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Identification

Access to temporary segments
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Purpose

During the life of a process, the process typically generates a large number of temporary (per-process or per process-group) segments which are of interest primarily to the process-group by which they are created. However, there is no reason why the user to whom the group belongs should not be able to access these segments from some other group as well, provided only that the other group belongs to him.

Convention

In user process-groups (but not necessarily in system process-groups) temporary per-process or per-group segments should be by default, accessible to all process-groups belonging to the user. (Of course a user may override the default access by explicitly specifying the access to a segment.) That is, the segment is accessible to

name.project_id.*

rather than to

name.project_id.instance_tag.

Notation: (For those to whom the above is unclear) Each of the above character strings is an access control name consisting of

- 1) user name, followed by "."
- 2) project ID, followed by "."
- 3) instance tag (usually "aa").

Each access control name denotes a set of process-groups. If no element of the access control name is an asterisk, then the access control name denotes a single process-group. If some element is an asterisk, then the access control name denotes the set of process-groups whose names match the access control name, except for those elements of the name denoted by "*".

The idea, then, is that a segment available to

name.project_id.* (access-control name)

is available to

name.project_id.aa

and

name.project_id.bb (process-group names)