ABS Tech Note: DAL23 SELECT FOR EXTRACT Shadow Files (12/92)

Revised: 9/2/93
Security: Everyone

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TOPIC

This technical note describes using the SELECT FOR EXTRACT construction under DAL.

DISCUSSION

When using the SELECT FOR EXTRACT construct under DAL, DAL stores the data for the cursor in a temporary file on the host. If the permissions to the directory where this is stored are incorrect, it's possible for DAL to return an error (for instance, "-10101 can't open object").

The location these files are stored in can be determined using the following information.

- Under A/UX, the shadow filename is constructed as follows:

  DALTEMPDIR/dal%d%d.out

  where the first %d counts up from 1 and the second %d is the process id.

  DALTEMPDIR is set in /etc/dalrc and is usually /tmp, although the user may change it.

- Under VAX/VMS, the filename generated is:

  DALTEMPDIR:mpx%dXXXXXX.out

  where %d counts up from 1 as above, and XXXXXX is replaced by a number generated by the mktemp() vax system call, and the directory is determined by the DALTEMPDIR logical.

- Under MVS, the shadow filename is constructed as follows:

  ```
  userid.HOSTDAL.OUT.DT%d%t.F%n
  ```

  where %d = two digits for the date (01-31 inclusive), %t = four digits for the time (0000-2359 inclusive) and %n = three digits for the file sequence number (beginning with 001 and incrementing one for each additional file produced per job or task). The userid will be one of the following, depending on how the DAL Server was accessed: (a) the TSO USERID when using the DAL TSO product, (b) the USERID that logged on to the DAL VTAM Server when the VTAM Server is run as a started task (STC), or (c) the USERID of the submitter when the VTAM Server is run as a batch job.

- Under VM, the shadow filename is constructed as follows:

  ```
  DAL%n TEMPFILE *
  ```

  where %n = five digits for the file sequence number (beginning with 00001 and incrementing one for each additional file produced per session). TEMPFILE is the CMS filetype and * indicates that the file will be created on the user's 'A' disk.

- On the AS/400, temporary files are created in the user's temporary library "QTEMP" with the filename "DALTPxxx" where xxx is an ascending integer.

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