

MCR10111

Remove Obsolete Mailbox and Message Segment ACL Commands

Revision 1.0

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1 Problem Description

The following commands were made obsolete some time ago (over 34 years ago!):

- `mbx_set_acl`
- `mbx_list_acl`
- `mbx_delete_acl`
- `ms_set_acl`
- `ms_list_acl`
- `ms_delete_acl`

Since before MR12.5, invoking these commands would yield a message such as:

```
mbx_set_acl foo.mbx adros Swenson.SysAdmin
```

```
Warning: the mbx_set_acl command is obsolete and will be deleted next release.  
In the future, please use the set_acl command to perform its operation.
```

OR

```
mbx_list_acl foo.mbx
```

```
Warning: the mbx_list_acl command is obsolete and will be deleted next release.  
In the future, please use the list_acl command to perform its operation.
```

```
adros  Swenson.SysAdmin.*  
adrowse Swenson.*.*  
aow    *.SysDaemon.*  
aow    *.*.*
```

```
r 16:28 0.194 0
```

or

```
mbx_delete_acl foo.mbx Swenson.*
Warning: the mbx_delete_acl command is obsolete and will be deleted next release.
In the future, please use the delete_acl command to perform its operation.

r 16:28 0.158 0
```

Similar warning messages would be emitted for the message segment commands.

The `set_acl`, `list_acl`, and `delete_acl` commands were updated many years ago to handle message and mailbox segments.

It is time to retire these obsolete commands.

Ticket <https://multics-trac.swenson.org/ticket/126> describes the issue.

2 Proposed Change

The proposed change is to remove support for these 6 commands from `acl_commands.pl1` and to update the bindfile to no longer expose these commands on `bound_access_commands_`.

The proposed change also calls for deleting the info segments for these commands.

The following `compare_ascii` output for the changed segments makes clear the changes:

```
----- bound_access_commands_.bind

compare_ascii >ldd>sss>object>bound_access_commands_.archive::bound_access_commands_.bind
==

A70          mbx_delete_acl, mbda,
A71          mbx_delete_name, mbdn,
A72          mbx_list_acl, mbla,
A73          mbx_rename, mbrn,
A74          mbx_safety_switch_off, mbssf,
A75          mbx_safety_switch_on, mbssn,
A76          mbx_set_acl, mbsa,
A77          mbx_set_max_length, mbsml,
A78          ms_add_name, msan,
A79          ms_create, mscr,
A80          ms_delete, msdl,
A81          ms_delete_acl, msda,
A82          ms_delete_name, msdn,
A83          ms_list_acl, msla,
A84          ms_rename, msrn,
A85          ms_safety_switch_off, msssf,
A86          ms_safety_switch_on, msssn,
A87          ms_set_acl, mssa,
Changed by B to:
B70          mbx_delete_name, mbdn,
B71          mbx_rename, mbrn,
```

```

B72          mbx_safety_switch_off, mbssf,
B73          mbx_safety_switch_on, mbssn,
B74          mbx_set_max_length, mbsml,
B75          ms_add_name, msan,
B76          ms_create, mscr,
B77          ms_delete_name, msdn,
B78          ms_rename, msrn,
B79          ms_safety_switch_off, msssf,
B80          ms_safety_switch_on, msssn,


A107         list_accessible, lac, list_not_accessible, lnac,
A108         mbx_delete_acl, mbda, mbx_list_acl, mbla, mbx_set_acl, mbsa,
A109         ms_delete_acl, msda, ms_list_acl, msla, ms_set_acl, mssa;
Changed by B to:
B100         list_accessible, lac, list_not_accessible, lnac;


A120         mbx_delete_acl, mbda, mbx_list_acl, mbla, mbx_set_acl, mbsa,
A121         ms_delete_acl, msda, ms_list_acl, msla, ms_set_acl, mssa,
Deleted by B, preceding:
B111         hp_set_acl, hpsetacl, hpsa,
Comparison finished: 3 differences, 35 lines.

----- acl_commands_.pl1

compare_ascii >ldd>sss>source>bound_access_commands_..s.archive::acl_commands_.pl1 ==

A187  declare  MSEG_ACL                      init (102) fixed bin (10) internal static
        options (constant);
A188  declare  MBX_ACL                      init (103) fixed bin (10) internal static
        options (constant);
Deleted by B, preceding:
B187  declare  SEGMENT_IACL                 init (104) fixed bin (10) internal static
        options (constant);


A237  ms_set_acl: mssa:                      /* User command for setting
        message segment ACLs */
A238      entry () options (variable);
A239      call common ("ms_set_acl", MSEG_ACL, SET, NORMAL);
A240
A241  mbx_set_acl: mbsa:                      /* User command for setting
        mailbox ACLs */
A242      entry () options (variable);
A243      call common ("mbx_set_acl", MBX_ACL, SET, NORMAL);
A244
A245  ms_delete_acl: msda:                    /* User command for
        deleting message segment ACLs */
A246      entry () options (variable);
A247      call common ("ms_delete_acl", MSEG_ACL, DELETE, NORMAL);
A248

```

```

A249      mbx_delete_acl: mbda:                                /* User command for
      deleting mailbox ACLs */
A250          entry () options (variable);
A251          call common ("mbx_delete_acl", MBX_ACL, DELETE, NORMAL);
A252
Deleted by B, preceding:
B235      set_iacl_seg: sis:                                    /* Nonprivileged user
      command for setting segment IACLs */

A281      ms_list_acl: msla:                                    /* User command for listing
      message segment ACLs */
A282          entry () options (variable);
A283          call common ("ms_list_acl", MSEG_ACL, LIST, NORMAL);
A284
A285      mbx_list_acl: mbla:                                    /* User command for listing
      mailbox ACLs */
A286          entry () options (variable);
A287          call common ("mbx_list_acl", MBX_ACL, LIST, NORMAL);
A288
Deleted by B, preceding:
B263      list_accessible: lac:                                  /* User command for
      locating accessible objects */

A448          if (type = MBX_ACL) | (type = MSEG_ACL)
A449          then call ioa_ ("Warning: the ^a command is obsolete and will be deleted
      next release.^/In the future, please u
      \cse the ^a command to perform its operation.^/",
A450          whoami, after (whoami, "_"));
A451
Deleted by B, preceding:
B422          if (operation = ACCESSIBLE) then accessible = (whoami =
      "list_accessible");

A802          if type = MBX_ACL then type_suffix = "mbx";
A803          else if type = MSEG_ACL then type_suffix = "ms";
A804          else if limit_entry_types
Changed by B to:
B772          if limit_entry_types

A879          if (type = MBX_ACL) then xacl_allowed = "1"b; /* Always extended acls */
A880          else if (type = MSEG_ACL) then xacl_allowed = "1"b;
A881          else if (privilege ^= NORMAL) then xacl_allowed = "0"b; /* No hphcs_ or
      ring one stuff in fs_util_, after all *
      \c/
Changed by B to:
B847          if (privilege ^= NORMAL) then xacl_allowed = "0"b; /* No hphcs_ or ring
      one stuff in fs_util_, after all */

```

```

A1596          if (code = error_table_$not_seg_type) & ((type = MBX_ACL) | (type =
MSEG_ACL)) then do;
A1597          if ^star_sw then
A1598              call complain (0, whoami, "^a is not a ^[mailbox^;message
segment^].", err_path,
A1599                      (type = MBX_ACL));
A1600              goto SKIP_MATCH;
A1601          end;
A1602
A1603          else if code = error_table_$unsupported_operation & operation = LIST
then
Changed by B to:
B1562          if code = error_table_$unsupported_operation & operation = LIST then

Comparison finished: 7 differences, 47 lines.

```

The mbuild segment, showing the deleted info segments is below:

```

Description:
Delete obsolete ms_ and mbx_ acl commands.

Installation_directory: >sysbuild>mcrs>MCR10111;

Build_script:          MCR10111.mb;

Bound_obj:             bound_access_commands_      IN: sss UPDATE;
  bindfile:            bound_access_commands_.bind  REPLACE;
  source:              acl_commands_.pl1           REPLACE      compiler: pl1 -ot;

Info:                  mbx_delete_acl.info          IN: sss.info DELETE;
Info:                  mbx_list_acl.info            IN: sss.info DELETE;
Info:                  mbx_set_acl.info             IN: sss.info DELETE;
Info:                  ms_delete_acl.info           IN: sss.info DELETE;
Info:                  ms_list_acl.info             IN: sss.info DELETE;
Info:                  ms_set_acl.info              IN: sss.info DELETE;

```

3 Testing

No testing other than making sure that the `set_acl`, `delete_acl`, and `list_acl` commands work on mailbox (.mbx) and message (.ms) segments is required.

4 Documentation

No documentation changes are required other than including the list of commands and info segments removed in the Software Release Bulletin for the next release.

5 Version History

2021-12-28	1.0	Initial version of the MCR.
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