORD      sv101_type;
141     LPTSTR     sv101_comment;
142 };

144 union mslm_NetServerGetInfo_ru {
145     CASE(100)    struct mslm_SERVER_INFO_100 *info100;
146     CASE(101)    struct mslm_SERVER_INFO_101 *info101;
147     DEFAULT     char *nullptr;
148 };

150 struct mslm_NetServerGetInfo_result {
151     DWORD level;
152     SWITCH(level)
153     union mslm_NetServerGetInfo_ru ru;
154 };

157 OPERATION(SRVSVCL_OPNUM_NetServerGetInfo)
158 struct mslm_NetServerGetInfo {
159     IN LPTSTR     servername;
160     IN DWORD     level;
161     OUT struct mslm_NetServerGetInfo_result result;
162     OUT DWORD    status;
163 };

166 /*
167 * The SRVSVCL interface
168 */
169 INTERFACE(0)
170 union srvsvcl_interface {
171     CASE(SRVSVCL_OPNUM_NetShareEnum)
172     struct mslm_NetShareEnum      NetShareEnum;
173     CASE(SRVSVCL_OPNUM_NetServerGetInfo)
174     struct mslm_NetServerGetInfo  NetServerGetInfo;
175 };
176 typedef union srvsvcl_interface  srvsvcl_interface_t;
177 EXTERNTYPEINFO(srvsvcl_interface)
```

```
new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvcl_clnt.c
```

1

```
*****
3558 Sun Mar 18 01:13:11 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvcl_clnt.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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19 * CDDL HEADER END
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21
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25 *
26 * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
27 */
28
29 /*
30 * A few excerpts from lib/smbdrv/libmlsvc
31 * See longer comment in srvsvcl.ndl
32 */
33
34 #include <sys/errno.h>
35 #include <stdio.h>
36 #include <time.h>
37 #include <strings.h>
38 #include <time.h>
39
40 #include <libmlrpc/libmlrpc.h>
41 #include "srvsvcl_clnt.h"
42
43 static ndr_service_t srvsvc_service = {
44     "SRVSVC",                /* name */
45     "Server services",      /* desc */
46     "\\srvsvc",             /* endpoint */
47     "\\PIPE\ntsvcs",        /* sec_addr_port */
48     "4b324fc8-1670-01d3-1278-5a47bf6ee188", 3, /* abstract */
49     NDR_TRANSFER_SYNTAX_UUID, 2, /* transfer */
50     0,                       /* no bind_instance_size */
51     0,                       /* no bind_req() */
52     0,                       /* no unbind_and_close() */
53     0,                       /* use generic_call_stub() */
54     &TYPEINFO(srvsvc_interface), /* interface_ti */
55     NULL,                   /* stub_table */
56 };
57
58 /*
59 * srvsvc_initialize
60 */
```

```
new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvcl_clnt.c
```

2

```
61 * This function registers the SRVSVC RPC interface with the RPC runtime
62 * library. It must be called in order to use either the client side
63 * or the server side functions.
64 */
65 void
66 srvsvcl_initialize(void)
67 {
68     static int init_done;
69     if (init_done)
70         return;
71     init_done = 1;
72     (void) ndr_svc_register(&srvsvc_service);
73 }
74
75 /*
76 * Client-side stub for NetServerGetInfo
77 */
78 int
79 srvsvc_net_server_getinfo(mlrpc_handle_t *handle, char *server,
80     int level, union mslm_NetServerGetInfo_ru *resp)
81 {
82     struct mslm_NetServerGetInfo arg;
83     int len, opnum, rc;
84
85     opnum = SRVSVC_OPNUM_NetServerGetInfo;
86     bzero(&arg, sizeof (arg));
87
88     len = strlen(server) + 4;
89     arg.servername = ndr_rpc_malloc(handle, len);
90     if (arg.servername == NULL)
91         return (ENOMEM);
92
93     (void) snprintf((char *)arg.servername, len, "\\\\"%s", server);
94     arg.level = level;
95
96     rc = ndr_rpc_call(handle, opnum, &arg);
97     if ((rc != 0) || (arg.status != 0))
98         return (EIO);
99
100     *resp = arg.result.ru;
101     return (0);
102 }
103
104 /*
105 * Client-side stub for NetShareEnum
106 */
107 int
108 srvsvc_net_share_enum(mlrpc_handle_t *handle, char *server,
109     int level, union mslm_NetShareEnum_ru *resp)
110 {
111     /* Any enum result type is OK for nres. */
112     struct mslm_NetShareInfo_0_result nres;
113     struct mslm_NetShareEnum arg;
114     int len, opnum, rc;
115
116     opnum = SRVSVC_OPNUM_NetShareEnum;
117     bzero(&nres, sizeof (nres));
118     bzero(&arg, sizeof (arg));
119
120     len = strlen(server) + 4;
121     arg.servername = ndr_rpc_malloc(handle, len);
122     if (arg.servername == NULL)
123         return (ENOMEM);
124
125     (void) snprintf((char *)arg.servername, len, "\\\\"%s", server);
126     arg.level = level;
```

```
127     arg.result.level = level;
128     arg.result.ru.bufptr0 = &nres;
129     arg.prefmaxlen = 0xFFFFFFFF;
130     arg.resume_handle = NULL;

132     rc = ndr_rpc_call(handle, opnum, &arg);
133     if ((rc != 0) || (arg.status != 0))
134         return (EIO);

136     *resp = arg.result.ru;
137     return (0);
138 }
```

new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvcl_clnt.h

1

1471 Sun Mar 18 01:13:11 2018

new/usr/src/cmd/fs.d/smbclnt/smbutil/srvsvcl_clnt.h
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...

```
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20 */

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26 * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
27 */

29 #ifndef _SRVSVCL_CLNT_H
30 #define _SRVSVCL_CLNT_H

32 /*
33 * Excerpts from lib/smbdrv/libmlsvc
34 * Just enough for share enumeration.
35 */

37 #include <libmlrpc/libmlrpc.h>
38 #include "srvsvcl.ndl"

40 void srvsvcl_initialize(void);
41 int srvsvcl_net_share_enum(mlrpc_handle_t *handle, char *server,
42     int level, union mslm_NetShareEnum_ru *resp);
43 int srvsvcl_net_server_getinfo(mlrpc_handle_t *handle, char *server,
44     int level, union mslm_NetServerGetInfo_ru *resp);

46 #endif /* _SRVSVCL_CLNT_H */
```

```

*****
4987 Sun Mar 18 01:13:12 2018
new/usr/src/cmd/fs.d/smbclnt/smbutil/view.c
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
*****
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28 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
29 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
30 * SUCH DAMAGE.
31 *
32 * $Id: view.c,v 1.9 2004/12/13 00:25:39 lindak Exp $
33 */

35 /*
36  * Copyright (c) 2008, 2010, Oracle and/or its affiliates. All rights reserved.
37  * Copyright 2013 Nexenta Systems, Inc. All rights reserved.
38  */

40 #include <sys/types.h>
41 #include <errno.h>
42 #include <stdio.h>
43 #include <err.h>
44 #include <unistd.h>
45 #include <strings.h>
46 #include <stdlib.h>
47 #include <sysexits.h>
48 #include <libintl.h>

50 #include <netsmb/smb.h>
51 #include <netsmb/smb_lib.h>
51 #include <netsmb/smb_netshareenum.h>

52 #include "common.h"

54 static int use_rap;
55 int enum_shares(smb_ctx_t *);
56 void print_shares(int, int, struct share_info *);

56 void

```

```

57 view_usage(void)
58 {
59     printf(gettext("usage: smbutil view [connection options] //"
60                 "[workgroup;][user[:password@]server\n"));
61     exit(1);
62 }

64 int
65 cmd_view(int argc, char *argv[])
66 {
67     struct smb_ctx *ctx;
68     int error, err2, opt;

70     if (argc < 2)
71         view_usage();

73     error = smb_ctx_alloc(&ctx);
74     if (error)
75         return (error);

77     error = smb_ctx_scan_argv(ctx, argc, argv,
78                             SMBL_SERVER, SMBL_SERVER, USE_WILDCARD);
79     if (error)
80         goto out;
82     return (error);

82     error = smb_ctx_readrc(ctx);
83     if (error)
84         goto out;
86     return (error);

86     while ((opt = getopt(argc, argv, STDPARAM_OPT)) != EOF) {
87         if (opt == '?')
88             view_usage();
89         /*
90          * This is an undocumented option, just for testing.
91          * Use the old LanMan Remote API Protocol (RAP) for
92          * enumerating shares.
93          */
94         if (opt == 'B') {
95             use_rap++;
96             continue;
97         }
98         error = smb_ctx_opt(ctx, opt, optarg);
99         if (error)
100             goto out;
103     }

103     smb_ctx_setshare(ctx, "IPC$", USE_IPC);

105     /*
106      * Resolve the server address,
107      * setup derived defaults.
108      */
109     error = smb_ctx_resolve(ctx);
110     if (error)
111         goto out;
104     return (error);

113     /*
114      * Have server, share, etc. from above:
115      * smb_ctx_scan_argv, option settings.
116      * Get the session and tree.
117      */
118     again:

```

```

119     error = smb_ctx_get_ssn(ctx);
120     if (error == EAUTH) {
121         err2 = smb_get_authentication(ctx);
122         if (err2 == 0)
123             goto again;
124     }
125     if (error) {
126         smb_error(gettext("/%s: login failed"),
127                 error, ctx->ct_fullserver);
128         goto out;
129     }
130
131     error = smb_ctx_get_tree(ctx);
132     if (error) {
133         smb_error(gettext("/%s/%s: tree connect failed"),
134                 error, ctx->ct_fullserver, ctx->ct_origshare);
135         goto out;
136     }
137
138     /*
139     * Have IPC$ tcon, now list shares.
140     * Try RPC; if that fails, do RAP.
141     * This prints its own errors.
142     */
143     if (!use_rap)
144         error = share_enum_rpc(ctx, ctx->ct_fullserver);
145     if (error || use_rap)
146         error = share_enum_rap(ctx);
147     error = enum_shares(ctx);
148     if (error)
149         return (error);
150
151 out:
152     smb_ctx_free(ctx);
153     return (0);
154 }
155
156 _____unchanged_portion_omitted_____
157 #endif
158
159 /*
160 * Print one line of the share list, or
161 * if SHARE is null, print the header line.
162 */
163 int
164 enum_shares(smb_ctx_t *ctx)
165 {
166     struct share_info *share_info;
167     int error, entries, total;
168
169     /*
170     * XXX: Later, try RPC first,
171     * then fall back to RAP...
172     */
173     error = smb_netshareenum(ctx, &entries, &total, &share_info);
174     if (error) {
175         smb_error(gettext("/%s failed to list shares"),
176                 error, ctx->ct_fullserver);
177         return (error);
178     }
179     print_shares(entries, total, share_info);
180     return (0);
181 }
182
183 void
184 view_print_share(char *share, int type, char *comment)

```

```

182 print_shares(int entries, int total,
183             struct share_info *share_info)
184 {
185     char *stname;
186     int stindex;
187     struct share_info *ep;
188     int i;
189
190     if (share == NULL) {
191         printf(gettext("Share      Type      Comment\n"));
192         printf("-----\n");
193         return;
194     }
195     for (ep = share_info, i = 0; i < entries; i++, ep++) {
196         int sti = ep->type & STYPE_MASK;
197         if (sti > STYPE_UNKNOWN)
198             sti = STYPE_UNKNOWN;
199         printf("%-12s %-10s %s\n", ep->netname,
200             gettext(shtype[sti]),
201             ep->remark ? ep->remark : "");
202         free(ep->netname);
203         free(ep->remark);
204     }
205     printf(gettext("\n%d shares listed from %d available\n"),
206           entries, total);
207
208     stindex = type & STYPE_MASK;
209     if (stindex > STYPE_UNKNOWN)
210         stindex = STYPE_UNKNOWN;
211     stname = gettext(shtype[stindex]);
212
213     if (comment == NULL)
214         comment = "";
215
216     printf("%-12s %-10s %s\n", share, stname, comment);
217     free(share_info);
218 }
219
220 _____unchanged_portion_omitted_____

```

```

*****
2686 Sun Mar 18 01:13:12 2018
new/usr/src/lib/libmbfs/Makefile.com
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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25 # Copyright 2015 Igor Kozhukhov <ikozhukhov@gmail.com>
26 #
27 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
28 #
29 #
30 #
31 # lib/libmbfs/Makefile.com
32 #
33 #
34 LIBRARY=      libmbfs.a
35 VERS=        .1
36 #
37 # leaving out: kiconv.o
38 #
39 OBJ_LIB=\
40 acl_api.o \
41 acl_print.o \
42 charsets.o \
43 cftop.o \
44 connect.o \
45 crypt.o \
46 ctx.o \
47 derparse.o \
48 file.o \
49 findvc.o \
50 getaddr.o \
51 iod_cl.o \
52 iod_wk.o \
53 keychain.o \
54 krb5ssp.o \
55 mbuf.o \
56 nb.o \
57 nb_name.o \
58 nb_net.o \
59 nb_ssn.o \
60 nbns_rq.o \

```

```

61 negprot.o \
62 netshareenum.o \
63 newvc.o \
64 nls.o \
65 ntlm.o \
66 ntlmssp.o \
67 print.o \
68 rap.o \
69 rcfile.o \
70 rq.o \
71 signing.o \
72 spnego.o \
73 spnego.o \
74 spnego.o \
75 ssnsetup.o \
76 ssp.o \
77 subr.o \
78 ui-sun.o \
79 utf_str.o
80 #
81 OBJ_CMN= smbfs_ntacl.o
82 #
83 include $(SRC)/lib/Makefile.lib
84 #
85 LIBS =      $(DYNLIB) $(LINTLIB)
86 #
87 SRCDIR=     ../smb
88 CMNDIR=     $(SRC)/common/smbclnt
89 #
90 SRCS=       $(OBJ_LIB:%.o=$(SRCDIR)/%.c) \
91             $(OBJ_CMN:%.o=$(CMNDIR)/%.c)
92 #
93 $(LINTLIB) := SRCS = $(SRCDIR)/$(LINTSRC)
94 #
95 CSTD=       $(CSTD_GNU99)
96 #
97 LDLIBS += -lsocket -lnsl -lc -lmd -lpkcs11 -lkrb5 -lsec -lidmap
98 #
99 # normal warnings...
100 CFLAGS += $(CCVERBOSE)
101 #
102 CERRWARN += -_gcc=-Wno-uninitialized
103 CERRWARN += -_gcc=-Wno-unused-variable
104 #
105 CPPFLAGS += -D__EXTENSIONS__ -D_REENTRANT -DMIA \
106             -I$(SRCDIR) -I.. -I../netsmb \
107             -I$(SRC)/uts/common \
108             -I$(SRC)/common/smbclnt
109 #
110 # Debugging
111 ${NOT_RELEASE_BUILD} CPPFLAGS += -DDEBUG
112 #
113 # uncomment these for dbx debugging
114 #COPTFLAG = -g
115 #CTF_FLAGS =
116 #CTFCONVERT_O=
117 #CTFMERGE_LIB=
118 #
119 # Filter out the less important lint.
120 # See lgrep.awk
121 LGREP = $(AWK) -f $(SRCDIR)/lgrep.awk
122 LTAIL += 2>&1 | $(LGREP)
123 #
124 all: $(LIBS)

```


new/usr/src/lib/libmbfs/Makefile.com

3

```
126 lint: lintcheck_t
128 include ../../Makefile.targ
130 lintcheck_t: $$SRCS
131     $(LINT.c) $(LINTCHECKFLAGS) $(SRCS) $(LDLIBS) $(LTAIL)
133 objs/%.o pics/%.o: $(CMNDIR)/%.c
134     $(COMPILE.c) -o $@ $<
135     $(POST_PROCESS_0)
137 .KEEP_STATE:
```

new/usr/src/lib/libmbfs/smb/l1ib-lsmbfs

1

1202 Sun Mar 18 01:13:12 2018

new/usr/src/lib/libmbfs/smb/l1ib-lsmbfs

3328 smbutil view doesn't work with Win2008 and later

requires 1575 untangle libmlrpc ...

```
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27 */

29 /*LINTLIBRARY*/
30 /*PROTOLIB1*/

32 #include <netsmb/smbfs_api.h>
33 #include <netsmb/smbfs_acl.h>

35 #include <netsmb/smb_lib.h>
36 #include <netsmb/smb_keychain.h>
37 #include <netsmb/smb_netshareenum.h>
37 #include <netsmb/smb_rap.h>
38 #include <netsmb/spnego.h>
```

```

*****
3686 Sun Mar 18 01:13:12 2018
new/usr/src/lib/libmbfs/smb/mapfile-vers
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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20 #
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22 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
23 #
24 #
25 #
26 # MAPFILE HEADER START
27 #
28 # WARNING: STOP NOW. DO NOT MODIFY THIS FILE.
29 # Object versioning must comply with the rules detailed in
30 #
31 #     usr/src/lib/README.mapfiles
32 #
33 # You should not be making modifications here until you've read the most current
34 # copy of that file. If you need help, contact a gatekeeper for guidance.
35 #
36 # MAPFILE HEADER END
37 #
38 #
39 $mapfile_version 2
40 #
41 SYMBOL_VERSION SUNWprivate {
42     global:
43         convert_leunicode_to_utf8;
44         convert_unicode_to_utf8;
45         convert_utf8_to_leunicode;
46         convert_utf8_to_unicode;
47         convert_utf8_to_winc;
48         convert_winc_to_utf8;
49 #
50     nb_ctx_create;
51     nb_ctx_done;
52     nb_ctx_readrcsection;
53     nb_ctx_resolve;
54     nb_ctx_setns;
55     nb_resolvehost_in;
56     nb_strerror;
57     nbns_getnodestatus;
58     nbns_resolvename;
59 #
60     nls_str_toloc;

```

```

61     nls_str_upper;
62 #
63     smb_close_rcfile;
64 #
65     smb_ctx_alloc;
66     smb_ctx_done;
67     smb_ctx_flags2;
68     smb_ctx_free;
69     smb_ctx_get_ssn;
70     smb_ctx_get_tree;
71     smb_ctx_gethandle;
72     smb_ctx_init;
73     smb_ctx_kill;
74     smb_ctx_opt;
75     smb_ctx_parseunc;
76     smb_ctx_readrc;
77     smb_ctx_resolve;
78     smb_ctx_scan_argv;
79     smb_ctx_set_close_hook;
80 #
81     smb_ctx_setauthflags;
82     smb_ctx_setdomain;
83     smb_ctx_setfullserver;
84     smb_ctx_setnbflags;
85     smb_ctx_setpassword;
86     smb_ctx_setpwhash;
87     smb_ctx_setscope;
88     smb_ctx_setserver;
89     smb_ctx_setshare;
90     smb_ctx_setsigning;
91     smb_ctx_setsrvaddr;
92     smb_ctx_setuser;
93     smb_ctx_setwins;
94 #
95     smb_debug           { FLAGS = NODIRECT }; # data
96     smb_error;
97 #
98 # Functions to support named pipes
99     smb_fh_close;
100     smb_fh_getssnkey;
101     smb_fh_open;
102     smb_fh_read;
103     smb_fh_write;
104     smb_fh_xactnp;
105 #
106     smb_get_authentication;
107     smb_getprogname;
108     smb_iod_connect;
109     smb_iod_door_path;
110     smb_iod_open_door;
111     smb_iod_start;
112     smb_iod_work;
113     smb_lib_init;
114     smb_netshareenum; # will move to libnetapi
115     smb_open_printer;
116     smb_open_rcfile;
117     smb_simplecrypt;
118     smb_simpledecrypt;
119     smb_strerror;
120 # Functions to support the Remote Access Protocol (RAP)
121     smb_rap_create;
122     smb_rap_done;
123     smb_rap_error;
124     smb_rap_getNparam;
125     smb_rap_request;

```

```
126     smb_rap_setNparam;
127     smb_rap_setPparam;
128 #
129     smb_verbose           { FLAGS = NODIRECT }; # data
130 #
131 # Functions to support Access Control Lists (ACLs)
132     smbfs_acl_free_sd;
133     smbfs_acl_get;
134     smbfs_acl_getsd;
135     smbfs_acl_print_sd;
136     smbfs_acl_sd2zfs;
137     smbfs_acl_set;
138     smbfs_acl_setsd;
139     smbfs_acl_zfs2sd;
140 #
141     smbfs_default_dom_usr;
142     smbfs_keychain_add;
143     smbfs_keychain_addhash;
144     smbfs_keychain_chk;
145     smbfs_keychain_del;
146     smbfs_keychain_del_everyone;
147     smbfs_keychain_del_owner;
148
149     smbfs_set_default_domain;
150     smbfs_set_default_user;
151
152     smbutil_std_opts;
153
154     spnegoCreateNegTokenHint;
155     spnegoCreateNegTokenInit;
156     spnegoCreateNegTokenTarg;
157     spnegoFreeData;
158     spnegoGetContextFlags;
159     spnegoGetMechListMIC;
160     spnegoGetMechToken;
161     spnegoGetNegotiationResult;
162     spnegoGetSupportedMechType;
163     spnegoGetTokenType;
164     spnegoInitFromBinary;
165     spnegoIsMechTypeAvailable;
166     spnegoTokenGetBinary;
167     local:
168     *;
169 };
_____unchanged_portion_omitted_____
```

new/usr/src/pkg/manifests/service-file-system-smb.mf

1

```
*****
4426 Sun Mar 18 01:13:12 2018
new/usr/src/pkg/manifests/service-file-system-smb.mf
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2014 Nexenta Systems, Inc. All rights reserved.
25 #
26 #
27 set name=pkg.fmri value=pkg:/service/file-system/smb@$(PKGVERS)
28 set name=pkg.description value="SMB Server libraries and commands"
29 set name=pkg.summary value="SMB Server"
30 set name=info.classification \
31     value="org.opensolaris.category.2008:System/File System"
32 set name=variant.arch value=$(ARCH)
33 dir path=lib
34 dir path=lib/svc
35 dir path=lib/svc/manifest group=sys
36 dir path=lib/svc/manifest/network group=sys
37 dir path=lib/svc/manifest/network/smb group=sys
38 dir path=lib/svc/method
39 dir path=usr group=sys
40 dir path=usr/kernel group=sys
41 dir path=usr/kernel/drv group=sys
42 dir path=usr/kernel/drv/$(ARCH64) group=sys
43 dir path=usr/kernel/kmdb group=sys
44 dir path=usr/kernel/kmdb/$(ARCH64) group=sys
45 dir path=usr/lib
46 dir path=usr/lib/fs group=sys
47 dir path=usr/lib/fs/smb group=sys
48 dir path=usr/lib/fs/smb/$(ARCH64) group=sys
49 dir path=usr/lib/mdb group=sys
50 dir path=usr/lib/mdb/kvm group=sys
51 dir path=usr/lib/mdb/kvm/$(ARCH64) group=sys
52 dir path=usr/lib/reparse
53 dir path=usr/lib/security
54 dir path=usr/lib/smb
55 dir path=usr/lib/smb/dtrace
56 dir path=usr/sbin
57 dir path=usr/share/man
58 dir path=usr/share/man/man1m
59 dir path=usr/share/man/man4
60 dir path=usr/share/man/man5
```

new/usr/src/pkg/manifests/service-file-system-smb.mf

2

```
61 dir path=var group=sys
62 dir path=var/smb group=sys
63 dir path=var/smb/cvol group=sys
64 dir path=var/smb/cvol/windows group=sys
65 dir path=var/smb/cvol/windows/system32 group=sys
66 dir path=var/smb/cvol/windows/system32/vss group=sys
67 dir path=var/svc group=sys
68 driver name=smbdrv perms="* 0640 root sys"
69 file path=lib/svc/manifest/network/smb/server.xml group=sys mode=0444
70 file path=lib/svc/method/smbd mode=0555
71 file path=usr/kernel/drv/$(ARCH64)/smbdrv group=sys
72 file path=usr/kernel/drv/smbdrv.conf group=sys
73 file path=usr/kernel/kmdb/$(ARCH64)/smbdrv group=sys mode=0555
74 file path=usr/lib/fs/smb/$(ARCH64)/libshare_smb.so.1
75 file path=usr/lib/fs/smb/libshare_smb.so.1
76 file path=usr/lib/libmlrpc.so.2
77 file path=usr/lib/mdb/kvm/$(ARCH64)/smbdrv.so group=sys mode=0555
78 file path=usr/lib/reparse/libreparse_smb.so.1
79 file path=usr/lib/security/pam_smb_passwd.so.1
80 file path=usr/lib/smb/dtrace/smbd-all.d mode=0555
81 file path=usr/lib/smb/dtrace/smbd-authsvc.d mode=0555
82 file path=usr/lib/smb/dtrace/smbd-doorsvc.d mode=0555
83 file path=usr/lib/smb/dtrace/smbd-pipesvc.d mode=0555
84 file path=usr/lib/smb/dtrace/smbnode.d mode=0555
85 file path=usr/lib/smb/dtrace/smbd.d mode=0555
86 file path=usr/lib/smb/dtrace/smbvfs.d mode=0555
87 file path=usr/lib/smb/libmlsvc.so.1
88 file path=usr/lib/smb/libmlsmb.so.1
89 file path=usr/lib/smb/libmlsmbns.so.1
90 file path=usr/lib/smb/smbd mode=0555
91 file path=usr/sbin/smbadm mode=0555
92 file path=usr/sbin/smbstat mode=0555
93 file path=usr/share/man/man1m/smbadm.1m
94 file path=usr/share/man/man1m/smbd.1m
95 file path=usr/share/man/man1m/smbstat.1m
96 file path=usr/share/man/man4/smb.4
97 file path=usr/share/man/man5/pam_smb_passwd.5
98 file path=var/smb/cvol/windows/system32/eventlog.dll mode=0755
99 file path=var/smb/smbpasswd group=sys mode=0400 \
100     original_name=SUNWsmbs:var/smb/smbpasswd preserve=true
101 legacy pkg=SUNWsmbskr desc="SMB Server kernel root components" \
102     name="SMB Server (Kernel)"
103 legacy pkg=SUNWsmbsr desc="SMB Server root components" \
104     name="SMB Server (Root)"
105 legacy pkg=SUNWsmbsu desc="SMB Server libraries and commands" \
106     name="SMB Server (Usr)"
107 license cr_Sun license=cr_Sun
108 license lic_CDDL license=lic_CDDL
109 link path=usr/lib/reparse/libreparse_smb.so target=libreparse_smb.so.1
110 link path=usr/lib/security/pam_smb_passwd.so target=pam_smb_passwd.so.1
```

new/usr/src/pkg/manifests/system-file-system-smb.mf

1

```
*****
5015 Sun Mar 18 01:13:12 2018
new/usr/src/pkg/manifests/system-file-system-smb.mf
3328 smbutil view doesn't work with Win2008 and later
requires 1575 untangle libmlrpc ...
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21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
25 #
26 #
27 set name=pkg.fmri value=pkg:/system/file-system/smb@$(PKGVERS)
28 set name=pkg.description value="SMB/CIFS File System client support"
29 set name=pkg.summary value="SMB/CIFS File System client support"
30 set name=info.classification \
31     value="org.opensolaris.category.2008:System/File System"
32 set name=variant.arch value=$(ARCH)
33 dir path=lib
34 dir path=lib/svc
35 dir path=lib/svc/manifest group=sys
36 dir path=lib/svc/manifest/network group=sys
37 dir path=lib/svc/manifest/network/smb group=sys
38 dir path=lib/svc/method
39 dir path=usr group=sys
40 dir path=usr/bin
41 dir path=usr/kernel group=sys
42 dir path=usr/kernel/drv group=sys
43 dir path=usr/kernel/drv/$(ARCH64) group=sys
44 dir path=usr/kernel/fs group=sys
45 dir path=usr/kernel/fs/$(ARCH64) group=sys
46 dir path=usr/kernel/kmdb group=sys
47 dir path=usr/kernel/kmdb/$(ARCH64) group=sys
48 dir path=usr/lib
49 dir path=usr/lib/$(ARCH64)
50 dir path=usr/lib/fs group=sys
51 dir path=usr/lib/fs/smbfs group=sys
52 dir path=usr/lib/fs/smbfs/$(ARCH64) group=sys
53 dir path=usr/lib/mdb group=sys
54 dir path=usr/lib/mdb/kvm group=sys
55 dir path=usr/lib/mdb/kvm/$(ARCH64) group=sys
56 dir path=usr/lib/security
57 dir path=usr/lib/security/$(ARCH64)
58 dir path=usr/lib/smbfs
59 dir path=usr/share/man
60 dir path=usr/share/man/man1
```

new/usr/src/pkg/manifests/system-file-system-smb.mf

2

```
61 dir path=usr/share/man/man1m
62 dir path=usr/share/man/man4
63 dir path=usr/share/man/man5
64 dir path=usr/share/man/man7fs
65 driver name=nsmb perms="* 0666 root sys"
66 file path=lib/svc/manifest/network/smb/client.xml group=sys mode=0444
67 file path=lib/svc/method/smb-client mode=0555
68 file path=usr/bin/smbutil mode=0555
69 file path=usr/kernel/drv/$(ARCH64)/nsmb group=sys
70 file path=usr/kernel/drv/nsmb.conf group=sys
71 file path=usr/kernel/fs/$(ARCH64)/smbfs group=sys mode=0755
72 file path=usr/kernel/kmdb/$(ARCH64)/nsmb group=sys mode=0555
73 file path=usr/kernel/kmdb/$(ARCH64)/smbfs group=sys mode=0555
74 file path=usr/lib/$(ARCH64)/libsmbfs.so.1
75 file path=usr/lib/fs/smbfs/$(ARCH64)/libshare_smbfs.so.1
76 file path=usr/lib/fs/smbfs/dfshares mode=0555
77 file path=usr/lib/fs/smbfs/libshare_smbfs.so.1
78 file path=usr/lib/fs/smbfs/mount mode=4555
79 file path=usr/lib/fs/smbfs/share mode=0555
80 file path=usr/lib/fs/smbfs/umount mode=4555
81 file path=usr/lib/fs/smbfs/unshare mode=0555
82 file path=usr/lib/libmlrpc.so.2
83 file path=usr/lib/libsmbfs.so.1
84 file path=usr/lib/mdb/kvm/$(ARCH64)/nsmb.so mode=0555
85 file path=usr/lib/mdb/kvm/$(ARCH64)/smbfs.so mode=0555
86 file path=usr/lib/security/$(ARCH64)/pam_smbfs_login.so.1
87 file path=usr/lib/security/pam_smbfs_login.so.1
88 file path=usr/lib/smbfs/smbiod mode=0555
89 file path=usr/lib/smbfs/smbiod-svc mode=0555
90 file path=usr/share/man/man1/smbutil.1
91 file path=usr/share/man/man1m/mount_smbfs.1m
92 file path=usr/share/man/man1m/smbiod.1m
93 file path=usr/share/man/man4/nsmbrc.4
94 file path=usr/share/man/man5/pam_smbfs_login.5
95 file path=usr/share/man/man7fs/smbfs.7fs
96 legacy pkg=SUNWsmbskr desc="SMB/CIFS File System client support (Kernel)" \
97     name="SMB/CIFS File System client support (Kernel)"
98 legacy pkg=SUNWsmbsfr desc="SMB/CIFS File System client support (Root)" \
99     name="SMB/CIFS File System client support (Root)"
100 legacy pkg=SUNWsmbsfsu desc="SMB/CIFS File System client support (Usr)" \
101     name="SMB/CIFS File System client support (Usr)"
102 license cr_Sun license=cr_Sun
103 license lic_CDDL license=lic_CDDL
104 license usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.apple \
105     license=usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.apple
106 license usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.boris_popov \
107     license=usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.boris_popov
108 license usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.bsd4 \
109     license=usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.bsd4
110 license usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.microsoft \
111     license=usr/src/lib/libsmbfs/smb/THIRDPARTYLICENSE.microsoft
112 link path=usr/lib/security/$(ARCH64)/pam_smbfs_login.so \
113     target=pam_smbfs_login.so.1
114 link path=usr/lib/security/pam_smbfs_login.so target=pam_smbfs_login.so.1
115 link path=usr/share/man/man1m/umount_smbfs.1m target=mount_smbfs.1m
116 # libsmbfs uses iconv_open() which requires this at run-time.
117 depend fmri=system/library/iconv/utf-8 type=require
```