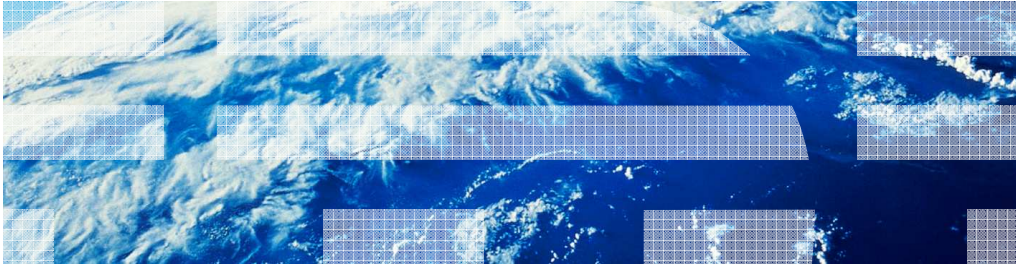


# z/OS V1R13

## ISPF: z/OS UNIX directory list enhancements



## Session objectives

- Describe the ISPF enhancement to support the management of user access control lists (ACLs) for z/OS UNIX files from the z/OS UNIX Directory List Utility
- Identify the reasons for this enhancement
- Understand how to use this enhancement
  - Invocation
  - Functional content
  - Associated publications and references

The purpose of this presentation is to describe the Simplification enhancement to ISPF for z/OS V1R13 to support updating of z/OS UNIX file ACLs from the z/OS UNIX Directory List Utility.

## Overview

- Problem Statement / Need Addressed
  - Adding ACL support is part of the long term plan for the z/OS UNIX Directory List Utility (ISPF option 3.17) to provide most of the functions currently support by the ISHELL utility
  - Reduce the need for users to switch between the z/OS UNIX Directory List Utility and ISHELL
- Solution
  - Provide a new z/OS UNIX Directory List Utility line command that invokes a dialog where the ACLs for a file can be managed
- Benefit / Value
  - Ease of Use: the user does not have to leave the z/OS UNIX Directory List Utility when they need to see or update ACLs for a file

Over a series of z/OS releases IBM is looking to expand the functions supported by the z/OS UNIX Directory List Utility (ISPF option 3.17) to support most of the functions supported by the z/OS UNIX ISHELL utility.

The aim of this plan is to reduce the need for the ISHELL utility.

Adding support to manage ACLs is part of this plan.

The ACL support is provided by a new z/OS UNIX Directory List Utility line command which invokes a dialog which allows the ACLs for a file to be displayed and updated

## Usage and invocation

- The z/OS UNIX Directory List Utility (ISPF option 3.17) now supports the new MA line command for the display and update of ACLs for a file
  - The MA line command can be entered against any file or directory in the list
  - When the ML line command is entered the z/OS UNIX ACL List panel is displayed showing a list of any ACL entries defined for the file
  - The z/OS UNIX ACL List panel supports the following primary commands:

<u>Command</u>	<u>Function</u>
A	Add a new ACL
SA	sort the ACL list alphabetically by userid
SN	sort the ACL list numerically on UID
ST	sort the ACL list alphabetically by type

The z/OS UNIX Directory List Utility now supports the MA line command, which can be entered against a file or directory entry

The MA line command displays the z/OS UNIX ACL List panel which shows a list of ACL entries defined for the file

The z/OS UNIX ACL List panel supports primary commands to add a new ACL entry and to sort the ACL list by userid, UID, or type

## Usage and invocation

– Each ACL entry on the z/OS UNIX ACL List panel has the following fields:

<u>Field</u>	<u>Description</u>
S	Input field for entering a line command against an ACL entry
UID	The z/OS user or group ID value (numeric)
Read	Indicates whether the user or group has the authority to read the file
Write	Indicates whether the user or group has the authority to write to the file
Execute	Indicates whether the user or group has the authority to execute the file
Name	The name associated with the UID value
Type	Indicates whether the ACL entry is for a user or group

Each entry on the z/OS UNIX ACL List panel shows the following information:

The user or group ID value

Whether the user or group has authority to read, write, or execute the file

The name associated with the UID value

Whether the ACL entry is for a user or group

## Usage and invocation

```

Menu Utilities View Options Help
-----
ISRUUDLO                                z/OS UNIX Directory List          Row 17 to 30 of 67
Command ==> _____ Scroll ==> CSR_

Pathname . : /u/hanko

Command  Filename                      Message                          Type Perm Audit
-----
ma_____ blank                          File 777+ fff--
_____ blzhank                          File 700 fff--

```

```

ISRUULMA                                z/OS UNIX ACL List                Row 1 from 78
Command ==> _____ Scroll ==> CSR_

S  UID      Read  Write  eXecute  Name      Type
-  ---      ---   ---   ---      ---      ---
-  108      R     -     -        BILLSWA   USER
-  607      R     -     -        MBOTES    USER
-  204      R     -     -        SCLMU     GROUP
-  991      R     -     -        TGROUP1   GROUP
-  992      R     W     X        TGROUP2   GROUP
-  993      R     W     -        TGROUP3   GROUP
***** Bottom of data *****

```

## Usage and invocation

– The following line commands can be entered in the S field for an ACL entry:

<u>Command</u>	<u>Description</u>
A	Add a new ACL entry
D	Delete the ACL entry
X	List the members for the group defined in the ACL entry

The following line commands are available to process an ACL entry:

A – add a new ACL entry

D – delete this ACL entry

X – list the members for the group in this ACL entry

## Usage and invocation

Adding a new ACL entry

```

ISRUULMA                               z/OS UNIX ACL List                               Row 1 from 78
Command ==> _____ Scroll ==> CSR_

S  UID      Read Write eXecute Name      Type
a  108      R                               BILLSWA  USER
  
```

```

ISRUULMI                               z/OS UNIX ACL Attributes
Command ==> |_____

Supply a numeric UID value or use the name field. If both are
are entered then the NAME field will be used.
Any non-blank character will set the r , w , x privileges.

UID . . . . . 0_____
Read . . . . . _
Write . . . . . _
eXecute . . . . . _
Name . . . . . _____
Type . . . . . _ Enter 1 for User or 2 for Group
  
```

To add a new ACL entry enter the primary command A or the line command A on the z/OS UNIX ACL List panel.

The z/OS UNIX ACL Attributes panel will be displayed.



## Usage and invocation

Adding a new ACL entry

```

ISRUULMI                               z/OS UNIX ACL Attributes
Command ==> _____

Supply a numeric UID value or use the name field. If both are
are entered then the NAME field will be used.
Any non-blank character will set the r , w , x privileges.

UID . . . . . 177 _____
Read . . . . . /
Write . . . . . /
eXecute . . . . . -
Name . . . . . _____
Type . . . . . 1 Enter 1 for User or 2 for Group
  
```

```

ISRUULMA                               z/OS UNIX ACL List                               Row 1 from 79
Command ==> _____ Scroll ==> CSR_

S  UID      Read  Write  eXecute  Name      Type
-  177      R      W      -        PVANDYK   USER
-  108      R      -      -        BILLSWA   USER
-  607      R      -      -        MBOTES    USER
  
```

Enter either the ID or the user or group in the UID field or the name of the user or group in the Name field.

Enter a non-blank character in the the Read, Write, and eXecute fields to indicate the authority the user or group should have for this file.

Indicate whether the entry is for a user or group in the Type field.

When the enter key is pressed the ACL entry is added and control is returned to the z/OS UNIX ACL List panel where the new ACL entry will be listed.

## Usage and invocation

Deleting an new ACL entry

```
ISRUULMA                                z/OS UNIX ACL List                                Row 1 from 79
Command ==> _____ Scroll ==> CSR

S  UID      Read  Write  eXecute  Name      Type
d  █ 177      R      W           PVANDYK  USER
_  108      R                                     BILLSWA  USER
```

```
ISRUULMA                                z/OS UNIX ACL List                                Row 1 from 78
Command ==> █ _____ Scroll ==> CSR

S  UID      Read  Write  eXecute  Name      Type
_  108      R                                     BILLSWA  USER
_  607      R                                     MBOTES  USER
```

To delete an ACL entry enter the line command D against the entry on the z/OS UNIX ACL List panel.

The z/OS UNIX ACL List panel will be redisplayed with the entry removed from the list.

## Usage and invocation

Displaying the list of members in a group

```

ISRUULMA                               z/OS UNIX ACL List                               Row 75 from 78
Command ==> _____ Scroll ==> CSR
S  UID      Read  Write  eXecute  Name      Type
x  █ 991      R      W      X      TGROUP1   GROUP
_  █ 992      R      W      X      TGROUP2   GROUP
  
```

```

ISRUULMX                               z/OS UNIX ACL Group Member List                               Row 16 from 78
Command ==> █ _____ Scroll ==> CSR
                                     Userid
                                     BILLSWA
                                     HANKO
***** Bottom of data *****
  
```

To display the list of member for a group defined in an ACL entry enter the line command X against the entry on the z/OS UNIX ACL List panel.

The z/OS UNIX ACL Group Member List panel will be displayed showing the list of members in the group.

## Interactions and dependencies

- None

## Migration and coexistence considerations

- None

## Installation

- None

## Session summary

- The MA line command in the z/OS UNIX Directory List Utility can be used to view and manage ACL entries for a file

## Appendix - References

- Publication changes
  - SC34-4823 ISPF User's Guide Volume II
    - Describes the new MA line command for the z/OS UNIX Directory List Utility





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