

# DATACACHE : Data Storage Controller Caching

This parameter applies to the operating systems OS/390, z/OS, VM/ESA, and z/VM only.

Parameter	Specify . . .	Possible Values	Default
DATACACHE	whether to enable (YES) or disable (NO) controller caching for Data Storage (DATA) dataset.	YES   NO	YES

**Value      Meaning**

YES          The default setting. Data Storage blocks are pre-read and maintained as long as possible in the caching facilities of the disk controller.

NO          Data Storage blocks are not pre-read.

**Notes:**

1. If Data Storage blocks are highly scattered or the update frequency is low, controller caching can cause longer I/O response times.
2. ADARUN caching control parameters also exist for the Associator (ASSOCACHE), the work area (WORKCACHE), the sort area (SORTCACHE), and the temp area (TEMPCACHE).

**Example:**

Run the nucleus without controller caching for the Data Storage dataset.

```
ADARUN  PROG=ADANUC,DATACACHE=NO
```