

[OpenVMS] How to Troubleshoot a Process in RWPAG
Last Technical Review: 26-AUG-1996
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PRODUCT: DIGITAL OpenVMS VAX, All Versions
DIGITAL OpenVMS Alpha, All Versions

COMPONENT: Memory Management

SOURCE: Compaq Computer Corporation

BACKGROUND:

The RWPAG resource wait state is caused by insufficient resources in paged pool (PAGEDYN).

PROCEDURE:

Increasing the size of the pool area should correct the problem.

Use the DCL command SHOW MEMORY/POOL/FULL to determine the amount PAGEDYN needs to be increased.

It is recommended that at least 20-25% of PAGEDYN be free, with blocks that are 20,000 bytes or larger.

Once the new value for PAGEDYN is determined, place an entry in the file SYS\$SYSTEM:MODPARAMS.DAT and run AUTOGEN.

ANALYSIS:

It is suggested that PAGEDYN be maintained at about 40% free. This may enhance your system's performance by allowing large contiguous sections of PAGEDYN to be available when needed.

Since PAGEDYN is a pageable resource, it should not impact the system's physical memory usage.

If PAGEDYN is filling up and expanding to its limits, it may be useful to see what is consuming the resource. The following commands may be used to accomplish this:

```
$ ANAL/SYSTEM
SDA> SHOW POOL/PAGE/SUMMARY !make sure you can see all of PAGEDYN
SDA> SET OUTPUT pool.lis !set up an output file to capture data
SDA> SHOW POOL/PAGE/SUMMARY !output to the file
SDA> EXIT
```