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global

"ecs object" implementation

[note: no "ownership" entries in directories]

A] structures

i). c-list

ii) unique name list [1 ind for each c-list entry]
of global object

B] representation in directory

unique name + c-list index

C] ^{global} "ecs object" capability

contains (in data w/d) unique name + c-list index

D] operations

I) get an "ecs object" from directory [may be a uniform operation for all objects]
returns access capability with:

Type = "ecs good" ^{global object}
options = that indicated by the access key
data = unique name & c-list index

II) open an "ecs object"

presents: "ecs object" capability
c-list index

compares unique name field of data w/d of "ecs object" capability
with unique name in unique name list at position given by c-list
index field. If no match - error
If match - returns capability from global c-list

at position given by c-list index field, with options masked by option bits of given eis object capability.

III) put an entry in directory
ordinary hard link entry operation.