ES22

Message Interface

--Request message—

<EquinoxRawData orig="app.EC00.serv" name="FILECONTROL" type="[request|noreply]" invoke="xxx" ctype="unknown" to="app.ES22.x.x " ret="0">

<state id=”aaa” command=”[write |replace]” state\_type=”continue|successreturn|failedreturn” param=”<command param>” src=”[<full path>|<absolute path>]” dest=”[<full path>|<absolute path>]”>

<data value=”[<string to write>]” decode=”[default|yes|no]” />

<data decode=”[default|yes|no]” >[<string to write>]</data>

</state>

<state id=”bbb” command=”remove|restore|move|copy|list|compress|extract” state\_type=”continue|successreturn|failedreturn” param=”<command param>” src=”[<full path>|<absolute path>]” dest=”[<full path>|<absolute path>]” />

</EquinoxRawData>

**ERD type**

request: need to ES22 response result to AF.

noreply: don’t need ES22 response result.

**Parameter for command**

write:

- <O\_CREAT|O\_APPEND|S\_IRGRP|S\_IWGRP|S\_IROTH|S\_IWOTH> Open file mode(available to choose all, use pipe to delimiter). Force initial O\_RDWR and S\_IRUSR|S\_IWUSR .

\*ref : http://man7.org/linux/man-pages/man2/open.2.html

COMPRESS = compress file after write success.

remove:

- time in second for backup file.

restore:

- index of restore file.

-2 or null = Get backup information and backup list of file.

-1 = Restore latest remove of file.

0 or above = Index of file order by remove time (0 is oldest).

move:

R\_EXISTS = force replace if exists destination file.

copy:

- <S\_IRGRP|S\_IWGRP|S\_IROTH|S\_IWOTH|R\_EXISTS>

S\_IRGRP|S\_IWGRP|S\_IROTH|S\_IWOTH

= Destination file mode if create new file (available to choose all, use pipe to delimiter).

Force initial O\_RDWR and S\_IRUSR|S\_IWUSR .

\*ref : http://man7.org/linux/man-pages/man2/open.2.html

R\_EXISTS = force replace if destination path exists.

list:

none.

compress & extract:

-< RET\_NOTIFY | [C\_ZIP | C\_TARGZ] | R\_EXISTS >

RET\_NOTIFY = Send notify to AF if compress processing is finish.

C\_ZIP = Use zip to compress & extract file format. <default>

C\_TARGZ = Use tar.gz to compress & extract file format.

R\_EXISTS = force replace if destination file exists.

--Response message—

<EquinoxRawData orig="app.ES22.x.x" name="FILECONTROL" type="response" invoke="xxx" ctype="unknown" to="app.ES00 " ret="0">

<state id=”aaa” command=”[write|remove|restore|move|copy|list|replace|extract]” state\_type=”continue|successreturn|failedreturn” resultcode=”99” resultdescription=”xxxxxxx” />

<state id=”bbb” command=”[restore|list|compress]” state\_type=”continue|successreturn|failedreturn” resultcode=”99” resultdescription=”RES\_INFO|RES\_INPROGRESS”>

<info index=”0” detail=”xxxxxxxxxxxxxx”>

<info index=”1” detail=”xxxxxxxxxxxxxx”>

</state>

</EquinoxRawData>

--Notify message—

<EquinoxRawData orig="app.ES22.x.x" name="FILECONTROL" type="noreply" invoke="xxx" ctype="notify" to="app.ES00" ret="0">

<state id=”aaa” command=”[compress|extract]” state\_type=”continue|successreturn|failedreturn” resultcode=”99” resultdescription=”xxxxxxx” />

</EquinoxRawData>

-- Result Code and Result Description --

0 RES\_SUCCESS Success.

1 RES\_INFO Information.

2 RES\_INPROGRESS In progress.

11 RES\_OPENERROR Cannot open source or destination (file or directory).

12 RES\_ACCESSDENIED Source or destination (file or directory) is access denied.

13 RES\_ACCESSERROR Cannot access source or destination (file or directory).

14 RES\_SIZEEXCEEDS Source or destination file size is exceeds.

21 RES\_SRCEXISTS Source (file or directory) is already exists.

22 RES\_DESTEXISTS Destination (file or directory) is already exists.

23 RES\_SRCNOEXISTS Source (file or directory) is not found.

24 RES\_DESTNOEXISTS Destination (file or directory) is not found.

25 RES\_SRCEMPTY Source (file or directory) is empty.

26 RES\_DESTEMPTY Destination (file or directory) is empty.

27 RES\_SRCNOEMPTY Source (file or directory) is not empty.

28 RES\_DESTNOEMPTY Destination (file or directory) is not empty.

29 RES\_DESNOREPLACE Destination (file or directory) cannot replace.

31 RES\_WRITEERROR Write command have some data, parameter or access permission is invalid.

32 RES\_MOVEERROR Move command have some parameter or access permission is invalid.

33 RES\_REPLACEERROR Cannot replace file to destination.

34 RES\_READERROR Cannot read file or directory.

35 RES\_LISTERROR List command cannot list file in directory.

36 RES\_REMOVEERROR Remove command is error.

37 RES\_RESTOREERROR Restore file is error.

38 RES\_COMPRESSERROR Compress command is fail.

41 RES\_INTERRUPT Statement have some interrupt.

51 RES\_AIOSUBMITERROR Statement have error when submit aio.

52 RES\_AIOCANNOTSUBMIT Statement cannot submit aio.

81 RES\_NOTIMPLEMENT Command haven’t implement or invalid command.

82 RES\_PARAMERROR Some parameter is invalid.

91 RES\_INTERNALERROR ES22 internal error.

92 RES\_EXECUTEFAIL Execution failed.

99 RES\_UNKNOWNERROR Command have some unknown error.

-- Information detail format for response <info> --

list :

<name>:<type>:<size>:<modify time>:<owner id>:<group id>

name = Name of file or directory.

type = Type of file. Possible value is

**FILE** Regular file.

**DIRECTORY** Directory.

**UNKNOWNTYPE** Not file or directory (Socket, Pipe, FIFO etc.)

size = Size of file (byte)

modify time = Last modify unix time.

owner id = Id of file owner.

group id = Id of file owner group.

restore :

<expired time>:<remove time>:<file size>:<backup name>:<file path>

expired time = Expired time of backup file(unix time stamp), it will be delete after pass this time.

remove time = Remove time of backup file(unix time stamp), it show the time when file is removed.

file size = Size of backup file (in bytes).

backup name = Backup file name in backup path.

file path = Original path of backup file before remove. It used for restore backup to original path.

compress :

response = <file name>:<new name>:<compressed name>

notify = <file name>:<new name>:<compressed name>

file name = Source file name before use compress command.

new name = File name before use compress comman.

compressed name = Compressed file name.