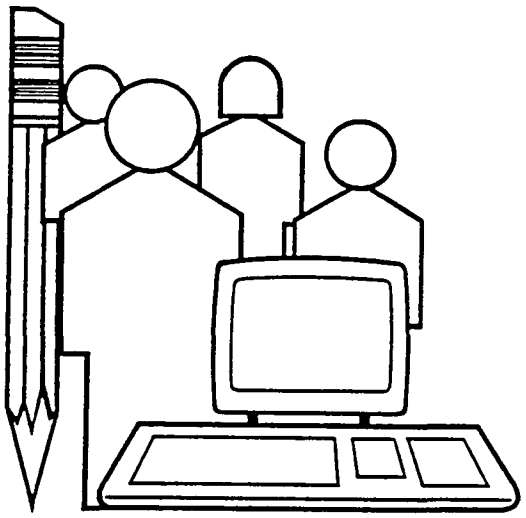
EY-L071E-HO H001

VAX CLUSTER OPERATOR

LAB EXERCISES



Show Cluster Utility Exercise
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1 Type $show cluster/continuous.
Which fields do you have to add in the display to check
a) What portnumber each node in the cluster has
b) The clusterquorum and clustervotes
c) The quorum and votes of the different nodes or quorum disk
d) What kind of apparatus each node is

add (circuits) report
add quorum.
add cl_votes

add HW_type

2 Save the commands (in a command procedure) so it can be executed later again.

save

3 Write the contents of this display into the default "write file".

4 Exit from the show cluster utility and check which files are created in your directory

5 Do again $show cluster/continuous and execute the command procedure that is created in question 2 to obtain the same display.

6 Exit from the show cluster utility.
Assign the in question 2 created file to the logical show_cluster$init

7 Do $show cluster/continuous .
Do you see the expected display?

Vaxcluster Batch Exercise
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This is a small program which loops for 10 minutes.
Edit the file H723nBATCH.COM with the following commands....
(n will be the account number given by your instructor)

```
$ ! ----------------------------------------------
$ start:
$       count = 1
$       if $restart then gosub restart
$ loop:
$       set restart_value = 'count'
$       write sys$output "system --> : ",F$getsyi("nodename")
$       write sys$output "loop   --> : ",count
$       count = count + 1
$       if ( count .eq. 60 ) then goto eind
$       wait 00:00:10.00
$       goto loop
$ eind:
$       exit
$ ! ----------------------------------------------
$ restart:
$       count = batch$restart
$       write sys$output "restart in action --> : ",count
$       return
$ ! ----------------------------------------------
```

Use the submit/restart command to enable this command procedure
to be restarted somewhere on another queue.

```
$ submit/restart/keep/noprint/log=h723n.log H723nBATCH.COM
```

Check on which que the batchjob is running now and write down the
entry number your batchjob has and which batchqueues there exist.

```
$ show que/full/batch
```

Force the batchjob from the oldqueue to a different newqueue.
(As if the the system on which this jobs runs is taken out of
the configuration)

```
$ stop/que/entry=XXXX/requeue=newqueue oldqueue
```

Check the H723n.log file which will be in logindirectory if the
batchjob really continued executing without any problem.

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Disk Exercises
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1 Type in $show device d and $show device m and $show device c and $show device t.
What do you notice, compared to $show device?

2 Do a $show device d and tell something about the status of the drives you get to see.
(Which devices can be accessed and which one not.)

3 Do a show device/full from the system disk and answer the following questions..

A) What kind of disktype is this drive and what is its label?
B) To which host is this drive connected?
C) Does an alternate host excist?
D) If so, what are the consequences concerning this alternate host if the host is taken out of the configuration?
E) This former host, what kind of apparatus is it? (A vax or a hsc or a starcoupler etc.)
F) From which other node is this drive also mounted?
G) Do a show device/full from 1DJAn and answer the questions B until F
H) Do show device/full CSA1:
What is the main difference between this local console disk and the two disk you have seen before?
(Do not compare the diferent parameters)

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