

DU - Dump Generation

This Natural profile and session parameter is for all platforms.

This parameter determines whether a memory dump is to be generated in the case of an abnormal termination during the Natural session.

Within a Natural session, the profile parameter DU can be overridden by the session parameter DU.

Possible settings	ON	A memory dump is produced in the case of an abnormal termination (TP-monitor dump dataset or SYSUDUMP in OS/390 batch mode or TSO). Then the Natural session terminates with the error message NAT9974.	
	OFF	No memory dump is produced. In batch mode, subsequent action taken by Natural is determined by the setting of the CC profile parameter. In online mode, Natural responds with the error message NAT0953, NAT0954, NAT0955 or NAT0956. For further information on the abnormal termination, you can use the system command DUMP.	
	SNAP	On mainframes: This setting forces an immediate dump in the case of an abnormal termination during a Natural session. The Natural session continues as with DU=OFF after the dump has been taken.	
	FORCE	On mainframes: This setting forces an immediate dump in the case of an abnormal termination during a Natural session and terminates the Natural session immediately. This is useful for testing purposes in some environments.	
	ABEND	On mainframes: This works as with DU=ON, except that the session is terminated with the abend occurred - instead of the error message NAT9974. DU=ABEND is not available with the Natural session parameter DU.	
Default setting	OFF		
Dynamic specification	YES		
Specification within session	YES	Applicable Statements:	SET GLOBALS
		Applicable Command:	GLOBALS

For details on session parameter specification at statement or element level and evaluation at compilation time or at runtime, refer to Session Parameter Specification/Evaluation Overview.

Notes:

- Setting the DU profile parameter may impair the system performance considerably, due to I/O processing on the dump dataset.
- Be careful when you use this parameter, because all programs and subroutines currently active for the current user will be retained in the Natural buffer pool.
DU=ON, SNAP or FORCE may cause buffer fragmentation which may result in a significant degradation in system performance.
- Under UTM, this parameter is ignored; under UTM, a dump is always produced in the case of an abnormal program termination.
- Profile parameter DUE can be used to get a storage dump for specific errors.

