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)