

EASY/Exit™

Policy-Based Control Over System Resources

EASY/Exit provides a centrally-administered, rule-based facility that allows storage managers, capacity planners, and performance analysts to automate the functions provided by the many exit points available in OS/390 and z/OS systems. Instead of cumbersome, difficult-to-maintain assembler-language exits, EASY/Exit allows system administrators to specify a series of IF/THEN/ELSE statements that automate system exit processing. Installations which currently make use of the DFSMSHsm, ABARS, and MVS exits can now **eliminate the need for writing, upgrading, and maintaining complex exit code**. In the past, installations have been forced to forego the increased functionality available via system exits due to the difficulty of managing and maintaining such code. With EASY/Exit, writing exits becomes a simple matter of specifying the appropriate IF/THEN/ELSE statements. When changes are required, all that is necessary is to refresh the EASY/Exit rules. Time-consuming and error-prone recoding, compilation, and testing are eliminated.

Using EASY/Exit, storage managers can provide global, yet flexible policies for such purposes as directing the migration of specified datasets (direct-to-ML2, for example), controlling recalls by setting recall priorities, or extending the allowable CPU or wait time for a particular job. In a manner analogous to the DFSMS ACS routines, the storage manager decides upon the policy to be implemented and embodies it in a series of control statements. When EASY/Exit receives control at the desired exit point, the specified control statements determine the type of processing to be performed.

The following example shows the use of the EASY/Exit rules to **warn the DFSMSHsm administrator of failure to back up** of one or more of the control datasets or the journal dataset.

```
IF &MCDS_ERROR = YES OR CDSERR
&BCDS_ERROR = YES OR
  &OCDS_ERROR = YES OR
  &JRNL_ERROR = YES
THEN ISSUE WRITEMSG (WARNADM)

DEFMSG WARNADM 'WARNING: HSM CDS BACKUP FAILED' USER(STGADM)
```

A second example shows the use of the EASY/Exit rules to **extend the CPU time allowed for a critical job**, in increments of 60 seconds, up to 4 times, in order to avoid a S522 abend during month-end processing.

```
IF &JOBNAME = PRD*
  &JOB_CPU_EXT LT 4
  THEN SET ADDITIONAL_TIME = 60
    ISSUE WRITEMSG (WARNUSER)
DEFMSG WARNUSER 'WARNING: CPU TIME EXTENDED BY 60 SECONDS' WTORC(11)
```

EASY/Exit™

DFSMSHsm FEATURES

EASY/Exit acts as a powerful policy administration tool for all of the important DFSMSHsm exits, allowing the storage administrator to more efficiently manage the entire system.

DFSMSHsm EXTENSIONS

Customize DFSMSHsm Processing for:

RECALL

- Set priority to speed processing for important recalls or recoveries
- Bypass recall, deletion, or recovery for desired datasets, users, or applications

BACKUP

- Allow or prevent backup or software compaction of desired datasets
- Check for datasets in-use during backup, allow bypass of serialization or retry
- Turn on/off update flags during backup

MIGRATION

- Allow/prevent migration of individual datasets to ML1 or from ML1 to ML2
- Allow the use of Fast Subsequent Migration to remigrate datasets without tape mounts
- Change migration target to tape from DASD or vice versa
- Allow selected datasets to migrate without backup
- Prevent migration or other processing during holiday periods

DELETION

- Override defaults to allow/prevent dataset deletion for selected datasets during primary and secondary space mgmt

CDS BACKUP

- Write SMF records and reports to keep track of CDS and journal backups
- Issue warnings in case of CDS backup failure, trigger CDS backup copy jobs
- View results of CDS backup at a glance via an interactive ISPF interface

TAPE Processing

- Change expiration date for backup or migration tapes
- Dynamically move migration and backup tapes into Silo as needed



OS/390 and z/OS FEATURES

EASY/Exit provides the system administrator with the flexibility necessary to allow important jobs to use additional resources whenever necessary, while at the same time providing systemwide rules that prevent overuse or abuse of system resources.

SMF, Allocation, and Converter/Interpreter EXTENSIONS

Stop X22 Abends

- Extend WAIT time –avoid production abends when waiting for tape mounts or other unavailable resources
- Extend CPU time – to avoid failure of unusually high volume or end-of-period critical jobs
- Extend SYSOUT lines allowed

Control REGION, Dataspace, and Hiperspace Use

- Increase or Decrease Main Storage (REGION) Size Limits for specified jobs or users
- Set limits on amount of Hiperspace/Dataspace and Data Sharing resources

Provide Device Allocation Policies

- Automatically bring required devices online without operator intervention
- Establish flexible policies to determine which jobs may wait for units or volumes

Dynamically Modify JCL Statements

- Replace character strings in JOB, EXEC, and DD statements according to policy rules
- Write SMF records and messages indicating job queue times and other information



1818 Lakefield Ct. SE
Conyers, GA 30013
Phone: 770-922-2444
www.DTSsoftware.com



ABARS FEATURES

Whether at a disaster recovery site or for local recovery, EASY/Exit provides the means to make aggregate backups more reliable and aggregate recovery more successful.

ABARS EXTENSIONS

Customized processing by aggregate for:

ABACKUP

- Bypass backup of datasets with I/O errors or which are in use by DFSMSHsm, and issue warnings
- Set the expiration date of ABARS backup tape files
- Bypass backup of data on ML2, or select only desired ML2 data for backup

ARECOVER

- Selectively rename datasets to any name if conflicting DSNs already exist on the system
- Recover only selected datasets or groups of datasets, bypassing other datasets during recovery processing.
- Recover datasets only from desired aggregates even if backed up in more than one aggregate

EASY/Exit complements DTS Software's Application Backup Center (ABC), which provides highly accurate ABARS Selection Dataset generation, ABARS Log Management and backup tracking, Dataset and Aggregate-level recovery facilities, and ABACKUP Tape Inventory. EASY/Exit for ABARS can be purchased separately or together with ABC for complete ABARS management.

Rev: 27 030311

