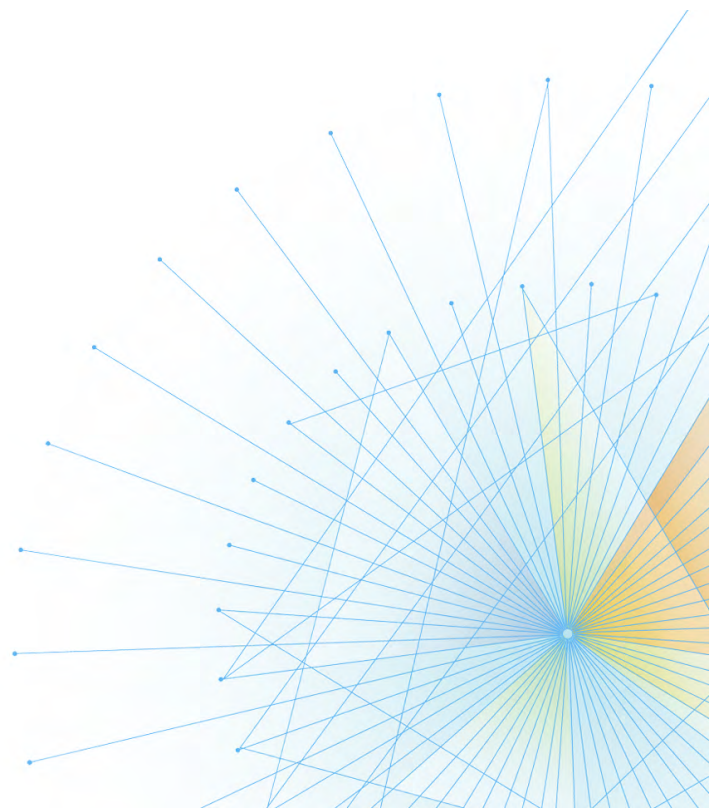




The Mainframe Software Partner For The Next 50 Years

Xpediter/TSO and Xpediter/IMS Advanced Configuration Guide

Release 17.02



Please direct questions about Xpediter/TSO and Xpediter/IMS
or comments on this document to:

Compuware Support Center

<https://go.compuware.com/>

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Introduction

This manual supplements the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*, providing further customization instructions and reference information.

Overview

This document is intended to guide you through any additional tasks involved in installing/updating, configuring, deploying, and troubleshooting Xpediter/TSO and Xpediter/IMS that are not covered in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.

Alerts

The alerts found in this *Guide* include:



“Tip” A note or tip providing additional information.



“Remember” Information important to remember.



“Roles” The individuals required to perform a Milestone or Task.



“Caution” Failure to follow these instructions can cause problems.

Additional Resources

Refer to these other sources of information on Xpediter/TSO and Xpediter/IMS.

Related Publications

- *Compuware Installer Mainframe Products SMP/E Installation Guide*
- *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*
- *Xpediter/TSO and Xpediter/IMS Release Notes*
- *Xpediter/TSO and Xpediter/IMS User Guides for Assembler, C, COBOL, or PL/I*
- *Xpediter/TSO and Xpediter/IMS Reference Manual*
- *Xpediter/TSO and Xpediter/IMS Quick Reference*
- *Xpediter/TSO and Xpediter/IMS Messages and Codes*.

Online Documentation

The Xpediter/TSO and Xpediter/IMS product installation package does not include the product documentation. Access the Xpediter/TSO and Xpediter/IMS documentation from the Compuware Support Center website at <https://go.compuware.com> in the following electronic formats:

- Release Notes in HTML format
- Product manuals in PDF format
- Product manuals in HTML format.

The product documentation is available for viewing or downloading:

- View PDF files with the free Adobe Reader, available at <http://www.adobe.com>.
- View HTML files with any standard web browser.

Customer Solutions

Visit the Compuware Support Center, <https://go.compuware.com>, to find product documentation, knowledge articles, and other technical resources. You can open a case with the Customer Solutions team, order products, and much more.

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- All other countries: Contact your local Compuware office. Contact information is available at <https://go.compuware.com>.

Visit Compuware on the web at <http://www.compuware.com> for additional product information.

Information for Customer Solutions

If problems arise, please check your manual for assistance. If problems persist, please obtain the following information before calling Compuware for assistance. This information will help determine the exact cause of the problem as quickly as possible.

1. Identify the release number of Compuware product(s) in use.
2. Identify the operating system.
3. If an abend occurs, note the displacement and the module in which it occurs. If possible, obtain a copy of the system dump.
4. Note the sequence of steps (including all commands issued) that resulted in the problem. Also note any variable data types and programming languages involved.
5. To receive product fixes electronically, be ready to provide your email address.

Configuring for System Currency

As you make changes to your operating system and vendor software, you may also need to make changes to Compuware product configurations. When upgrading z/OS subsystems, there are customization and reconfiguration tasks need to be performed to ensure Xpediter/TSO and Xpediter/IMS continues to function correctly.

Roles Involved

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer

DB2 DBA

IMS DBA.

Tasks

Complete either of the following tasks that are required at your site:

- [Upgrading DB2](#)
- [Upgrading IMS](#).

Task 1.1 Upgrading DB2

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer

DB2 DBA.

Perform the following tasks when upgrading DB2 (not Xpediter/TSO and Xpediter/IMS).

1. Obtain the name of your current CMSC PARMLIB member.
2. Edit that member.
3. Find all references to 'DSNLOAD_' and modify them as appropriate for your new DB2 release.
4. Follow the Xpediter/TSO and Xpediter/IMS COMMIT process for PARMLIB as described in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.
5. Recompile and retest the appropriate IVPs to assure changes were effective.
6. If licensed for DB2 Stored Procedure support, follow the instruction in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* section "Milestone 10: DB2 Stored Procedure Support" to bind the Xpediter plan to the new DB2.

Task 1.2 Upgrading IMS

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer

IMS DBA.

If you are licensed for Xpediter/IMS, follow the applicable instructions in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* sections “Milestone 8: IMS/DB Support” and “Milestone 9: IMS/DC Support”.

Additional Product Configuration

This section provides instructions for configuration tasks not covered in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.

Roles Involved

The following people are required, depending on the task being performed:



Xpediter/TSO and Xpediter/IMS Installer
 File-AID Installer
 z/OS Systems Programmer
 IMS DBA
 DB2 DBA
 Enterprise Common Components Installer
 Xpediter/Code Coverage Installer
 Xpediter/CICS Installer
 CA-ROSCOE Installer.

Tasks

Complete any of the following tasks that are required at your site:

- [Configure Xpediter for DB2 Extension](#)
- [Configure DB2 Stored Procedure Intercept Installation Utility](#)
- [Configure Health Checks](#)
- [Configure Multi-Batch Communication Task \(MBCT\)](#)
- [Configure z/OS to Start the Multi-Batch Communication Task After an IPL](#)
- [Configure Additional/Alternate Xpediter/IMS Features](#)
- [Configure Xpediter/IMS Shared Queue Support](#)
- [Configure the Xpediter/IMS User ID Intercept Installation Utility](#)
- [Configure Xpediter Language Environment Interface](#)
- [Configure Xpediter ISPF Support](#)
- [Configure Xpediter Batch Connect Under CA-ROSCOE](#)
- [Configure Additional Multi-Batch Features](#)
- [Configure Sysplex and Cross-Domain Support](#).

Task 2.1 Configure Xpediter for DB2 Extension

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer
 File-AID Installer.

If your site is not licensed for the Xpediter for DB2 Extension, skip this step.

The term “Xpediter for DB2 Extension” refers to the interface between Xpediter and File-AID for DB2. For more information, see the *Xpediter/TSO and Xpediter/IMS Reference Manual* section for the FADB2 primary command, as well as the INSERT command subsection entitled “Inserting SQL Statements”.

1. To use the Xpediter for DB2 Extension, Compuware’s File-AID for DB2 must be installed, operational, and available to Xpediter/TSO. Ensure the dataset names for the File-AID for DB2 files are concatenated to the listed ddnames in your TSO logon PROC, or use the High-Level qualifiers for File-AID in your customized XPLIBDEF.
2. For the Product Features keywords, specify YES for the FILE_AID_FOR_DB2 keyword, and specify YES for the XPEDITER_FOR_DB2_EXTENSION keyword.
3. For the DBRMLIST keywords, specify the proper dataset name for the FILE_AID_FOR_DB2_DBRM_LIBRARY keyword. For more information, refer to the *File-AID for DB2 Installation and Configuration Guide*.
4. If your site has IMS and will use the Xpediter for DB2 Extension in that environment, edit the member JCL004 from the SLXTINST library. The supplied member JCL004 is prepared as an SMP/E USERMOD. After editing the JCL as described below, receive and apply the USERMOD. Do **not** accept the USERMOD.
 - a. Edit the member JCL004, from the SLXTINST library.
 - b. Use the XTUPDATE ISPF Edit macro to customize the JCL.



Do not make any changes in the PARM string being passed to the linkage editor.

- c. Submit the job. It should complete with a condition code of 0.
- d. After successful completion of the APPLY CHECK, change the APPLY CHECK to an APPLY and resubmit the job. It should complete with a return code of 0.

Task 2.1.1 Verify Xpediter for DB2 Extension Installation

The following person is required:



Xpediter/TSO and Xpediter/IMS Installer

This verification will make use of one of the language-specific DB2 IVP programs listed in [Table 1](#).

Table 1. Xpediter for DB2 Extension IVP Programs

Language	Program/SAMPLIB Member
COBOL	TRIDB2
PL/I	TRIDB2P
C	TRIDB2C

1. Select 2 (TSO) from the Xpediter/TSO Primary Menu.
2. Use the same SETUP as was used to verify the Xpediter/TSO DB2 interface. (See the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*, Task 4.6.3.)
3. Press Enter to begin the Xpediter/TSO debugging session. The message area contains the lines:

```
Allocating User Datasets
```

```
then
```

```
Allocating XPEDITER/TSO Datasets
```

On a blank screen, the message `Entering XPEDITER/TSO Test Environment` is displayed along with information about the test. Then the source for the program is displayed.

4. Type **FADB2 HELP** on the `COMMAND` line and press `Enter`. The File-AID for DB2 Tutorial Table of Contents is displayed.



If the File-AID for DB2 Tutorial screen does not appear, or you receive an error message, contact your File-AID for DB2 installer.

5. Enter option **C** to review the summary of changes.
6. Press `PF3` to return to your debugging session.
7. When you are back at your source program on the Source screen, enter **FADB2** from the `COMMAND` line. The next screen displayed is the File-AID for DB2 Primary Option Menu.
8. Press `PF3` to return to your debugging session.
9. Press `PF4 (EXIT)` to exit the test session.

This completes verification of the functions of the Xpediter for DB2 Extension available under Xpediter/TSO.

Task 2.2 Configure DB2 Stored Procedure Intercept Installation Utility

This section contains Complete information on the DB2 Stored Procedure Intercept Installation Utility `XPDB2SP`.

The four functions of `XPDB2SP` are:

- **ACTIVATE** – Installs or reactivates the Stored Procedure Intercept
- **DEACTIVATE** – Deactivates the Stored Procedure Intercept if not in use
- **MAINTENANCE** – Updates the current Stored Procedure Intercept with a new copy from the authorized library
- **FORCE** – Deactivates the Stored Procedure Intercept, even if it is in use.

ACTIVATE Function

Use this function only if the DB2 Stored Procedure Intercept is not currently active. If the Stored Procedure Intercept has not been activated since the last IPL, the **ACTIVATE** function “front-ends” the stored procedure calls used to route work to a DB2 stored procedure. It also builds a list of the passed DB2 subsystems names that are eligible for Xpediter/TSO DB2 stored procedure testing. It places the Intercept routines into MVS common storage in Subpool 245 of the Extended Common Storage Area (ECSA).

Once this is completed, Xpediter can utilize the Stored Procedure Intercept to reroute selected entries to an Xpediter Application Environment and the associated DB2 stored procedure. If this is the second or later activation since the last IPL, the code need not be built again. The table of DB2 subsystems names that are eligible for Xpediter/TSO DB2 stored procedure testing is rebuilt.

The sample `PARM` for the **ACTIVATE** function is shown below:

```
PARM=ACTIVATE
```

DEACTIVATE Function

Use the **DEACTIVATE** function to disable the Xpediter DB2 Stored Procedure Intercept. It will not perform its function if any Xpediter/TSO DB2 stored procedure debugging sessions are in progress. If you wish the Intercept disabled, regardless of the consequences, use the **FORCE** option.

The sample PARM for the DEACTIVATE function is shown below:

```
PARM=DEACTIVATE
```

The sample PARM for the FORCE function is shown below:

```
PARM=FORCE
```

MAINTENANCE Function

Use this function only if the Stored Procedure Intercept is not active. It would normally be used when directed to do so by a PTF or by Compuware Technical Support.

The sample PARM for the MAINTENANCE function is shown below:

```
PARM=MAINTENANCE
```

Specifying Eligible DB2 Subsystems

Input to the DB2 Stored Procedure Intercept installation program is provided via a SYSIN dataset. The SYSIN control cards are used to specify those DB2 subsystems for which the DB2 Stored Procedure Intercept will be active. All other subsystems will be ignored.

SLXTINST library member JCLDB2SP contains sample SYSIN data. It is formatted as a list of subsystem names delimited by either spaces or commas. If DB2 datasharing group names are involved, the relationship of the DB2 subsystems must be defined.

For example: If the subsystem name is DB2T and the group call attach name is DB2G, the input parameter would be **DB2T(DB2G)**.

Task 2.3 Configure Health Checks

This section contains information that describes the Health Check functionality available for Xpediter/TSO and Xpediter/IMS, the Health Checks included, and how to activate them.

The following topics are covered:

- About Health Checks
- HZSPRMxx Health Check PARMLIB member
- Xpediter/TSO and Xpediter/IMS Health Checks
 - Multi-Batch Intercept Health Check
 - DB2 Stored Procedure Intercept Health Check
 - IMS UserID Intercept Health Check
 - Breakpoint Type Health Check.
- Activation of the Health Checks.

About Health Checks

The IBM Health Checker for z/OS can identify potential problems in your z/OS environment. It can check system or product parameters and system status against recommended settings. The IBM Health Checker for z/OS is structured as a framework that includes a health check started task and various separate check routines provided by IBM or other vendors.

Xpediter/TSO provides health checks for configuration settings that potentially could be problematic. When these conditions are found, the Health Check provides detailed recommendations on how to correct the problem.

Xpediter/TSO and Xpediter/IMS Health Checks are run under the control of the IBM Health Checker for z/OS as LOCAL Health Checks. Once activated, a Health Check routine will remain active until it

is stopped by either a console command, a line command in the SDSF HEALTH CHECKER DISPLAY or via a cancel command in SDSF.

To view results of a Health Check, use the CK primary command in SDSF. An S line command displays the results found for the selected Health Check.

HZSPRMxx Health Check PARMLIB Member Format/Fields

Xpediter/TSO and Xpediter/IMS LOCAL Health Checks are controlled/activated by using an HZSPRMxx PARMLIB member. Although your site could choose to use an existing member, Compuware strongly recommends that you instead create one specifically for Xpediter/TSO and Xpediter/IMS Health Checks. The Xpediter/TSO SLXTSAMP dataset includes a sample PARMLIB member for each of the Health Checks. They all have a similar format.

Xpediter/TSO and Xpediter/IMS Health Checks

There are several Health Check routines available for Xpediter/TSO and Xpediter/IMS. The installation, configuration, and activation of these routines is optional. A careful review of your site's configuration of Xpediter/TSO and Xpediter/IMS is suggested so that you can better assess the benefit of each Health Check in your environment.

Task 2.3.1 Multi-Batch Intercept Health Check

If your site makes use of the Multi-Batch feature in Xpediter/TSO on the mainframe, or uses Topaz Workbench for Batch debugging, then it would be of benefit to install/activate this Health Check. By default, it runs once at startup of the IBM Health Checker address space. It can be configured to run at regular intervals. This particular Health Check specifies a default check severity of "medium", but that can be changed by the installer. It reports on the status of the Multi-Batch Intercept, and if that intercept has ever been activated, the Health Check provides additional information.

To install this Health Check:

1. Ensure that the Xpediter/TSO SLXTAUTH library is authorized and is in the LINKLIST.
2. Copy the contents of sample PARMLIB member LXTHC01P to an HZSPRMxx member of SYS1.PARMLIB. HZSPRMxx is a Health Check PARMLIB member. Compuware strongly recommends that you create a new PARMLIB member, HZSPRMXT, to contain the Xpediter/TSO and Xpediter/IMS Health Checks that you plan to implement. This will facilitate changes and additions with minimal impact to the other Health Checks you may be using.

Task 2.3.2 DB2 Stored Procedure Intercept Health Check

If your site makes use of the DB2 Stored Procedure debugging feature in Xpediter/TSO (or in Topaz Workbench), then it would be of benefit to install/activate this Health Check. By default, it runs once at startup of the IBM Health Checker address space. It can be configured to run at regular intervals. This particular Health Check specifies a default check severity of "low", but that can be changed by the installer. It reports on the status of the DB2 Stored Procedure Intercept, and if the intercept has ever been activated, the Health Check provides additional information.

To install this Health Check:

1. Ensure that the Xpediter/TSO SLXTAUTH library is authorized and is in the LINKLIST.
2. Copy the contents of sample PARMLIB member LXTHC02P to an HZSPRMxx member of SYS1.PARMLIB. HZSPRMxx is a Health Check PARMLIB member. Compuware strongly recommends that you create a new PARMLIB member, HZSPRMXT, to contain the Xpediter/TSO and Xpediter/IMS Health Checks that you plan to implement. This will facilitate changes and additions with minimal impact to the other Health Checks you may be using.

Task 2.3.3 IMS UserID Intercept Health Check

If your site makes use of the IMS UserID Transaction Lockout Relief debugging feature in Xpediter/IMS (or in Topaz Workbench), then it would be of benefit to install/activate this Health Check. By default, it runs once at startup of the IBM Health Checker address space. It can be

configured to run at regular intervals. This particular Health Check specifies a default check severity of “low”, but that can be changed by the installer. It reports on the status of the IMS UserID Intercept, and if the intercept has ever been activated, the Health Check provides additional information.

To install this Health Check:

1. Ensure that the Xpediter/TSO SLXTAUTH library is authorized and is in the LINKLIST.
2. Copy the contents of sample PARMLIB member LXTHC03P to an HZSPRMxx member of SYS1.PARMLIB. HZSPRMxx is a Health Check PARMLIB member. Compuware strongly recommends that you create a new PARMLIB member, HZSPRMXT, to contain the Xpediter/TSO and Xpediter/IMS Health Checks that you plan to implement. This will facilitate changes and additions with minimal impact to the other Health Checks you may be using.

Task 2.3.4 Breakpoint Type Health Check

If your site makes use of Xpediter/Code Coverage, or debugs tests with a large amount of input/breakpoints, then it would be of benefit to install/activate this Health Check. By default, it runs once at startup of the IBM Health Checker address space. It can be configured to run at regular intervals. This particular Health Check specifies a default check severity of “low”, but that can be changed by the installer. It reports on whether or not the Xpediter/TSO SVC/TRAP Breakpoint has been installed, and if it has, the Health Check provides additional information.

To install this Health Check:

1. Ensure that the Xpediter/TSO SLXTAUTH library is authorized and is in the LINKLIST.
2. Copy the contents of sample PARMLIB member LXTHC04P to an HZSPRMxx member of SYS1.PARMLIB. HZSPRMxx is a Health Check PARMLIB member. Compuware strongly recommends that you create a new PARMLIB member, HZSPRMXT, to contain the Xpediter/TSO and Xpediter/IMS Health Checks that you plan to implement. This will facilitate changes and additions with minimal impact to the other Health Checks you may be using.

Task 2.3.5 Activation of the Health Checks

Once you have copied the desired load module/PARMLIB members for the Health Checks you plan to implement, they need to be enabled. To immediately activate the Health Checks you added to the HZSPRMXT member, use the following command:

```
MODIFY hzsproc,ADD,PARMLIB(XT)
```

To make the enabling of these Health Checks occur after an IPL or a restart of the IBM Health Checker for z/OS address space, you can do one of the following, depending on how you start the IBM Health Checker for z/OS address space after an IPL:

1. If you use the SYS1.PARMLIB member IEASYSxx to specify the Health Check procedure to start, modify the HZS parameter in IEASYSxx. For example:

```
HZS=(00,XT)
```

2. If you use SYS1.PARMLIB member COMMNDxx to start the IBM Health Checker for z/OS address space, modify the procedure that is started to include a parameter containing XT. For example:

```
HZSPARM=(00,XT)
```

Task 2.4 Configure Multi-Batch Communication Task (MBCT)

The following person is required:



Xpediter/TSO and Xpediter/IMS Installer

By default, the Xpediter/TSO Multi-Batch Facility is a single-LPAR feature. The Multi-Batch Staging File (MBSF) can be located on shared DASD and shared across LPARs, but updates to the file must be communicated from the LPAR on which they are made to the LPAR on which the submitted test job will run. The Multi-Batch Communication Task (MBCT), program XPMMBCT, facilitates this cross-LPAR communication.

XPMMBCT can be run as a batch job or a started task. It must be started after the Multi-Batch Intercept and TCP/IP. A copy of this program must be running on each LPAR that will be part of the test environment. Because XPMMBCT spends much of its time “waiting”, it should be made exempt from normal Job Wait Time (JWT) restrictions. The job/task can be canceled. You can also use the MVS STOP command (**P jobname**) to end the task.



The Multi-Batch Communication Task **must** have RACF UPDATE access to the Multi-Batch staging VSAM file.

Activation Procedure

1. Use the XTUPDATE macro to configure SLXTINST(JCLMBCT).

The Multi-Batch Communication Task is driven by control cards that specify the HOME and REMOTE LPARs that participate in communication. Change them to reflect your environments. The control cards should follow the format described in [Table 2](#).

Table 2. MBCTIN Control Card Format

Position	Length	Value	Comment
1-8	8	Port identifier keyword	The LPAR the MBCT is to run on is identified by keyword HOMEPORT. There must be only one HOMEPORT defined to an MBCT. A remote LPAR is identified by keyword RMOTPORT. There must be at least one RMOTPORT defined to an MBCT.
9	1	Equal sign(=)	
10-14	5	5-digit port number.	This is a TCP/IP port number that will be used to “listen” to other MBCTs (for a HOMEPORT) or to communicate to other MBCTs (RMOTPORT).
15	1	Comma (,)	
16-22	7	NAME/IP	The literal NAME / IP
23	1	Equal sign(=)	
24-67	44	Host Name or IP address associated with this port number OPTIONAL	Host Name in the format <i>x.y.z</i> (for example, SYS1.MYCOMPANY.COM), or IP address in the format <i>nnn.nnn.nnn.nnn</i> (for example, 198.162.83.1) Optional, only used on the HOMEPORT card.
68	1	Comma (,)	
69-71	3	TPN keyword	The literal TPN
72	1	Equal sign (=)	
73-80	8	TCPIP Name	TCP/IP Name used on the HOMEPORT LPAR.

2. Submit the JCL. It should end with return code 0.

WTO Messages

Submitting the JCL to run the Multi-Batch Communication Task (JCLMBCT) will result in write to operator (WTO) message(s). These messages are prefixed with

```
XPDnnnn :XPMMBCT -
```

where *nnn* is the message number, followed by one of the following:

```
A HOST NAME ENTERED IS UNABLE TO BE RESOLVED
ANOTHER MBCT ALREADY RUNNING ON THIS LPAR
ATTACH OF *GCA WAIT* TASK FAILED
ATTACH OF *LISTEN* TASK FAILED
DUMP REQUESTED/ADVISED, WILL ABEND USER 3002.
DUPLICATE RMOTPORT CONTROL CARD
ERROR WITH MBCTIN OR MBCTOUT FILE
HOST NAME / IP ADDRESS CANNOT BE BLANK
IDENTIFY FOR *GCA WAIT* TASK FAILED
IDENTIFY FOR TCPIP *LISTEN* TASK FAILED
INVALID MBCTIN CONTROL CARD
INVALID NAME/IP KEYWORD
MAXIMUM OF 50 REMOTE PORTS EXCEEDED
MBCTIN OR MBCTOUT DD STATEMENT MISSING
MISSING HOMEPORT AND RMOTPORT CONTROL CARDS
MISSING HOMEPORT CONTROL CARD
MISSING RMOTPORT CONTROL CARD
MODIFY COMMAND CONTAINS UNKNOWN VALUE - IGNORED.
MORE THAN 1 HOMEPORT CONTROL CARD
MULTI-BATCH CROSS LPAR SUPPORT ACTIVE.
MULTI-BATCH I/O MODULE COULD NOT BE LOADED
MULTI-BATCH NOT ACTIVE ON THIS LPAR
MULTI-BATCH NOT INSTALLED ON THIS LPAR
PORT NOT 5 DIGIT NUMERIC
RECEIVED UNKNOWN COMMAND - SHUTTING DOWN.
STOP COMMAND ISSUED - SHUTTING DOWN.
TPN FIELD CANNOT BE BLANK
UNABLE TO FREE CIB - SHUTTING DOWN.
XPMSTBLD XREQ BUILD MODULE COULD NOT BE LOADED
```

Task 2.5 Configure z/OS to Start the Multi-Batch Communication Task After an IPL

The following person is required:



z/OS Systems Programmer

JCLMBCT must be run after each IPL to re-enable the Multi-Batch Facility. If you want JCLMBCT to run automatically during z/OS startup, perform the following:

1. Copy SLXTINST(JCLMBCT) into the appropriate library in your system PROCLIB concatenation.
2. Modify JCLMBCT to meet your site's standards for a z/OS startup procedure, replacing the JOB statement with a PROC statement.
3. Configure your z/OS system to start JCLMBCT at IPL time by either:
 - Updating your z/OS PARMLIB member COMMNDxx.
 - Configuring your automated operations application.

An example of the START command is provided in SLXTINST(COMMNDxx). It should resemble:

```

COM='S JCLSVGIN RUN XPEDITER TSO SVC INSTALL '
COM='S JCLDB2SP RUN XPEDITER TSO SP INTERCEPT '
COM='S JCLIMSLR RUN XPEDITER IMS USERID SUPT '
COM='S JCLACTMB RUN XPEDITER MULTI-BATCH SUPT '
COM='S JCLMBCT RUN XPEDITER CROSS-LPAR MB TASK'

```

External Security Product Considerations

If you are using an external security product, you may receive an error message if you do not define an OMVS segment for the user ID. The OMVS segment is required to access TCP/IP protocols. Refer to your security product's documentation for information on defining the OMVS segment.

In addition, if you run the MBCT as a started task, refer to your security product's documentation and perform the following:

- **For RACF:** Associate the procedure name of the XPMMBCT task with a suitably authorized RACF user ID through the RACF table ICHRIN03. This table is resident in the Link Pack Area (LPA). RACF supplies a default ICHRIN03 table, which you can modify.
- **For ACF2:** Define the procedure name of the XPMMBCT task with a valid ACF2 UserID.
- **For Top Secret:** Define the procedure name of the XPMMBCT task to Top Secret with the following TSS ADD command:

```
TSS ADD(STC)...
```

Task 2.6 Configure Additional/Alternate Xpediter/IMS Features

This section contains information on:

- The remaining two methods that can be used to provide Transaction Code Lockout relief (It is strongly recommended that you use the DFSMSCE0 method (documented in the SIG) for Transaction Code Lockout relief.).
- Configuring Xpediter IMS Shared Queue support.
- Complete information on the Xpediter/IMS UserID Intercept Utility.

Task 2.6.1 Alternative Methods to Provide Transaction Code Lockout Relief

There are two alternative ways to provide transaction code lockout relief described in this task:

- IMS User ID Support
- Long Running Batch Message Processing (BMP) Region.

The following people are required:

- Xpediter/TSO and Xpediter/IMS Installer
- IMS DBA.

IMS User ID Support

Xpediter/IMS provides the ability to trap transactions based on IMS user ID. This allows multiple users to debug the same transaction and provides transaction code lockout relief.

IMS User ID Support requires use of IMS exit DFSCTRNO.



Programs that are initiated from an insert to a Preset Destination are not supported. OTMA-initiated transactions are only supported if the connection methodology is LU 6.2.

This IMS User ID Support in Xpediter/IMS will alter the transaction code from the original to a predefined dummy trancode reserved for Xpediter's use. The IMS user ID to intercept is specified on the MPP test screen (2.8). In order for Xpediter to alter the transaction code, the Xpediter/IMS User ID Intercept must be activated. Specify YES for the PARMLIB keyword CTLIMSUS.

IMS Requirements for DFSCTRN0

If your installation has a DFSCTRN0 exit, it must be renamed to XPIMSRN0. The XPIMSRN0 program will be invoked prior to the Xpediter DFSCTRN0 program. Refer to the IBM manual entitled IMS Exit Routines for instructions on how to install the DFSCTRN0 exit.

Xpediter DFSCTRN0 Exit

The Xpediter supplied IMS Transaction Authorization exit, DFSCTRN0, must be installed. This is done by customizing and running job JCLCTRNO located in the SLXTINST library. The changes can be made manually, or if you have previously configured the XTUPDATE ISPF Edit macro, you can use it to customize this JCL member. To use the Xpediter version of the DFSCTRN0 exit, the linkedit JCL must be modified to include the SLXTLOAD library and the IMS RESLIB in the SYSLIB. The SYSLMOD library must be authorized and be either the IMS RESLIB or a library concatenated to the RESLIB in the IMS Control region JCL.

APPLCTN Macro

IMS must be able to schedule the application Program Specification Block (PSB) when additional transactions are received, even though the PSB is already scheduled in the user's Xpediter/IMS debugging session. The relevant IMS sysgen parameter is SCHDTYPE.

The APPLCTN macro for the application PSB must specify SCHDTYPE=PARALLEL. The IMS gen default is SCHDTYPE=SERIAL. This default does not allow IMS to schedule more than one instance of a particular PSB at a time. An IMS gen is required to change this parameter.

IMS Cold Start

IMS must be cold started and parameters TRN=Y and RCF=Y must be specified.

CA-Top Secret Considerations

For CA-Top Secret users, solution #391 may need to be applied to invoke DFSCTRN0.

Long Running Batch Message Processing (BMP) Region

This method of transaction code lockout relief allows a transaction program to run in its usual message region at the same time as an Xpediter/IMS debugging session for the same program. This should provide some relief in non-debugging sessions from getting locked out while an Xpediter session is active.

Default behavior:

- When an Xpediter/IMS session is entered, the transaction codes specified on the MPP test screen (2.8) are assigned to the transaction class associated with the user's debugging session.
- The transactions are reassigned to their original transaction classes when the debugging session ends, and any queued transactions are processed at that time.

General Information

This facility allows the class reassignment to occur as soon as the Xpediter/IMS debugging session has intercepted the maximum number of transactions that were requested on the MPP test screen (2.8) for that particular transaction code. For example, if the START and MAX values are both set to 1, Xpediter/IMS will only reassign the transaction class for that transaction to the debugger until the

first transaction has been intercepted, which should happen within a few seconds. After that first transaction has been captured, normal transaction processing can resume for that transaction code.

Procedural Requirements

Three requirements must be met to take advantage of the transaction lockout relief in this facility:

- A Batch Message Processing (BMP) program named ADSIM013 must be signed on to the same IMS subsystem as the Xpediter/IMS user. This BMP could be started and stopped by the same mechanism that is used to start and stop the message regions for this IMS subsystem.
- The Xpediter/IMS user must specify a MAX value on the MPP test screen (2.8) to limit the number of transactions that will be intercepted. If this field is left blank, every transaction in the region will be intercepted.
- IMS must be able to schedule the application Program Specification Block (PSB) when additional transactions are received, even though the PSB is already scheduled in the user's Xpediter/IMS debugging session. The relevant IMS sysgen parameters are SCHDTYPE, PARLIM, and MAXRGN:
 - The APPLCTN macro for the application PSB must specify SCHDTYPE=PARALLEL. The IMS gen default is SCHDTYPE=SERIAL. This default does not allow IMS to schedule more than one instance of a particular PSB at a time. An IMS gen is required to change this parameter.
 - The TRANSACT macro for the affected transaction code must specify PARLIM=0 to allow scheduling of multiple instances of the PSB even though no queue has built up for the transaction code. The IMS gen default is PARLIM=NONE. The BMP will automatically reassign PARLIM to 0 at the same time it reassigns the transaction class to its original value. This happens after the debugger has intercepted the last transaction for that transaction code. Xpediter/IMS will reassign the transaction PARLIM back to its original value when the debugging session ends.
 - The TRANSACT macro for the affected transaction code must not specify MAXRGN=1. The IMS gen default is 0, which means unlimited. This parameter is unlikely to cause problems and can be reassigned by the IMS master terminal operator, if desired.

To summarize the IMS gen requirements: the new reassignment facility is only effective for applications whose PSB is eligible for parallel scheduling because that PSB's APPLCTN macro specifies SCHDTYPE=PARALLEL. There are no requirements to specify any of the parameters on the TRANSACT macro related to load balancing or to enable parallel scheduling for any transactions. These details are handled by Xpediter/IMS for any transaction whose PSB allows parallel scheduling, and the parameters are reset to their original values when the Xpediter/IMS session completes

Task 2.7 Configure Xpediter/IMS Shared Queue Support

Xpediter/IMS supports testing in an IMS Shared Queue environment. The Shared Queue can be on a single LPAR or span multiple LPARs.

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer

IMS DBA.

This support requires:

- Use of the Xpediter/IMS-supplied exit DFSCCMD0 **and** at least one of the following Xpediter/IMS-supplied exits:
 - DFSCTRN0

- DFSMSCEO.
- If the Shared Queue spans LPARs, the customization and activation of Compuware's Host Communication Interface (HCI), a component of ECC (Enterprise Common Components).

Task 2.7.1 Enable Shared Queue Support

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer
IMS DBA.

To implement Xpediter's IMS Shared Queue support, perform the following steps:

1. Install and activate the User ID Intercept Installation Utility (XPIMSTLR) on each LPAR with an IMS control region that is part of the Shared Queue.
2. Install the Xpediter/IMS 17.02 version of exit DFSCSTRN0 and/or DFSMSCEO in all IMS control regions in which Shared Queue support is to be implemented.



Any region that does not require Shared Queue support can continue to use prior versions of these exits.

3. For all IMS control regions in which Shared Queue support is to be implemented, configure the Xpediter/IMS dummy transactions (provided in SLXTSAMP member XTAPPLTS) to specify a default class that:
 - will not be used by any participating IMS region
 - is not one of the classes reserved for use by Xpediter/IMS
 - does not exceed the **MAXCLAS=** value specified (or accepted by default) on the **IMSCTRL** macro statement.
4. For all IMS control regions in which Shared Queue support is to be implemented, set **PARM='AOI1=x'** to one of the following:
 - **PARM='AOI1=A'** (for **ALL**) if the prior value was **R** (for **RACF**) or **S** (for **SMU**)
 - **PARM='AOI1=C'** (for **DFSCCMD0**) if the prior value was **N** (for **None**).
5. For all IMS control regions in which Shared Queue support is to be implemented, install the Xpediter/IMS 17.02 version of exit **DFSCCMD0**.
6. If the Shared Queue environment spans multiple LPARs, perform the following:
 - a. Install and customize Compuware's Host Communication Interface (HCI) on the LPARs that will participate. HCI is a part of Compuware's Enterprise Common Components (ECC) distribution and can be ordered separately.



Xpediter/IMS supports up to ten IMS regions in an IMSplex.

- b. Use the **Maximum Users** and **Class Codes** keywords (see the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*, "Task 9.2 Reservation of Transaction Class Code Numbers") to specify the LPAR ID, HCI port number, and Host Name or IP address associated with each HCI. If you are not using the default TCPIP name for a connection, specify the **TCPNAME**. Otherwise, it can be left blank. The **PARMLIB** Keywords are:

```
IMS_CROSS_LPAR_LPAR_ID_n=
IMS_CROSS_LPAR_PORT_n=
IMS_CROSS_LPAR_IP_ADDRESS_n=
IMS_CROSS_LPAR_TCPNAME_n=
```

where *n* is a number from 1 to 10.

- c. If Topaz Workbench is to be used, customize and run SLXTINST member JCLCSPF to populate the Compuware Shared Profile Facility (CSPF). See the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* section “Milestone 6: Configure Topaz Workbench Integration”.

IMS Requirements for DFSCCMD0 (IMS Command Authorization Exit Routine)

The Xpediter-supplied IMS Command Authorization exit routine, DFSCCMD0, must be installed in all IMS control regions in which Shared Queue support is to be implemented.

1. If your installation already has a DFSCCMD0 exit, rename it to **XPIMSMD0**. The XPIMSMD0 program will be invoked prior to the Xpediter DFSCCMD0 program.
2. Edit the member JCLCCMD0 from the SLXTINST library.
3. Use the XTUPDATE ISPF edit macro to customize the JCL.
4. Make sure the SYSLMOD library is authorized. It can be either the IMS RESLIB or a library concatenated to the RESLIB in the IMS control region JCL.
5. Submit the job. It should complete with a condition code of 0.

IMS Cold Start

To complete the implementation of Xpediter/IMS Shared Queue support, IMS must be cold started specifying PARM='AOI1=C' (if the previous value was N) or PARM='AOI1=A'.

Task 2.8 Configure the Xpediter/IMS User ID Intercept Installation Utility

This section describes how to use the Xpediter/IMS User ID Intercept Installation Utility program, XPIMSTLR. The User ID intercept must be activated to enable User ID Support and User ID/Data Value Intercept Support to function properly.

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer
IMS DBA.

Activation Procedure

1. Edit the member JCLIMSLR from the SLXTINST library.
2. Use the XTUPDATE ISPF Edit macro to customize the JCL.
3. After the SYSIN DD *, supply the name of the IMS subsystems and dummy transaction names. If the IMS subsystem is part of a Shared Queue environment, specify the LPAR name and four-byte identifier for the Shared Queue.
4. Submit the job. It should complete with a condition code of 0.

XPIMSTLR Functions

The four functions of XPIMSTLR are:

- **ACTIVATE** - Installs or reactivates the intercept.
- **DEACTIVATE** - Deactivates the intercept.
- **FORCE** - Deactivates the intercept, even if it is in use.
- **MAINTENANCE** - Updates the current intercept with a new copy from an authorized library.

For an explanation of any error messages issued by XPIMSTLR during the Intercept install and initialization, see the *Xpediter/TSO and Xpediter/IMS Messages and Codes* manual.

The following sections explain each of the four XPIMSTLR functions.

ACTIVATE Function

This function can only be used if the intercept is not currently active. You must specify a list of IMS subsystems to intercept and the prefix and range of the dummy IMS trancodes for Xpediter's use.

A sample PARM for the ACTIVATE function is

```
PARM=ACTIVATE
```

The IMS subsystem and trancode range is specified in the SYSIN DD. The format of the control is

```
XXXX/XPED9999/LLLLLLLL/SSSS
```

where

- *XXXX* = 1- to 4-character IMS Subsystem name
- *XPED* = 4-character dummy trancode prefix
- *9999* = 4 digits of max trancode number
- *LLLLLLLL* = 1- to 8-character LPAR name to which the dummy trancodes belong
- *SSSS* = 4-character Shared Queue group identifier.

and *LLLLLLLL* and *SSSS* are optional segments required for IMS Shared Queue support.

For example:

```
IMS6/XPED0025
```

means Xpediter will intercept transactions on the IMS6 subsystem. The dummy trancodes for this subsystem are XPED0000 through XPED0025.

If you have a Shared Queue environment, for example:

- LPAR 1 (LPR1):
 - IM18 is local only
 - IM19 is part of an IMSplex (IM19 and IM29)
 - IM1A is part of an IMSplex (IM1A and IM2A).
- LPAR 2 (LPR2):
 - IM28 is local only
 - IM29 is part of an IMSplex (IM29 and IM19)
 - IM2A is part of an IMSplex (IM2A and IM1A).

control cards would resemble:

```
IM18/XPED0050
IM28/XPED0050
IM19/XPED0050/LPR1/#001
IM29/XPED0100/LPR2/#001
IM1A/XPED0050/LPR1/#002
IM2A/XPED0100/LPR2/#002
```

which means Xpediter will:

- Intercept transactions on the IM18 subsystem. The dummy trancodes for this subsystem are XPED0000 through XPED0050.
- Intercept transactions on the IM28 subsystem. The dummy trancodes for this subsystem are XPED0000 through XPED0050.

- Intercept transactions on the IM19 subsystem. The dummy trancodes for this subsystem are XPED0000 through XPED0050. This subsystem is on the LPAR named LPR1 and is associated with a Shared Queue group designated by #001.
- Intercept transactions on the IM29 subsystem. The dummy trancodes for this subsystem are XPED0051 through XPED0100. This subsystem is on the LPAR named LPR2 and is associated with a Shared Queue group designated by #001.
- Intercept transactions on the IM1A subsystem. The dummy trancodes for this subsystem are XPED0000 through XPED0050. This subsystem is on the LPAR named LPR1 and is associated with a Shared Queue group designated by #002.
- Intercept transactions on the IM2A subsystem. The dummy trancodes for this subsystem are XPED0051 through XPED0100. This subsystem is on the LPAR named LPR2 and is associated with a Shared Queue group designated by #002.

As shown in the previous example, the dummy transaction codes for a Shared Queue are cumulative. This means the first member of a Shared Queue group follows the standard rule (XPED $nnnn$, where the initial transaction code is XPED0000 and $nnnn$ represents the maximum transaction code), while the initial transaction code of subsequent members is one greater than the prior member's maximum transaction code ($nnnn+1$).



Compuware recommends that, where possible, the control cards used on each LPAR to activate the Xpediter/IMS User ID Intercept be the same. This will eliminate potential specification errors and ease implementation and maintenance.

DEACTIVATE and FORCE Functions

The DEACTIVATE function is used to disable the Xpediter/IMS User ID intercept. It will not perform its function if any Xpediter/IMS debugging sessions are in progress. If you want the intercept to be disabled, regardless of the consequences, use the FORCE option.

The sample PARM for the DEACTIVATE function is

```
PARM=DEACTIVATE
```

The sample PARM for the FORCE function is

```
PARM=FORCE
```

MAINTENANCE Function

This function can only be used if the PC intercept is not active. It would normally be used when directed to do so by a PTF or by Compuware Technical Support.

The sample PARM for the MAINTENANCE function is

```
PARM=MAINTENANCE
```

Task 2.9 Configure Xpediter Language Environment Interface

The following person is required:



Xpediter/TSO and Xpediter/IMS Installer

If you are experiencing issues with Xpediter and Language Environment, edit the member JCLRA302 from the SLXTINST library. The supplied member JCLRA302 is prepared as an SMP/E USERMOD.

After editing the JCL as described below, receive and apply the USERMOD. Do **not** accept the USERMOD.

1. Edit the member JCLRA302, from the SLXTINST library.
2. Use the XTUPDATE ISPF Edit macro to customize the JCL.



Do not make any changes in the PARM string being passed to the linkage editor.

3. Change the dataset name on the SCEELKED DD to the name of the LE link-edit library (generally CEE.SCEELKED).
4. Submit the job. It should complete with a condition code of 0.
5. After successful completion of the APPLY CHECK, change the APPLY CHECK to an APPLY and resubmit the job. It should complete with a return code of 0.
6. APPLY and resubmit the job. It should complete with a return code of 0.

Task 2.10 Configure Xpediter ISPF Support

The following people are required:



- Xpediter/TSO and Xpediter/IMS Installer
- Enterprise Common Components Installer
- File-AID Installer
- Xpediter/Code Coverage Installer
- Xpediter/CICS Installer.

If you are prohibited from using a LIBDEF approach, you must configure your TSO LOGON PROC.

1. Modify an existing TSO logon PROC or create a new TSO logon PROC by concatenating Xpediter/TSO libraries to the appropriate DD cards. See [Table 3](#) for ddnames.



If you have not installed File-AID, Xpediter/CICS, or Xpediter/Code Coverage, omit the corresponding datasets below. The Xpediter/CICS dataset CPWR.cMXDnnn.SMXDOxxL is only required if you have installed Xpediter/Code Coverage and plan on using it with Xpediter/CICS.

2. Execute CLIST XPCINST to launch the Installation Defaults configuration.

Refer to the Installation Defaults discussion in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* applicable task entitled “Create an Initial PARMLIB Member”.

Table 3. ISPF Support Dataset Concatenation Requirements

ddname	Dataset Name	Associated Product
SYSPROC	CPWR.MLCXnnn.SLCXEXEC	Compuware Shared Services
	CPWR.MLXTnnn.SLXTCLIB	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
	CPWR.MLXVnnn.SLXVCLIB	Xpediter/Code Coverage

Table 3. ISPF Support Dataset Concatenation Requirements (*Continued*)

ddname	Dataset Name	Associated Product
ISPLLIB	CPWR.MLCXnnn.SLCXLOAD	Compuware Shared Services
	CPWR.MLXTnnn.SLXTLOAD	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
	CPWR.MLXVnnn.SLXVLOAD	Xpediter/Code Coverage
	CPWR.cMXDnnn.SMXDOxxL	Xpediter/CICS
ISPMLIB	CPWR.MLCXnnn.SLCXMENU	Compuware Shared Services
	CPWR.MLXTnnn.SLXTMENU	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
	CPWR.MLXVnnn.SLXVMENU	Xpediter/Code Coverage
ISPPLIB	CPWR.MLCXnnn.SLCXPENU	Compuware Shared Services
	CPWR.MLXTnnn.SLXTPENU	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
	CPWR.MLXVnnn.SLXVPENU	Xpediter/Code Coverage
ISPSLIB	CPWR.MLCXnnn.SLCXSENU	Compuware Shared Services
	CPWR.MLXTnnn.SLXTSENU	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
	CPWR.MLXVnnn.SLXVSENU	Xpediter/Code Coverage
ISPTLIB	CPWR.MLCXnnn.SLCXTABL	Compuware Shared Services
	CPWR.MLXTnnn.SLXTTABL	Xpediter/TSO
	Refer to the <i>File-AID Single Install Image Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common

If you are using Japanese support (Kanji double-byte character support), add the datasets in [Table 4](#). Concatenate the Japanese language support datasets immediately ahead of the standard dataset for each product.

Table 4. ISPF Support Dataset Concatenation Requirements for DBCS Support

ddname	Dataset Name	Associated Product
ISPMLIB or ISPMALT	CPWR.MLCXnnn.SLCXMJPN	Compuware Shared Services
	CPWR.MLXTnnn.SLXTMJPN	Xpediter/TSO
	CPWR.MLXVnnn.SLXVMJPN	Xpediter/Code Coverage
	Refer to the <i>File-AID Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common
ISPPLIB or ISPPALT	CPWR.MLCXnnn.SLCXPJPN	Compuware Shared Services
	CPWR.MLXTnnn.SLXTPJPN	Xpediter/TSO
	CPWR.MLXVnnn.SLXVPJPN	Xpediter/Code Coverage
	Refer to the <i>File-AID Installation and Configuration Guide</i>	File-AID/MVS, File-AID for DB2, and File-AID for IMS, and File-AID Common

Task 2.11 Configure Xpediter Batch Connect Under CA-ROSCOE

The following people are required:



Xpediter/TSO and Xpediter/IMS Installer

CA-ROSCOE Installer.

If you are installing Xpediter/TSO's Batch Connect Support under ROSCOE for this release, ensure that any prerequisite installation steps have been completed (Enterprise Common Components, Xpediter/TSO Batch Connect, etc.).

If you have *already* installed this release of Xpediter/TSO's Batch Connect Support under ROSCOE and are going to apply maintenance, start here and skip to the "Maintenance Steps" section.

The following JCL is supplied in the Xpediter/TSO SLXTINST library:

- **ROS001** - contains the unload process for the initial installation of this release of Xpediter/TSO's Batch Connect Support under ROSCOE.
- **ROS002** - contains the link edit process.
- **ROS003** - contains the unload process for the maintenance of this release of Xpediter/TSO's Batch Connect Support under ROSCOE.

Task 2.11.1 Create CA-ROSCOE Library Members

Edit the SLXTINST library member ROS001 as described below (and in the sample JCL). This job uses RPFLIBS as input to the unload process.

1. Add a JOB card.
2. Change the generic high-level qualifier to your site's high-level qualifier for the Xpediter/TSO and Xpediter/IMS SLXTLOAD and SLXTINST libraries.
3. Verify the validity of the UNIT=SYSDA value and correct if necessary.
4. Change the generic high-level qualifier of YOUR.ROSCOE to your site's high-level qualifier for the ROSCOE libraries.
5. Change the key segment XPEDITER.MAINT to the key segment (XTO650) used at your site.
6. Submit the job. It should complete with a return code of 0.

After the successful completion of the ROS001 job, a system library defaults module must be established. This is a normal ROSCOE library member that contains a date record as its first line, followed by a line for each library default. This member must be called XBATSLIB. A sample is provided in the ROSCOE library that was created by ROS001.

The formats are as follows:

- The date record consists of the constant DATETIME in columns 1-8 and the date in columns 60-72 in the format:

```
yyyyjjhhmms
```

where *yyyy*=year, *jjj*=julian day, *hh*=hours, *mm*=minutes, and *ss*=seconds.

- Each subsequent line is the library type in columns 1-4 and DSN in columns 5 and up. The valid four-character types are as follows:
 - SPRC = system PROCLIB, maximum of 3
 - SDIO = system DDIO libraries, maximum of 3
 - SSWS = system site-wide script library, maximum of 1
 - SINC = system INCLUDE libraries, maximum of 3

- XLOD = system XPEDITER loadlib @
- XOPT = system XOPTIONS library @
- HELP = system XPEDITER help library, maximum of 3.

A sample XBATSLIB is shown below:

```
DATETIME 1998065123953
SPRC SYS1.PROCLIB
SDIO CPWR.XT.DDIO
SSWS CPWR.XT.SITEWIDE.INCLUDE
SINC CPWR.XT.INCLUDE
XLOD CPWR.XT.SLXTLOAD
XLOD CPWR.XV.SLXVLOAD
XLOD CPWR.CX.SLCXLOAD
XOPT CPWR.XT.XOPTIONS
HELP CPWR.XT.HELP
```

SSWS (Site-Wide Script Library)

Any dataset name specified in XBATSLIB will be concatenated first in the XINCLUDE allocation. This file will not appear on the user's Setup screen for possible removal from the concatenation. Although this library may contain global common scripts, its main purpose is to hold the Site-Wide initial script member @@SITE@@, which will always be included at the beginning of a test session. Any initial script specified by the user will execute after the @@SITE@@ member. This can be used by your support staff to apply changes to the environments of the entire user community without requiring individuals to modify Setup profiles.

Task 2.11.2 Modifying the ROSCOE Programming Facility XBATCFG Member

After completing changes to the XBATSLIB member, make the changes listed below to ROSCOE Programming Facility (RPF) member XBATCFG shown here:

```
LET P12 = 'RP' : XPEDITER/ROS PREFIX
LET P15 = 'VIO' : WORK DATASET DEFAULT UNIT
LET P20 = 'N' : CODE COVERAGE SUPPORT (Y/N)
```

1. Replace RP with the PREFIX used when you installed Xpediter/TSO's Batch Connect Support under ROSCOE.
2. Replace VIO with the default esoteric unit used for work datasets. If VIO is available as an esoteric unit at your site, it is recommended that you do not change this setting.
3. Replace N with a Y (Yes) if you have purchased Xpediter/Code Coverage. Otherwise, leave as N.

Task 2.11.3 Batch Connect Customization and Link

1. As installed, Xpediter/TSO's Batch Connect Support under ROSCOE uses the same Batch Connect security algorithm as it does under TSO. That is, the name of the batch job, minus the last character, must be the same as your ROSCOE ID (signon key). If this is not compatible with your site's security system, you can either rewrite the Batch Connect security exit, or deactivate it by modifying the CMSC PARMLIB member (specifying a CTLSEC value of NO).
2. Edit SLXTINST library member ROS002 as described below (and in the sample JCL):
 - a. Add a JOB card.
 - b. Change the generic high-level qualifier to your site's high-level qualifier for the Xpediter/TSO and Xpediter/IMS SLXTLOAD and ROSBAT.LOADLIB libraries.
 - c. Verify the validity of the UNIT=SYSDA value and correct if necessary.
 - d. If required, replace the VOL=SER=DDDDDD statement with a valid VOL=SER. Otherwise, remove the statement.
 - e. Change the generic high-level qualifier of YOUR.ROSCOE to your site's high-level qualifier for the ROSCOE libraries.
 - f. Change the key segment XPEDITER.MAINT to the key segment (XTO650) used at your site.

- g. Submit the job. It should complete with a return code of 0.
3. The dataset CPWR.XT.ROSBAT.LOADLIB is a separate LOADLIB containing the required Xpediter/TSO modules. Since it makes use of the CA-ROSCOE-provided API service, it requires that the module ROETSAPI be included in the link-edit.
4. Concatenate this LOADLIB with DDname ETSOLIB in your ROSCOE startup JCL.
5. If you are currently using Xpediter/ROS 2.0, concatenate the ROSBAT.LOADLIB before the Xpediter/ROS LOADLIB. In addition, make the following change to line 1300 in RPF XPEDROS:

```
LET P25 = 'CPWR.XT.ROSBAT.LOADLIB'
```

6. Add the ADSIS086 and ADSIS300 programs to the ROSCOE ETSO EPL. This is usually saved as the member RO.ETSOPGMS. Ensure that the EPL remains in alphabetical order. Sample EPL entries for ROSCOE 6.0 and above are:

```
VERSION2
  NAME      MAX MAX.  MAX.   MAX.   MAX.   MAX.   D M C
           USR SLI-  TOT.   VAR.   TOT.   VAR.   U O P
           CES  GETM  GETM   GETM.  GETM.  M D
           AM24 AM24  AM31  AM31   P E
*-----*
ADSI086 999 9000 04096 000512 004096 000512 D N CP DIAGNOSTIC
ADSI300 999 9000 004096 000512 004096 000512 D N CP BATCH CONN
```

7. Verify that the following recommended minimum values are set in your ROSCOE SYSIN parms:

```
AWSLIM=6 (or increase your current setting by 4)
ARRAYMAX=255 (required)
```

8. Cycle the ROSCOE region to initialize the changes.

Task 2.11.4 Maintenance Steps

Previously, the RPFLIBS member of the SLXTINST library was used for the initial installation of Xpediter/TSO's Batch Connect Support under ROSCOE—and for any maintenance that was applied to the ROSCOE components. The process of applying maintenance would overlay the SLXTINST library members XBATSLIB and XBATCFG, forcing the product installer to take precautions to avoid overlaying those members.

Now, the RPFLIBS member of the SLXTINST library will consist of the initial installation components. The RPFMNT member of the SLXTINST library will have the most recent available maintenance applied to the ROSCOE components, minus the XBATSLIB and XBATCFG members, so no overlaying will occur.

1. Edit the SLXTINST library member ROS003 as described below (and in the sample JCL). This job uses RPFMNT as input to the unload process.
 - a. Add a JOB card.
 - b. Change the generic high-level qualifier to your site's high-level qualifier for the Xpediter/TSO SLXTLOAD and SLXTINST libraries.
 - c. Verify the validity of the UNIT=SYSDA value and correct if necessary.
 - d. Change the generic high-level qualifier of YOUR.ROSCOE to your site's high-level qualifier for the ROSCOE libraries used at your site.
 - e. Change the key segment XPEDITER.MAINT to the key segment (XTO650) used at your site.
 - f. Submit the job. It should complete with a return code of 0.
2. Edit SLXTINST library member ROS002 as described below (and in the sample JCL):
 - a. Add a JOB card.
 - b. Change the generic high-level qualifier to your site's high-level qualifier for the Xpediter/TSO and Xpediter/IMS SLXTLOAD and ROSBAT.LOADLIB libraries.

- c. Verify the validity of the UNIT=SYSDA value and correct if necessary.
- d. If required, replace the VOL=SER=DDDDDD statement with a valid VOL=SER. Otherwise, remove the statement.
- e. Change the generic high-level qualifier of YOUR.ROSCOE to your site's high-level qualifier for the ROSCOE libraries.
- f. Change the key segment XPEDITER.MAINT to the key segment (XTO650) used at your site.
- g. Submit the job. It should complete with a return code of 0.

Task 2.12 Configure Additional Multi-Batch Features

There are several additional features and functions of Multi-Batch. They require some additional configuration.

Administrative and Non-administrative Users

Users with RACF ALTER access to the Multi-Batch VSAM staging file (MBSF) have administrator capabilities within the Multi-Batch Facility.

An administrative user can view and process all records, not just those that they have added to the MBSF staging VSAM file. A non-administrative user can view and process only those records that they have added to the MBSF and those where the Owner field matches their TSO user ID.

Owner Field Modification

Modifying the Owner field on the Multi-Batch screen is limited to tests that are run as unattended Code Coverage. The Test Type must be UC, UT, UF, UCF, or UTF. If you do would like to implement this feature, the user must have RACF ALTER access to the Multi-Batch pseudo dataset name, *hlq.OWNERMOD*. The *hlq* prefix is specified by the CTLMBPDP value in PARMLIB (as specified by the installer), or the default value of CWXT.

Multi-Batch Facility Intercept Utility

This section describes how to use the Xpediter/TSO Multi-Batch Facility (MBF) Intercept Utility program, XPMINIT. The three functions of XPMINIT are:

- ACTIVATE - Installs or reactivates the MBF.
- DEACTIVATE - Deactivates the MBF.
- MAINTENANCE - Deactivates the MBF, then activates a refreshed copy of MBF taken from the authorized library.

ACTIVATE Function

Use this function only if the MBF is not currently active. If the MBF has not been activated since the last IPL, the ACTIVATE function builds a list of the test specifications from the MBSF VSAM dataset to determine which jobs are to be tested. Once this is completed, jobs matching the test specifications in the MBSF VSAM dataset will be intercepted for testing by Xpediter/TSO. The sample PARM for the ACTIVATE function is:

```
PARM=ACTIVATE
```

DEACTIVATE Function

Use the DEACTIVATE function to disable the Xpediter MBF. The sample PARM for the DEACTIVATE function is:

```
PARM=DEACTIVATE
```

MAINTENANCE Function

This function deactivates the MBF, applies maintenance to the MBF, and then activates the MBF. It also reloads the test specifications from the MBSF VSAM dataset. It would normally be used when directed to do so by a PTF or by Compuware Customer Solutions. No IPL would be necessary. The sample PARM for the MAINTENANCE function is shown below:

```
PARM=MAINTENANCE
```

Specify an Alternate IMS Batch Region Controller Name

If a load module name other than DFSRRC00 (the default) is used for the IMS Batch Region Controller, code the IMSP=aaaaaaa (where aaaaaaa is the load module name for the IMS Batch Region Controller at your site) with the ACTIVATE or MAINTENANCE function. This name should be the same as the one selected in the CTLDFSR, CTLMPPRC, CTLBMPPRC, and CTLVALRC values in PARMLIB (as specified by the installer), or the default value of DFSRRC00.

The following is the sample PARM for the ACTIVATE function:

```
PARM=('ACTIVATE,IMSP=aaaaaaa')
```

The following is the sample PARM for the MAINTENANCE function:

```
PARM=('MAINTENANCE,IMSP=aaaaaaa')
```

Multiple IMS Batch Region Controller Names

Users who require more than one additional IMS Batch Region Controller name may have a maximum of ten IMS Batch Region Controller names: nine user-supplied names and one default name of DFSRRC00. To implement this option, add a card to the XPMINIT JCL with ddname XTIMSADD. This is an input file and can be an instream file or a dataset. If a dataset is used, the DCB must have LRECL=80, RECFM=FB, and DSORG=PS or PO. The first module name is contained in columns 1 through 8. The second through ninth module names start in columns 10, 19, 28, 37, 46, 55, 64, and 73, respectively. The first blank found in one of these columns denotes the end of the list. All names must be contained on one card image. A comment line can be inserted by placing an asterisk (*) in column 1. See the examples below.



Using the XTIMSADD DD will result in the IMSP keyword being ignored.

Example 1 - With Three Additional Region Controller Names

```
//XTIMSADD DD *
* This is a comment
DF1RRC00 DF2RRC00 DF3RRC00
```

Example 2 - Using a Sequential File

```
//XTIMSADD DD DISP=SHR,DSN=YOUR.SEQUENTIAL.FILE
```

Example 3 - Using a Partitioned File with the Member Name

```
//XTIMSADD DD DISP=SHR,DSN=YOUR.PARTITIONED.FILE(MEMNAME)
```


Specify an Additional Workload Manager Module Name



If your site is *not* testing DB2 stored procedures with Topaz Workbench, you can skip this section.

If a load module name other than DSNX9WLM is used for the DB2 stored procedure WLM, add a card to the JCL with ddname XTWLMADD. This is an input file and may be an instream file or a dataset. If a dataset is used, the DCB must have LRECL=80, RECFM=FB, and DSORG=PS or PO. The additional WLM module name is contained in columns 1 through 8. A comment line can be inserted by placing an asterisk (*) in column 1.

Example 1 - With an Additional WLM module name

```
//XTWLMADD DD *
* This is a comment
TSTX9WLM
```

Example 2 - Using a Sequential File

```
//XTWLMADD DD DISP=SHR,DSN=YOUR.SEQUENTIAL.FILE
```

Example 3 - Using a Partitioned File with the Member Name

```
//XTWLMADD DD DISP=SHR,DSN=YOUR.PARTITIONED.FILE(MEMNAME)
```

Task 2.13 Configure Sysplex and Cross-Domain Support

The following person is required:



VTAM Administrator

If your site:



- Is not using—and does not plan to use—the Batch Connect facility, or
 - Is not using—and does not plan to use—Cross-Domain Batch Connect support
- then skip this task.

This section describes the steps required to run Xpediter Batch Connect across domains. Although the domains can be part of a SYSPLEX, they are not required to be.

1. Ensure Xpediter/TSO is available on both systems.

“Cross-domain” implies that there are at least two host computers that communicate with each other through the Virtual Telecommunications Access Method (VTAM). You may log on to Host T and submit a job on that system. However, due to load leveling or other constraints, your job may actually be routed to a different system (for example, Host B) through an application called the coupling facility. You could also do the same thing manually, or via RJE/NJE.

If your job is to run successfully on Host B, the first requirement is that Xpediter be available on that system. To use the Batch Connect user interface to submit the job and to check on the job’s status periodically, Xpediter must be available on Host T as well.

2. Ensure VTAM definitions for APPLIDs are unique and ACBNAMEs are the same on both systems.

The *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* specifies the VTAM definitions that must be generated to use Batch Connect in general. The name on the left in the VTAMLST is called the APPLID. The APPLID identifies a particular node in the network and must be unique across the whole domain. The resource that Batch Connect uses is the ACB, and is identified by the ACBNAME=keyword in the VTAM definition. The ACBNAMEs must be the same on both systems.

Configuration Parameters

This section outlines the configuration parameters used to customize Xpediter/TSO and Xpediter/IMS to your installation, as well as various ways to specify them.

The information presented here assumes that you have implemented the CMSC PARMLIB according to the applicable new installation or upgrade task “Implement the CMSC PARMLIB” in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.

PARMLIB Members

Compuware mainframe products use parameter libraries, or PARMLIBs, to configure each product and common components. [Table 6](#) lists the Release 17.02 PARMLIB Members for all Compuware mainframe products and common components. Your product requires a PARMLIB where its members are provided such that you can modify them to fit your site’s requirements.

Compuware recommends using one common dataset, but you can also use a concatenation of dataset names to store your site’s PARMLIB (if applicable) members in a common library. A copy of your product’s parameter file(s) must reside in the //CWPARM DD concatenation of the Compuware Mainframe Services Controller (CMSC).



See the *Enterprise Common Components Installation and Configuration Guide* for release 16.05 or above for further information on CMSC.

The Compuware Mainframe Services Controller (CMSC) address space is a centralized facility providing the common parameter library services. It provides two basic functions in relation to parameters: storage and retrieval. The following is a guideline for some of the usage and features of the CMSC:

- Users will modify a human readable PARMLIB member and issue a modify command to the CMSC to store this new set of parameters into a common memory object.
- This common memory object is accessible even if the CMSC is inactive.
- When the CMSC is initialized, all PARMLIB members are loaded into a common memory object.
- The default suffix is 00, but this can be changed in the CMSC nnn PARMLIB member.

General Guidelines for PARMLIB Members

Parameters used by your Compuware mainframe product or component are read from the common PARMLIB dataset. Edit the sample parameters to your site’s requirements.

Table 5. General Guidelines

PARM Name	Values	Samples
Data columns	1 to 71	N/A
Symbol separator	Underscore	"A_LONG_SYMBOL"
Continuation	Check for "+" character in Column 72.	+

Table 5. General Guidelines (*Continued*)

PARM Name	Values	Samples
Comments	"*" in column 1. Between columns 1-71, begin with "/*" and end with "*/"	* is a comment /* is a comment */

- If the PARMLIB member includes multiple groups of parameters, for example for the definition of multiple DB2 Subsystem, then only one occurrence of each of the parameters within each group is allowed.
- Line level comments are supported using the "/*" to start a comment and "*/" to end the comment. Embedded comments are supported.

System Symbolics

The CMSC resolves system symbolics as product parameters which are saved into storage, potentially allowing a single parameter member to be used across multiple LPARs. These symbols are defined by your installation in IEASYMxx. Issue the following display command to display the current symbols:

```
/DISPLAY SYMBOLS
```

PARMLIB Member Naming Convention

PPPPnnnn

PPPP is the product prefix (see [Table 5](#)).

nnnn is the 1 to 4-character PARMLIB suffix, for example 00.

The PARMLIB member name for each product or product component must start with the product prefix, for example FACM for File-AID Common Components. The 1- to 4-character suffixes can be used to replace the default name (FACM00). If the parameter for a given product is omitted, the default suffix will be 00.

Changing the Default PARMLIB Member

In the CMSC startup parameters, specify the product parameter, followed by the equal sign, and the 1- to 4-character suffix (for example: FACM=01, which points to PARMLIB member FACM01). If you changed your PARMLIB member name from the default FACM00 to FACM0005, for example, update your CMSC PARMLIB member to point to the new PARMLIB member, FACM=0005.

General Guidelines for PARMLIB Dataset

- The dataset can be blocked.
- The dataset can have multiple extents.
- The dataset must be on a single volume.
- The CMSC must have READ access.

Table 6. Compuware Product PARMLIB Member Parameters

Product PARMLIB Member Parameters	Product
AABD	Abend-AID BDCAS
AADC	Abend-AID DCAS
AAFA	Abend-AID Fault Analytics
AATD	Abend-AID TDCAS
AAVW	Abend-AID Viewer

Table 6. Compuware Product PARMLIB Member Parameters (*Continued*)

Product PARMLIB Member Parameters	Product
CMSC	Compuware Mainframe Service Controller
FACM	File-AID Common Component
FADA	File-AID/Data Solutions
FADE	File-AID DB2 Environment Information
FAMV	File-AID/MVS
FAFR	File-AID/RDX
FAFD	File-AID <i>for DB2</i>
FAIE	File-AID IMS Environment Information
FAIX	File-AID <i>for IMS</i>
HCI	Host Communications Interface
HSCM	Hiperstation
LMCL	License Management Client (LMSINIT)
LMSV	License Management Server (LMZINIT)
STR	Strobe
XVGB	Xpediter/Code Coverage CICS components
XD\$\$	Xpediter/CICS Index Member
XDGB	Xpediter/CICS Global components
XDDB	Xpediter/CICS DBPA components
XTSO	Xpediter/TSO
XCHG	Xpediter/ <i>Xchange</i>

Xpediter/TSO PARMLIB Syntax Rules

When editing an Xpediter/TSO PARMLIB member, the following guidelines must be observed:

- All data is case sensitive.
- Each entry is to be coded as a *KEYWORD=value* format.
- Any characters in columns 73 through 80 are ignored.
- The Data-Area containing the *KEYWORD=value* information is columns 1 through 71, unless it is extended by a continuation.
- Placing a “+” character in column 72 denotes a continuation. The Data-Area is extended by 71 bytes by appending columns 1 through 71 of the following record to the end of the Data-Area.
- An asterisk (*) in column 1 denotes a comment record:
 - A comment record cannot be continued.
 - All data on a comment record is ignored.
- Keywords are all upper case and always begin in column 1.
- The equality sign (=) must immediately follow the keyword.
- The value associated with the keyword begins immediately following the equality sign (=).
- Value termination rules:

- If the first character of the value is a single-quote ('), the string is terminated by the last single-quote in the Data-Area.
 - Otherwise, if the first character of the value is a double-quote ("), the string is terminated by the last double-quote in the Data-Area.
 - Otherwise, if a space exists in the Data-Area, the value is terminated with the character immediately preceding the first space in the Data-Area.
 - Otherwise, the value is terminated with the last byte of the Data-Area.
- Data following the last byte of the value in the Data-Area is ignored.

Parameter List

The following sections describe the available Xpediter/TSO and Xpediter/IMS parameters:

- [Establishing Run-Time Parameter Defaults](#) on page 38
- [ISPF Installation Keywords](#) on page 57
- [Installation Keywords for IMS/DB Support](#) on page 75
- [Installation Keywords for Xpediter/IMS \(IMS/DC\)](#) on page 89
- [Installation Keywords for BTS Support](#) on page 93
- [Installation Keywords for Hogan Support](#) on page 112
- [Installation Keywords for DB2 Stored Procedure Cross-LPAR Support](#) on page 123
- [JCL Procedure Expansion](#) on page 124.

Establishing Run-Time Parameter Defaults

In previous Xpediter/TSO and Xpediter/IMS releases, the following run-time parameters were set through the ADSCPDEF macro and applied as a USERMOD using the JCLRA093 install member. Beginning with Xpediter Release 17.02, these parameters are administered through the CMSC PARMLIB controller. To override the default settings of any parameters, *KEYWORD=value* specifications must be placed in a CMSC PARMLIB member following the guidelines in [Xpediter/TSO PARMLIB Syntax Rules](#) on page 37.

The member name must begin with **XTSO** and must be followed with a suffix of the installer's choosing. If the default member name is chosen (XTSO00 by default), any user executing an Xpediter/TSO debugging session without a member-name override will be subject to the options specified by the installer in that default member. If a different suffix is chosen, a mechanism will be required to apply those settings within an Xpediter/TSO session, and Xpediter provides an alternate method of accomplishing this. The Xpediter installer can assemble and link module ADSRASFX, which would contain the suffix of the customized PARMLIB member to use. Then, if the ADSRASFX module is placed in a library in the Xpediter tasklib concatenation (LIBDEF, STEPLIB, etc.), the associated users will be subject to the settings in the customized PARMLIB member.

Member ADSRASFX in the Xpediter/TSO SLXTINST library ([Figure 1](#)) contains sample JCL for creating a module that designates the suffix to use during run-time.

Figure 1. Sample JCL Member ADSRASFX

```

/*
/* THIS CREATES A MODULE ADSRASFX TO DESIGNATE THE SUFFIX
/* OF A CMSC PARMLIB MEMBER WHOSE RUN-TIME PARAMETERS
/* ARE TO BE USED FOR A DEBUG SESSION.
/*
/* REPLACE THE XXXX BELOW WITH THE APPLICABLE SUFFIX.
/*
/*ASM      EXEC PGM=ASMA90,REGION=4M,PARM=('LIST,ESD,OBJECT')
//SYSPRINT DD SYSOUT=*
//SYSPUNCH DD DUMMY
//SYSUT1   DD SPACE=(CYL,(2,2)),UNIT=VIO
//SYSUT2   DD SPACE=(CYL,(2,2)),UNIT=VIO
//SYSUT3   DD SPACE=(CYL,(2,2)),UNIT=VIO
//SYSLIN   DD DSN=&&SYSLIN,UNIT=SYSDA,DISP=(,PASS),SPACE=(80,(10,10))
//ASM.SYSIN DD *
ADSRASFX CSECT
ADSRASFX AMODE 31
ADSRASFX RMODE 24
*-----*
* ADSRASFX consists of a multiple 4 byte fields that define *
* parmlib the suffix(s) for parameter override of the Compuware *
* common member the user wishes to use for testing. If no ADSRASFX is *
* found then the default member(s) will be used. *
* *
* The only member that may be over-riden at the time is for *
* Xpediter/TSO. The default member is XTS000 *
* *
* ADSRASFX is used when an individual or group needs to test using *
* different Xpediter/TSO parameters than were specified by the *
* installer. *
* *
* To use an ADSRASFX module change the 'xxxx' in the DC CL4'xxxx' *
* below to the suffix of the XTS0xxxx common parmlib member desired. *
* Any valid characters for a PDS member name may be used. Specify *
* a 4 character suffix or a 1, 2 or 3 character suffix with trailing *
* blanks. Specifying CL4'99' is the same as specifying CL4'99 ' *
* *
* Assemble and link this module in to a PDS/PDSE that only the *
* user(s) needing different Xpediter/TSO options access *
* *
* Create a member in the Compuware common parmlib named XTS0xxxx *
* where xxxx is the matches the xxxx value in ADSRASFX. Add the *
* parameters to be used for testing and refresh the parmlib member. *
*-----*
          DC CL4'CMSC'      Indicate CMSC override
          DC A(1)           Indicate number of override slots
          DC CL4'xxxx' x or xx or xxx or xxxx left justified
          END
/*
//LINK     EXEC PGM=IEWL,REGION=4M,COND=(8,LE),PARM=('LIST,REFR')
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD SPACE=(CYL,(2,2)),UNIT=VIO
//SYSLIN   DD DISP=(SHR,PASS),DSN=*.ASM.SYSLIN
//SYSLMOD  DD DISP=SHR,DSN=your.loadlib(ADSRASFX)
//

```

Run-Time Parameter Keywords

The Run-Time Parameter specifications are identical to those used in the ADSCPDEF macro in previous Xpediter/TSO releases. For each parameter in the list below, the keyword is denoted, accompanied by the values it can have (with the default underlined>, and a description of its purpose.

CTLPANEX

Values: NO|YES

Default: YES

Description: PANEXEC support is installed on the system.

CTLEXMSE

Values: NO|YES

Default: NO

Description: Turn off user SPIEs, using XPMSEXIT. Valid values are NO and YES.

CTLDTCN

Values: NO|YES

Default: YES

Description: If the default of YES is specified, a date or time conflict of the source listing member and load module is treated as if no DDIO record were present. An error message is printed and processing is stopped. If NO is specified, processing can continue but results will be unpredictable. This option must be set to YES if the CTLDTOFF option is set to NO.

CTLPEDDN

Values: PECNTL|*nnnnnnnnnn*

Default: PECNTL

Description: The PANEXEC ddname for listing the PANEXEC control cards. Using the default would result in a dataset name of PECNTL.*userid.modulename*.LISTING.

CTLTRANS

Default: None

Description: Specifies the 8-byte name of an interface module that dynamically loads application modules. This interface module must be an Assembler module that dynamically calls a program using the first parameter passed to it (which must be the 8-character name of the program it is directed to call).

CT2VCONS

Default: None

Description: This keyword may be specified up to five times (indicating up to five excluded module names). The VCONS pointing to this module, and any VCONS within this module that point to other modules, are *not* modified to let Xpediter/TSO observe their execution. Xpediter/TSO is unaware of transfers to the specified module and is also unaware of any transfers of control from that module. Breakpoints can still be set in excluded modules or modules that are called by excluded modules. This is functionally equivalent to doing a SET EXCLUDE on the specified modules for every programmer for every test session.

If an entire set of modules (with a common prefix) is to be excluded using CT2VCONS, a

slash (/) following the common prefix can be used instead of a module name. For example, XYZ/ excludes all modules beginning with XYZ.

CT2BLBOX

Default: None

Description: This keyword may be specified up to five times (indicating up to five black box module names). The difference between modules specified here and those specified in CT2VCONS is that *only* the VCONS which are subprograms of the module(s) explicitly listed in CT2BLBOX are excluded—*not* the modules specified themselves. The VCON references to the specified modules are modified to allow Xpediter/TSO to monitor their execution, but any VCONS in the listed modules are not. Xpediter/TSO is aware of the transfer of control to the black box module(s), but is not aware of any transfers of control from the black box modules to other modules.

CTLXTDLI

Default: CBLTDLI

Description: The site-specific name of the IMS interface module, which is called instead of CBLTDLI for any IMS CALLs.

CTLICNBB

Default: None

Description: The imbedded CSECT name for black box treatment. If the specified CSECT name is found in the load module, the entire load module is treated as one load module and is used as a black box module.

CT2VTPFX

Default: XPDTR

Description: For Batch Connect, this is the prefix of the VTAM APPLIDs to be used by Xpediter.

CT2VTBEG

Default: 000

Description: For Batch Connect, this is the beginning number of a range of VTAM APPLIDs to be used by Xpediter. The CT2VTPFX will be pre-pended to this value.

CT2VTN2S

Default: 06

Description: This value is used in conjunction with CT2VTPFX and CT2VTBEG. All APPLIDs must also be defined to VTAM in the VTAMLST. Batch Connect uses two VTAM APPLIDs for each "Activity Running" Batch Job. This value identifies the number of pairs of VTAM APPLIDs. (For example, the default values would indicate VTAM APPLIDs XPDTR000 through XPDTR011).

CTLPWVTM

Default: XPED

Description: For Batch Connect, this is the password associated with each VTAM APPLID to be used by Xpediter. All APPLIDs used by Xpediter must have either **no** password or the password that is specified here. The password specified must match the password defined to VTAM in the VTAMLST.

CTLSUNIT

Default: SYSDA

Description: The default unit for the dynamically temporary dataset used by AASNAP.

CTLDATTM

Values: NO|YES

Default: NO

Description: If YES is entered, data within the IDR record in the load module is **not** used to locate the source listing member or to perform DATETIME mismatch checking. Only the module name is used to access the source listing member. DATETIME checking still occurs if the version of the compiler being used puts the date and time in the load module; otherwise, DATETIME checking cannot be performed. This option must be set to NO if the CTLDTOFF option is set to NO.

CTLBCTPT

Values: NO|YES|S

Default: YES

Description: TPUT the Batch Connect “ready to connect” messages XPD0011, XPD0012, and XPD0013. The allowable values are NO for no messages, YES for messages (single systems and SYSPLEXs), or S for messages across a SYSPLEX when option YES does not pass the TPUTs across the SYSPLEX.

CTLBCWTO

Values: NO|YES

Default: NO

Description: If YES is specified, then Write-To-Operator (WTO) the Batch Connect “ready to connect” messages XPD0011, XPD0012, and XPD0013.

CTLBCRTC

Default: x'4020'

Description: A 2-byte field for the Write-To-Operator (WTO) routing code used only if CTLBCWTO is YES. The default of X'4020' (B'0100 0000 0010 0000') represents route codes 2 (master console information) and 11 (programmer information).

CTLSEC

Values: NO|YES

Default: YES

Description: Controls Batch Connect Security. CTLSEC=NO allows Batch Connect users to *not* require that their batch job match their TSO userid (plus one character).



If your site does not enforce a standard that requires the job name to be the same as your TSO ID plus one character, then you may need to consider customizing the TSO 'OUTPUT' exit, IKJEFF53. Xpediter/TSO uses the 'OUTPUT' command to extract JCL from the JES spool after it has submitted the JCL for PROC expansion. The 'OUTPUT' command's security, by default, checks for TSO ID plus one character. By properly customizing the IKJEFF53 exit, the 'OUTPUT' command will be able to retrieve the output from the JES spool.

CTLNDISP

Default: YES|?

Description: Controls the handling of DISP=NEW datasets. If a dataset is allocated as DISP=NEW, the current default is to delete the dataset if it already exists. Some sites want to be prompted if the dataset should be deleted. These sites should change the option to CTLNDISP=?. This "deletion of the dataset" option pertains to the DEL keyword in the File Allocation Utility (FAU). Refer to Appendix A of the appropriate *User Guide* for more information regarding DEL.

CTLLMOD

Values: NO|YES

Default: NO

Description: Under IMS/BTS, to allow the source to be initially displayed for the first called static CSECT (which has the same name as the load module), specify CTLLMOD=YES.

CTLDFSR

Default: DFSRRC00

Description: Defines the name of the IMS Batch Region Controller. The IMS/DB Batch Region Control module DFSRRC00 has been renamed at some user sites and can be specified here. This name is used for Xpediter/TSO and Xpediter/IMS and BTS testing. Test option 2.3, 2.4, 2.6, 2.7, or Batch Connect.

CTLMPPRC

Default: DFSRRC00

Description: Defines the name of the IMS Batch Region Controller. Specify the IMS/MPP Batch Region Control module for the Xpediter/IMS product. Test option 2.8 or 2.10.

CTLBMPRC

Default: DFSRRC00

Description: Defines the name of the IMS BMP or IFP Batch Controller. Specify the IMS/BMP Batch Region Control module for the Xpediter/IMS product. Test option 2.9 or 2.11.

CTLVALRC

Default: DFSRRC00

Description: Defines the name of the IMS MPP and BMP Batch Region Controller validation program. Specify the IMS/MPP and BMP Batch Region Control module for the Xpediter/IMS product. Xpediter/IMS uses this program to validate the program to be tested.

CTLHSSR

Default: X034000

Description: The name of the IMS/BTS High Speed Sequential Retrieval module. If your site has renamed the IMS/BTS High Speed Sequential Retrieval module X034000, specify the new name here.

CT2XDISP

Default: PASS|null

Description: Controls the Batch Connect STEPLIB disposition. For Batch Connect, a STEPLIB DD is added that references XDYNAMIC with DISP=(SHR,PASS). If your site wants only SHR (without PASS), code CT2XDISP= (with no value).

CTLRSRVD

Default: 4

Description: Specify the amount of storage in KB (normally 4) which Xpediter will acquire for a cushion, to be freed before recovery processing.

CTLPHONE

Default: '(800) 538-7822'

Description: This 14 position field contains the phone number that users may call for Technical Support. (The current default is Compuware Customer Support's phone number.) If your site requires users to call an internal (or external) Help Desk, change this field accordingly. This field is displayed on Xpediter's main panel.

CTLROUTE

Values: NO|YES

Default: YES

Description: Controls the insertion of a /*ROUTE JCL card. Xpediter inserts this JCL card when it submits a TYPRUN=SCAN job for procedure expansion. If your site has a specific restriction against the use of a /*ROUTE card in JCL, change this option to CTLROUTE=NO to specify that /*ROUTE is not to be generated.

CTLDEBUG

Values: NO|YES

Default: YES

Description: Controls whether or not “debugging” type Xpediter commands are allowed during a Code Coverage test. YES indicates that they are allowed.

The common debugging commands which may alter the natural logic flow are:

ACCEPT	GOTO (GO TO)
DROP	MOVE
DLI	RETURN
FADB2	SKIP
GETMAIN	USE
GOBACK (GO BACK)	USING



All corresponding line commands are also affected. For further information, refer to the chapter concerning debugging (logic-altering) commands in the *Xpediter/Code Coverage Mainframe User/Reference Guide*.

CTLDTOFF

Values: NO|YES

Default: NO

Description: Controls whether or not the SET DATETIME OFF command is allowed during a Code Coverage test. The default setting will prevent this command from taking effect.

CTLREGO

Values: 000 to 128

Default: 004

Description: Is the offset to the REGID work area data when the IMS/DISPLAY ACTIVE command is entered.

CTLREGL

Values: 1 to 5

Default: 5

Description: Is the length of the REGID work area data when the IMS/DISPLAY ACTIVE command is entered.

CTLJOB0

Values: 000 to 128

Default: 10

Description: Is the offset to the JOBNAME work area data when the IMS/DISPLAY ACTIVE command is entered.

CTLJOBL

Values: 1 to 8

Default: 8

Description: Is the length of the JOBNAME work area data when the IMS/DISPLAY ACTIVE command is entered.

CTLSKTCB

Default: None

Description: Specify a name, a wildcarded name, or a full wildcard to indicate the names of the TCBs that should *not* go through DETACH processing when the EXIT command is issued in an IMS MPP test.

– CTLSKTCB=,

Continue to DETACH all TCBs that remain when the Xpediter EXIT command is issued.

– CTLSKTCB=*name*,

DETACH all TCBs except those that match the name specified when the Xpediter EXIT command is issued.

– CTLSKTCB=*name*/,

DETACH all TCBs except those that match the portion of name specified before the slash (/) character when the Xpediter EXIT command is issued.

– CTLSKTCB=/,

Do not DETACH any TCBs when the Xpediter EXIT command is issued.

CTLUTRAP

Values: NO|YES

Default: NO

Description: Controls the use of the TRAP instruction as Xpediter's method for breakpointing. CTLUTRAP=YES indicates that the TRAP instruction is to be used.

CTLUSVC

Values: NO|YES

Default: NO

Description: Controls the use of an SVC (Supervisor Call) as Xpediter's method for breakpointing. CTLUSVC=YES indicates that an SVC (specified by the CTLSVCNO field) is to be used.

CTLSVCNO

Values: 200 to 255

Description: The SVC number to be used by Xpediter as its method for breakpointing. If a valid number is specified, set CTLUSVC=YES.

CTLBRCOV

Values: NO|YES

Default: NO

Description: Controls Branch Coverage for a Code Coverage test. If Branch Coverage is not desired by your site, set CTLBRCOV=NO.

CTLAEPRE

Default: XPAE

Description: Defines the prefix used for the Xpediter Application Environments that have been defined to Workload Manager for the testing of DB2 stored procedures. The Application Environment names are in the format PPPPDDDD, where PPPP is the prefix and DDDD is a number from 0001 to CTLAENUM inclusive.

CTLAENUM

Values: 01 to 10

Default: 10

Description: Defines the number of Xpediter Application Environments that have been defined to the Workload Manager.



Each active Xpediter/TSO stored procedure test requires a Batch Connect region. Consider this carefully when defining CT2VTPFX, CT2VTBEG and CT2VTN2S.

CTLXSEC

Values: NO|YES

Default: NO

Description: Controls the invocation of an additional RACROUTE security call when using the Xpediter DB2 Stored Procedure feature. If this additional security call is desired by your site, set CTLXSEC=YES.

CTLBTSIN

Values: 0000 to 9999

Default: 0500

Description: Controls the maximum number of ./T cards that can be retrieved from the BTSIN dataset. If the number of ./T cards exceeds this value, a message is written to the Xpediter test session log and the test is terminated.

CTLLOWCS

Values: C|A|N|K

Default: C

Description: The default setting for Xpediter's LOWCASE option while testing in Batch Connect. The four possible settings relate to the CONVERT, ASIS, NONE and KATAKANA values. Please refer to the LOWCASE option of the SET command in the *Xpediter/TSO and Xpediter/IMS Reference Manual* for more information.

CTLIMSUS

Values: NO|YES

Default: NO

Description: If YES is specified, the Xpediter/IMS User ID support will be activated. See "Task 9.5 Activate Xpediter/IMS" in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide* for more information.

CT2TRLAT

FROMHEX=xx

TOHEX=yy

END

Default: None

Description: Uses the "block" format to define overrides as to how non-alphanumeric characters are displayed. The hexadecimal value *yy* is substituted for hex value *xx*. Specifying ND instead of *yy* causes the current NONDISP character to be substituted for hex value *xx*. A maximum of 30 "blocks" (indicating a maximum of 30 substitutions) can be specified. A user can supplement or override these values by specifying up to twenty-five overrides with the SET TRANSLATE command during a test session.

CTLSV222

Values: NO|YES

Default: NO

Description: Controls the placement of breakpoints in Assembler on instructions which immediately follow the invocation of SVC 222. If breakpoints should *not* be allowed on any instruction immediately following an SVC 222 instruction, set CTLSV222=YES.

CTLTISXT

Values: NO|YES

Default: NO

Description: Prevents a SOC1 abend at termination of certain database applications, such as SUPRA. If an XPED TIS test is to be conducted (for example, by specifying sample TISEXIT as a user exit under Execution Time Exit Routines), set CTLTISXT=YES.

CTLSDBCS

Values: NO|YES

Default: NO

Description: Controls Xpediter's display translation of double-byte character set (DBCS) characters in Batch Connect mode. The default of NO causes DBCS characters to be removed as unprintable. Use the YES setting only if your terminal supports the display of DBCS characters. The setting of CTLSDBCS can be overridden during testing with the SET DBCS command. Refer to the *Xpediter/TSO and Xpediter/IMS Reference Manual* for more information.

CTLSLANG

Values: ENGLISH|JAPANESE

Default: ENGLISH

Description: Sets the language that Xpediter will use for its messages in Batch Connect mode. The setting of CTLSLANG can be overridden during testing with the SET LANGUAGE command. Refer to the *Xpediter/TSO and Xpediter/IMS Reference Manual* for more information. Valid values are ENGLISH and JAPANESE.

CT2DDIGN

Default: None

Description: This keyword may be specified up to five times (indicating up to five DDNAMEs). The DDNAMEs correspond to files Xpediter/TSO will not attempt to close if left open at the end of a test session. This may be useful when another program or product requires that certain files be left open after an Xpediter debugging session is over. Note that it is possible to incur an SC03 abend for files unable to be closed at termination. Specifying values for this keyword is functionally equivalent to issuing a SET DDIGNORE command with the specified DDNAMEs for every Xpediter user for every test session.

If an entire set of DDNAMEs with a common prefix is to be ignored using CT2DDIGN, a slash (/) can be used as a wildcard after the common prefix. For example, XYZ/ will cause all DDNAMEs beginning with XYZ to be ignored.

CTLZPARM

Values: NO|YES

Default: YES

Description: Controls whether Xpediter zeroes out General Purpose Register 1 when the high-level COBOL program does not have a USING clause on the Procedure Division. The default of YES will cause the register to be zeroed out. If NO is specified, the initial value in the register will not be changed.

CTLFPD

Values: NO|YES

Default: YES

Description: Controls whether Xpediter utilizes its post/GU/detach logic to commit Fast Path changes at EXIT. This logic could potentially postpone transaction scheduling in a parallel, non-Xpediter region. Specify NO to bypass the post/GU/detach logic.

CTLIPEP

Values: NO|YES

Default: YES

Description: Xpediter/IMS performs edits based on standard processing to ensure proper setup of IMS tests. One such edit ensures that the program name specified for an IMS/MPP test is equal to the PSB name to be used. To bypass this PROGRAM=PSB edit, specify NO for this option. Compuware recommends using the default value of YES.

CTLIPDEF

Values: NO|YES

Default: YES

Description: Xpediter/IMS performs edits based on standard processing to ensure proper setup of IMS tests. One such edit ensures that all program names specified for an IMS/MPP test have been defined to the IMS system being used. To bypass this program name definition edit, specify NO for this option. Compuware recommends using the default value of YES.

CTLMBPDP

Default: CWXT

Description: Defines the high-level qualifier of the Multi-Batch pseudo dataset name. Valid values may contain up to 8 characters.

CTLABBR

Values: NO|YES

Default: NO

Description: Controls whether Xpediter will create an abbreviation for each long CSECT name it encounters (YES), or simply truncate the name (NO).

CTLABBRC

Default: A1

Description: Specifies the hex representation of the character included by Xpediter when it assigns abbreviations for long CSECT names.

CT2DDTDX

Default: None

Description: This keyword may be specified up to five times, indicating up to five DDNAME/DBDNAMES. The names correspond to files Xpediter/TSO will not monitor while collecting Test Data Optimization information during a test session in which TDO is active. If there is no intention of producing a subset of a file, specifying its DDNAME or DBDNAMES may reduce overhead and resource utilization.

Specifying values for this keyword is functionally equivalent to issuing a SET TDODDXCL command with the specified DDNAME/DBDNAMES for every Xpediter user for every test session.

If an entire set of DDNAME/DBDNAMES with a common prefix is to be ignored during TDO processing, a slash (/) can be used as a wildcard after the common prefix. For example, XYZ/ will cause all DDNAME/DBDNAMES beginning with XYZ to be ignored for TDO processing.

CTLWIDHX

Values: NO|YES

Default: NO

Description: Controls whether Xpediter/TSO uses entire lines to show HEX data. The default of NO will display data in the Keep window to the right of the variable name. Specifying YES will use entire lines under the variable name to display data. A minimum Keep window size of 5 is required.

CTLWLM01

Default: None

Description: Defines the 8-character name of an additional workload manager load module. The workload manager load module, DSNX9WLM, has been renamed at some user sites and can be specified here. This name is used for Xpediter/TSO testing, option 4 (STORED PROC).



For test option 2.12, the DSNX9WLM load module is always invoked.

CTLCMNTS

Values: NO|YES

Default: YES

Description: Controls whether Xpediter/TSO deletes or keeps JCL comments when converting an execution JCL file in the Batch Connect facility. The default of YES will delete JCL comments. Specifying NO will keep JCL comments.

CTLCDATA

Values: E|N

Default: E

Description: If the default of E (Enhanced) is specified, C data handling follows a syntax closer to that of the language. This functionality is different from traditional Xpediter data handling. If set to NO, the traditional, less robust form of data handling will be used.

CTLLESTO

Values: NO|YES

Default: NO

Description: Controls whether Xpediter/TSO will allow the Language Environment run-time STORAGE option to be overridden.

The default of NO implies that Xpediter will set the Reserve_Size sub-option of the LE STORAGE option to a minimum of 8K and will mark the option NONOVR. Specifying YES implies that the site or user can override Xpediter's setting, making certain that the Reserve_Size sub-option is at least 8K to accommodate the Language Environment requirement to support ATTENTION key processing.

CTLCOMO

Values: NO|YES

Default: YES

Description: Controls whether the SET COMPARE command can be used at the site. Specifying YES allows users to issue the SET COMPARE command to switch between the PAD and NOPAD options at any time during their debugging session. Specifying NO disallows the use of the SET COMPARE command and, if the command is issued, causes a message to be displayed stating that the PAD/NOPAD setting cannot be overridden due to installation defaults.



If CTLCOMO is set to NO, the SHOW SET command will display the value NONOVR following the PAD or NOPAD value. For example: `COMPARE ==> PAD, NONOVR`

CTLCOMP

Values: NO|YES

Default: YES

Description: Controls whether Xpediter/TSO uses padding characters (YES=PAD)—or does not (NO=NOPAD)—when doing comparisons using Xpediter/TSO commands. If CTLCOMP=YES is specified and two items are compared, padding characters are used to extend the length of the shorter item to match the length of the longer one. Xpediter/TSO behaves this way by default. If CTLCOMP=NO is specified, no padding characters are added, and Xpediter uses the length of the shorter item for the comparison.

CTLMPPTO

Values: 0000 to 9999

Default: 0000

Description: The number of minutes an MPP test being debugged in Xpediter can be inactive before it times out. The default is 0000, and a time out condition will not occur with CTLMPPTO set to 0000.

CTLEXABN

Values: NO|YES

Default: NO

Description: Controls whether Xpediter/TSO will ABEND for a U3669 whenever the EXIT/QUIT command is issued. This could facilitate a ROLLBACK in an IMS environment.

CTLADDIO

Values: NO|YES

Default: YES

Description: Automatically allocate CSS files based on the IDRU dataset name in load module (also known as AUTODDIO). When a program is pre-compiled with CSS, the binder places the name of the CSS source file in the IDRU record. When CTLADDIO=YES, Xpediter/TSO will use this to allocate the CSS source file without the user having to specify the dataset name on the test session Setup DDIO (SE.2) screen.

CTLASSD

Values: NO|YES

Default: YES

Description: Automatically allocate CSS files based on appending **.SSD** to the load library name (also known as AUTOSSD). When CTLASSD=YES, Xpediter/TSO will, for each load module, strip the suffix from the load library name, append **.SSD**, and use this generated dataset name as a possible CSS source file. This eliminates the user having to specify the dataset name in the test session Setup DDIO (SE.2) screen. Use of this parameter is part of the Compuware Best Practices initiative. Contact Compuware Customer Support for additional information (see [Customer Solutions](#) on page 8).

CTLGMT

Values: NO|YES

Default: YES

Description: Record System Flow time using GMT time. Setting CTLGMT=NO will use local time for recording System Flow.

CTLIMSDB

Description: Xpediter/IMS Database Name (if not XPIMSDB).

CTLPDLI1

Values: NO|YES

Default: NO

Description: Force PARDLI=1 in IMS MPP PARM. If CLTPDLI1=YES, an Xpediter/IMS test will force PARDLI=1 in the Message Processing Region PARM. PARDLI=1 prevents control region system 113 abends resulting from system X22 abends in the region. If PARDLI=1, parallel DL/I is disabled. This can degrade performance.



Using PARDLI=1 for MPP, JMP, or IFP regions can seriously degrade performance. Use of PARDLI=1 for MPP, JMP, or IFP regions is intended only for application debugging purposes, if needed.

CTLSTOPN

Description: IMS STOP BMP program and PSB name (if not XPSTOP).

CTLSTOPT

Description: IMS STOP BMP transaction name (if not XPST).

CTLVBPGM

Description: IMS Validation BMP program name (if not ADSIM001).

CTLVBPSB

Description: IMS Validation BMP PSB name (if not ADSIM001).

CTLVBTC

Description: IMS Validation transaction name (if not XPEDTX1).

Establishing ISPF Installation Parameter Defaults

The following ISPF installation parameters were previously set by navigating through approximately 50 different ISPF panels and entering any overrides in the designated fields. After doing so, all new values were stored in the Xpediter/TSO ISPF tables dataset in members XPTDFLTS (default name), XPTPROCS, and XPTPROCD, while the previous values were stored in member XPTBACK0. Beginning with Xpediter/TSO Release 17.2, these ISPF values are now administered through the CMSC PARMLIB controller. After the member has been configured, the CMSC REFRESH operation must be performed, then the values must be committed into the same ISPF table as before (typically, the SLXTTABL target library resulting from the SMPE installation). Once the values are committed into the table dataset, any Xpediter/TSO session launched under ISPF with that table's dataset will be subject to the values specified in the PARMLIB member. The "commit" process is accomplished by executing the XPCINST CLIST, as in previous releases.

In order to override the default settings of any parameters, *KEYWORD=value* specifications must be placed in a CMSC PARMLIB member following the guidelines in [Establishing Run-Time Parameter Defaults](#) on page 38. A single Xpediter CMSC PARMLIB member can contain both ISPF Installation Parameters and Xpediter/TSO Run-Time Default Parameters (previously defined in load module ADSRA093 through the ADSCPDEF macro). The two types of parameters can also be placed in

separate members. It is important to remember that although the Xpediter/TSO Run-Time Default Parameters within a CMSC PARMLIB member may be effective immediately once the CMSC REFRESH operation is successfully executed against the targeted CMSC member, the INSTALL/COMMIT dialog is required for the Xpediter/TSO ISPF Installation Parameters to become effective. Until they are committed through that process into the ISPF table dataset, the values previously set in the ISPF table dataset will continue to govern each session to which the table's datasets are allocated. Thereafter, any time an Xpediter/TSO ISPF Installation Parameter is changed, the INSTALL/COMMIT dialog must be re-executed for those changes to take effect.

Remember also that a CMSC REFRESH operation is required for CMSC member data to be made available for a product's use. For that reason, a CMSC REFRESH is also required before the COMMIT operation can be effective. As part of the logic underlying the COMMIT dialog, a programmatic REFRESH command will be issued before processing member data. Once the REFRESH operation completes, you should examine the job output from the CMSC address space to confirm no problems were detected with the parsing and validation done during the REFRESH process.

If you place Run-Time Default Parameters in the same CMSC PARMLIB member as the ISPF Installation Parameters, the Run-Time Parameters are made effective once the programmatic REFRESH has successfully completed, but the ISPF Installation Parameters will not become effective until the COMMIT dialog has successfully completed. In other words, if the two types of parameters are combined in a single CMSC PARMLIB member, when you issue the CMSC REFRESH command through a console interface, the Run-Time Parameters take effect immediately, while the ISPF Installation Parameters don't take effect until the COMMIT dialog has been executed successfully.

Installation Defaults Screen

The following screen is displayed by executing the installation CLIST, XPCINST, as described in [Configure Xpediter ISPF Support](#) on page 26.

On the Installation Defaults screen shown in [Figure 2](#), enter the dsname of your Table Library in the Output field and press Enter to review the Installation Options screens.

Figure 2. Installation Defaults Screen

```

COMPUWARE INSTALL ----- INSTALLATION DEFAULTS -----
COMMAND ==>

This process will commit the changes made to the CMSC PARMLIB member into
member XPTDFLTS in the Xpediter/TSO Table Library. A CMSC "REFRESH" will be
attempted before the COMMIT action is performed. Member XPTBACKO will be
used to save the previous values.

Enter the DSNAME of the Table Library to be updated:
Output ==> 'SYS2.XPEDITER.R170000.SLXTTABL'

To copy existing installation defaults, enter the DSNAME of the old
Table Library (optional):
Input ==>

Enter the suffix of PARMLIB member (XTS0ssss) to be committed
Suffix ==> (The default is used if no override is entered)

Action ==> (Type COMMIT and hit enter to process)

Should Dataset Names in PARMLIB be validated? YES

```

The definitions of the fields on the Installation Defaults screen are:

Output

Specify the dsname of the XPEDITER.TABLES library or any other library where you want to store site-wide installation defaults. Type over any name that is already in this field.

Input

Optional. To copy installation defaults from a previous version, enter the dsname of the old Table Library. When performing the INSTALL/COMMIT dialog for the first time when installing a new product release, the installer should roll forward the values from the previously installed ISPF table. This will preserve timestamp data that controls user notification that Install Defaults have been updated. If this optional value is not specified, the Xpediter delivered default values are used as initial values.

Suffix

Optional. The CMSC PARMLIB member containing the Xpediter/TSO ISPF Installation Parameters is **XTSO $nnnn$** where **$nnnn$** is a suffix chosen by the installer of Xpediter. If this suffix is the one specified by the installer of CSMC as the default suffix (normally **00**), no specification is needed on this screen. If, however, the suffix differs from the default suffix, the new suffix must be specified here.

Action

To begin the INSTALL/COMMIT process, type **COMMIT** and press Enter.

Should Dataset Names in PARMLIB be validated?

Xpediter verifies that a properly-constructed dataset name format is used for DSNAMES specifications. Existence of the dataset is also verified. You can skip the verification of whether the dataset exists by specifying **NO** in this field.

ISPF Installation Parameter Report

When you type **COMMIT** and press Enter on the Installation Defaults screen shown in [Figure 2](#), the INSTALL/COMMIT process begins. The underlying program will merge the previous table values (if requested), perform the programmatic REFRESH, retrieve and validate the CMSC member values, and produce a report of any errors detected during the process. After you browse the report and are satisfied there are no errors, you are prompted to confirm the COMMIT process. If there are errors, you can correct the elements in the CMSC PARMLIB member and retry the process.

Save Installation Defaults Screen

The Save Installation Defaults screen ([Figure 3](#)) is used to save the installation defaults you have specified.



If you press PF3 or enter END, all changes made to the defaults will not be saved.

You must press Enter to commit the defaults you have specified.

Figure 3. Save Installation Defaults Screen

```

COMPUWARE INSTALL ----- SAVE INSTALLATION DEFAULTS -----
COMMAND ==>

                Save the installation defaults?

Verify the DSNAME of the output Table Library

        DSNAME ==> 'CPWR.XT.SLXTTABL'

Note: This process updates member XPTDFLTS in the above dataset.
      The old defaults are saved as member XPTBACK0 in the same dataset.

Note: After changing the installation defaults, users will receive
      a warning message XPM001B. The message will direct them to
      the HELP panels. The user must go to the SETUP screen and
      enter RESTORE on the command line to update the test profile
      with the new changes.

                Press ENTER to Update the Installation Defaults Table
                and save the Installation report to your ISPF List dataset.

                Enter END Command to Cancel Without Updating the Defaults

```

The only field on the Save Installation Defaults screen is:

DSNAME

Verify the dsname of the XPEDITER.TABLES library or other library in which you expect to store site-wide installation defaults.

ISPF Installation Keywords

The following sections identify the ISPF Installation Parameter keywords to be specified in the CMSC PARMLIB member when the installer wants to change a default value. Before changing a value, you should review the guidelines and options presented at the beginning of this chapter.

Product Features Keywords

The following are Xpediter's Product Features keywords:

IBMSMS_ACTIVE

Values: NO|YES

Default: NO

Description: If your site generally uses Storage Management Subsystem (SMS) to manage dataset allocation parameters, specify YES.

IBM_SESSION_MANAGER

Values: NO|YES

Default: NO

Description: If your site intends to debug application programs using native TSO with IBM's Session Manager product rather than ISPF, specify YES.

PANEXEC_LOAD_MODULE_SUPPORT

Values: NO|YES

Default: NO

Description: Enter NO unless your site intends to debug application programs using PANEXEC, in which case, specify YES. (Do not confuse PANEXEC with PANVALET.)

IBM_DB2

Values: NO|YES

Default: NO

Description: If your site intends to debug application programs that use DB2 with either the TSO or IMS ATTACH facility, specify YES.

ENHANCED_FIND_COMMAND

Values: NO|YES

Default: YES

Description: If your site does not intend to use the extended debugging features of the FIND command, specify NO. Unless NO is specified, you must add the parameter **DDIO(OUTPUT (FIND))** to your CSS CWPPRMO compile time parameter dataset. For more information on the enhanced FIND command, see the FIND command for COBOL in the *Xpediter/TSO and Xpediter/IMS Reference Manual*.

XPEDITER_IMS

Values: NO|YES

Default: NO

Description: If you have Xpediter/IMS installed, specify YES.

FILE_AID_FOR_MVS

Values: NO|YES

Default: NO

Description: Specify YES if you have installed File-AID. The default of NO signifies File-AID/MVS is not installed.

FILE_AID_FOR_IMS

Values: NO|YES

Default: NO

Description: Specify YES if you have installed File-AID *for IMS*. The default of NO signifies File-AID *for IMS* is not installed.

FILE_AID_FOR_DB2

Values: NO|YES

Default: NO

Description: If you have installed File-AID *for DB2*, specify YES.

XPEDITER_FOR_DB2_EXTENSION

Values: NO|YES

Default: NO

Description: If you have installed the Xpediter for DB2 Extension, specify YES.

MESSAGE_TO_DISPLAY_ON_PRIMARY_MENU

Default: None

Description: Enter the name and/or the telephone number of your site's Xpediter/TSO technical support representative. Normally, this is an on-site systems programmer or information center representative. Enter the telephone number from [Customer Solutions](#) on page 8 if you want users to contact Compuware directly.

BASIC_CODE_COVERAGE_SUPPORT

Values: NO|YES

Default: NO

Description: If you have installed Code Coverage, specify YES.

IMS_CODE_COVERAGE_SUPPORT

Values: NO|YES

Default: NO

Description: If you have installed Code Coverage for IMS, specify YES.

DB2_STORED_PROCEDURE_SUPPORT

Values: NO|YES

Default: NO

Description: If you have installed DB2 Stored Procedure Support, specify YES.

DB2SP_CROSS_LPAR_SUPPORT

Values: NO|YES

Default: NO

Description: If you plan to use Xpediter's DB2 Stored Procedure Cross-LPAR Support, specify YES.

MULTI_BATCH_BATCH_CONNECT

Values: YES|MBONLY|BCONLY

Default: YES

Description: Specify MBONLY (Multi-Batch only) if you have only installed Multi-Batch. Specify BCONLY (Batch Connect only) if you have only installed Batch Connect. Specify YES if you have installed *both* Multi-Batch and Batch Connect.

Examples of Product Features Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
IBMSMS_ACTIVE=YES
IBM_DB2=YES
DB2_STORED_PROCEDURE_SUPPORT=YES
ENHANCED_FIND_COMMAND=YES
XPEDITER_IMS=YES
FILE_AID_FOR_DB2=YES
XPEDITER_FOR_DB2_EXTENSION=YES
```

Debug Environments Keywords

The following are Debug Environments keywords used to specify the available test environments selected by your site.

IMS_DB

Values: NO|YES

Default: NO

Description: If your site supports IMS/DB, enter YES.

BTS

Values: NO|YES

Default: NO

Description: If your site supports BTS, enter YES.

HOGAN_BATCHPEM_STD

Values: NO|YES

Default: NO

Description: If your site intends to debug batch application programs using Hogan, specify YES.

HOGAN_DLIPEM_IMS_DB

Values: NO|YES

Default: NO

Description: If your site intends to debug application programs using Hogan and IMS/DB is available, specify YES.

HOGAN_IMSPEM_BTS

Values: NO|YES

Default: NO

Description: If your site intends to debug application programs using Hogan and BTS is available, specify YES.

XPEDITER_IMS_MPP

Values: NO|YES

Default: NO

Description: If your site has installed IMS/DC and MPP is supported, specify YES.

XPEDITER_IMS_BMP

Values: NO|YES

Default: NO

Description: If your site has installed IMS/DC and BMP is supported, specify YES.

XPEDITER_IMS_IFP

Values: NO|YES

Default: NO

Description: If your site has installed IMS/DC and Fast Path is supported, specify YES.

XPEDITER_IMS_HOGAN_IMSPEM_MPP

Values: NO|YES

Default: NO

Description: If your site has installed IMS/DC and Hogan and MPP regions are supported, specify YES.

XPEDITER_IMS_HOGAN_BMPPEM_BMP

Values: NO|YES

Default: NO

Description: If your site has installed IMS/DC and Hogan and BMP are supported, specify YES.

XPEDITER_IMS_APPLICATION_GROUP_NAME

Default: None

Description: Specify the Application Group Name, if any, which is the 1- to 8-character security field for control of the IMS region at your site for PSB ADSIM001 and transaction code XPEDTX1.

Examples of Debug Environments Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
IMS_DB=YES
BTS=YES
HOGAN_BATCHPEM_STD=YES
```

Base Product Datasets Keywords

The following are the Base Product Datasets keywords used to list dsnames for the load and HELP libraries that are used by the run-time system.

BASE_PRODUCT_DATASETS_LOADLIB_1
BASE_PRODUCT_DATASETS_LOADLIB_2
BASE_PRODUCT_DATASETS_LOADLIB_3
BASE_PRODUCT_DATASETS_LOADLIB_4
BASE_PRODUCT_DATASETS_LOADLIB_5
BASE_PRODUCT_DATASETS_LOADLIB_6

Default: None

Description: If they are *not* specified already under ISPLLIB DD, STEPLIB DD, or the LIBDEF service, specify the following:

- Xpediter/TSO load library dsname (created from \$GB01PRA)
- Xpediter/Code Coverage load library dsname (refer to the *Xpediter/Code Coverage Installation and Configuration Guide*)
- Enterprise Common Components load library dsname (refer to *Enterprise Common Components Installation and Customization Guide*)

BASE_PRODUCT_DATASETS_HELPLIB_1
BASE_PRODUCT_DATASETS_HELPLIB_2
BASE_PRODUCT_DATASETS_HELPLIB_3

Default: For **BASE_PRODUCT_DATASETS_HELPLIB_1=**
 'HLVLNODE.XPEDITER.HELP'

Required: yes

Description: Specify the dsname created from \$GB01PRA, DDNAME SLXTHENU (if using the default HELP members), or from DDNAME SLXTHJPN (if your site requires Kanji HELP members).

Examples of Base Product Datasets Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
BASE_PRODUCT_DATASETS_HELPLIB_1=
BASE_PRODUCT_DATASETS_HELPLIB_3='XT.PROD.MLXT170.SLXTHENU'
```

Options/TRSMMAIN/CCI Keywords

The following are the Options/TRSMMAIN/CCI keywords used to specify the dataset name of the Options library, the library that contains the IBM TRSMMAIN module, and the customer contact information (CCI) for the DOCUMENT command.

OPTIONS_DATA_SET

Default: 'HLVLNODE.XPEDITER.XOPTIONS'

Required: yes

Description: Specify the name of the XOPTIONS VSAM dataset that was created in the applicable new installation or upgrade task “Configure the XOPTIONS File” in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.

TRSMMAIN_LIBRARY

Default: None

Description: Specify the dataset name of the library that contains IBM’s TRSMMAIN module. This module is used during the transfer stage of Xpediter’s documentation packaging utility. The dataset name must be fully qualified and enclosed in single quotes. If the TRSMMAIN module resides in the linklist, this keyword can be omitted.

CUSTOMER_CONTACT_NAME CUSTOMER_CONTACT_PHONE CUSTOMER_CONTACT_EMAIL

Default: None

Description: Specify appropriate site default values in the Name keyword and either the Phone Number or E-mail Address keyword (or both). If you do not provide this information and the user has not entered it on the Document Dataset screen, they will be prompted for it the first time they try to enter a test.



When the DOCUMENT command is issued under the direction of Compuware Technical Support, this customer contact information is packaged with other components for submittal to Compuware.

Examples of Options/TRSMMAIN/CCI Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
OPTIONS_DATA_SET='XT.PROD.MLXT170.XOPTIONS'  
TRSMMAIN_LIBRARY='IBM.LOADLIB'  
CUSTOMER_CONTACT_NAME='John Smith'  
CUSTOMER_CONTACT_PHONE=888-555-1212  
CUSTOMER_CONTACT_EMAIL=JSMITH@myivp.com
```

New Datasets Keywords

The following are the New Datasets keywords used to define the defaults that are displayed when a new, temporary, or SYSOUT dataset is allocated.

For New Datasets:**NEW_DATASET_ALLOCATION_DATA_CLASS****Default:** None**Description:** Specify the data class defined by your site that contains the dataset attributes to be used for new datasets. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.**NEW_DATASET_ALLOCATION_SPACE_ALLOCATION_UNITS****Values:** TRK|CYL|block size**Default:** TRK**Description:** Specify TRK, CYL, or a specific block size. Use your site's recommended default for allocating new testing datasets.**NEW_DATASET_ALLOCATION_PRIMARY_QUANTITY****Values:** 0 to 32768**Default:** 2**Description:** Use your site's recommended default for allocating new testing datasets.**NEW_DATASET_ALLOCATION_SECONDARY_QUANTITY****Values:** 0 to 32768**Default:** 2**Description:** Use your site's recommended default for allocating new testing datasets.**NEW_DATASET_ALLOCATION_OPT_BLOCKING_FACTOR****Values:** 1 to 32768**Default:** 0**Description:** Use your site's recommended optimum for allocating new testing datasets. If your system is set up to calculate the optimal block size, set this value to zero.**NEW_DATASET_ALLOCATION_STORAGE_CLASS****Default:** None**Description:** Specify the storage class name defined by your site that contains the dataset attributes to be used for new datasets. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.**NEW_DATASET_UNIT_NAME****Default:** None**Description:** Specify your site's recommended unit name for allocating new datasets.

NEW_DATASET_VOLUME_REQUIRED

Values: NO|YES

Default: NO

Description: Specify YES if your site requires the specification of a volume (VOL=SER=?????) when allocating new testing datasets from TSO.

NEW_DATASET_VOLUME_1
NEW_DATASET_VOLUME_2
NEW_DATASET_VOLUME_3
NEW_DATASET_VOLUME_4
NEW_DATASET_VOLUME_5

Default: None

Description: If your site has a limited number of volumes on which new testing datasets can be allocated from TSO, specify the list here. Otherwise, you can omit these specifications.

NEW_DATASET_UNIT_REQUIRED

Values: NO|YES

Default: NO

Description: Specify YES if your site requires the specification of a unit (UNIT=?????) when allocating new testing datasets from TSO.

NEW_DATASET_UNIT_1
NEW_DATASET_UNIT_2
NEW_DATASET_UNIT_3
NEW_DATASET_UNIT_4
NEW_DATASET_UNIT_5

Default: None

Description: If your site has a limited number of units on which new testing datasets can be allocated from TSO, specify the list here. Otherwise, leave these fields blank.

NEW_DATASET_GDG_STABILITY

Values: NO|YES

Default: NO

Description: Specify YES if your site's Generation Data Group (GDG) datasets are to be referenced by relative generation numbers that refer to the same generation for the life of the job or the TSO session.

For SYSOUT Files:**SYSOUT_DATASET_DEFAULT_SYSOUT_CLASS****Default:** None**Required:** yes**Description:** Specify the SYSOUT class where interactively produced SYSOUTs are to be queued (by default). An asterisk (*) causes the values defined in UADS or RACF to be used.**SYSOUT_DATASET_HELD_SYSOUT_CLASS****Default:** None**Required:** yes**Description:** Specify the JES SYSOUT class where held output is to be queued. An asterisk (*) causes the values defined in UADS or RACF to be used. This class is required by the File Allocation Utility (FAU) EXPAND option and used for PROC expansion in Batch Connect.**Work Files Keywords**

The following are the Work Files keywords used to specify the maximum block size for your load libraries, and to specify the XDYNAMIC allocation parameters.

Maximum BLKSIZE:**MAXIMUM_LOAD_LIBRARY_BLKSIZE****Default:** 32760**Description:** If your site allows concatenated user load libraries, specify the maximum BLKSIZE of the load library. Otherwise, specify the maximum BLKSIZE supported at your site.**Work Datasets Default:****WORK_DATASET_ALLOCATION_STORAGE_CLASS****Default:** None**Description:** Specify the storage class name defined by your site that contains the dataset attributes to be used for Xpediter work file allocations. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.**WORK_DATASET_ALLOCATION_UNIT****Default:** SYSDA**Description:** Define the DASD unit name to be used for Xpediter work file allocations. This should be a VIO eligible unit.

XDYNAMIC Allocation Parameters:**XDYNAMIC_ALLOCATION_DATA_CLASS****Default:** None**Description:** Specify the data class name defined by your site that contains the dataset attributes to be used for the XDYNAMIC dataset. This can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.**DYNAMIC_ALLOCATION_SPACE_ALLOCATION_UNITS****Values:** TRK|CYL|block size**Default:** CYL**Description:** Specify TRK, CYL, or a specific block size. Use your site's recommended default for allocating new testing datasets.**XDYNAMIC_ALLOCATION_PRIMARY_QUANTITY****Default:** 5**Description:** Use your site's recommended default for allocating new testing datasets. Provide for enough space for all modules named in intercept keywords plus modules listed with a SET DYNAMIC.**XDYNAMIC_ALLOCATION_SECONDARY_QUANTITY****Default:** 0**Description:** This is usually left at zero.**XDYNAMIC_ALLOCATION_DIRECTORY_BLOCKS****Default:** 10**Description:** Provide enough directory blocks for all modules that will go into XDYNAMIC. Allow one block for every 5 modules.**XDYNAMIC_ALLOCATION_DATASET_TYPE****Values:** LIBRARY|PDS**Default:** PDS**Description:** Specify the type of dataset to be allocated for the XDYNAMIC dataset. Specifying LIBRARY will cause the dataset to be allocated as a PDSE file. Specifying PDS or blanks will cause the dataset to be allocated as a PDS file. It is recommended that you specify LIBRARY if you are using program objects instead of load modules.**Local Printer Support Keywords**

The following are the Local Printer Support keywords used to supply certain local or remote printer defaults.

LOCAL_PRINTER_AVAILABLE

Values: NO|YES

Default: NO

Description: Specify YES if your site supports entering a Local Printer ID from any ISPF keywords with a PD or PK print option.

LOCAL_PRINTER_TSO_COMMAND

Default: None

Description: If you specified YES for LOCAL_PRINTER_AVAILABLE, specify DSPRINT or the name of the command your site uses for spooling output to a local printer. Otherwise, you can omit this specification.

LOCAL_PRINTER_ADDITIONAL_KEYWORDS

Default: None

Description: If you specified YES for LOCAL_PRINTER_AVAILABLE and you normally specify additional keywords with your SPOOL command, specify the keywords here. Otherwise, you can omit these specifications.

Establishing Universal Exits

A universal exit is a program, panel, or CLIST that is executed by all users. There are two types of universal exits:

- *General exits* are executed before and/or after each Xpediter/TSO test session (entry and exit of the Primary Menu).
- *Specific exits* are executed before or after a particular test, IMS, BTS, etc., before the Source screen is displayed, and at test termination because of an EXIT or a GO.

Each type offers the possibility of a before and after exit. The information to be specified is the data that would follow an ISPF SELECT command:

Panel	PANEL(XXXX)
CLIST or TSO command	CMD(XXXX)
Program	PGM(XXXX)

As an example of a universal exit, suppose you want to display a panel called XYZ1234 before the Xpediter/TSO Primary Menu is displayed. Specify:

```
BEFORE_TEST_GENERAL_EXIT=PANEL(XYZ1234)
```

The DSNNAME QUALIFIER EXIT, which is a general exit, is executed the first time a user enters Xpediter/TSO. The function of this exit is to provide a method of specifying an alternate dataset name prefix, rather than using the TSO user ID. Any other initialization process can also be done at this time.

The Library Management exit is a site-specific exit routine used to retrieve JCLs from the appropriate source management and control product (such as ISPW, Librarian, Panvalet, Endeavor, etc.).

The following sample CLIST exits are provided in SLXTSAMP:



XPCDSNQ - This is an example of an exit routine that sets an Xpediter/TSO variable to a high-level qualifier that is used by Xpediter/TSO when allocating user datasets, such as your Xpediter/TSO session log and script datasets. See the member for further instructions.

XPCSTPLB - This is an example of an exit routine that sets an Xpediter/TSO variable to a JCL card image that will be used to add the JCL card image as the last card in the Batch Connect modified STEPLIB DD concatenation. See the member for further instructions.

General Exit Routines Keywords

The following are General Exit Routines keywords used to specify exit routines used at your site. A general exit is executed for every Xpediter test session. A *before general exit* is executed before the Primary Menu for Xpediter is displayed. An *after general exit* is executed after you exit the Xpediter Primary Menu. There are no defaults delivered with Xpediter.

DSNAME_QUALIFIER_EXIT

Default: None

Description: Specify an exit to be run the first time Xpediter is used. This exit can set up the dataset name prefix or any other initialization process for a new user.

BEFORE_TEST_GENERAL_EXIT

Default: None

Description: Specify an exit routine to execute before you access the Compuware Primary Menu.

AFTER_TEST_GENERAL_EXIT

Default: None

Description: Specify an exit routine to execute after you leave the Compuware Primary Menu.

NEW_PROFILE_EXIT

Default: None

Description: Specify an exit routine to execute when you are creating a new profile. Refer to sample CLIST XPCPROF.

JOB_STATEMENT_EXIT

Default: None

Description: Specify an exit routine to execute before Xpediter TYPRUN=SCAN jobs to analyze the user's JCL.



This exit is not used when the user's job is submitted via Batch Connect.

BATCH_CONNECT_CLASS_EXIT**Default:** None**Description:** Specify an exit routine to execute before JCL is submitted to start a batch job to be tested. A sample exit, XPBATXIT, is provided in the install PDS. XPBATXIT scans the JOB card of the submitted JCL and either changes the job class to a specified value, defaults to L, or issues an error if no class was specified or if the length of the job class is not equal to the length of the specified value. Assemble and link the exit into a library accessible to Xpediter.**LIBRARY_MANAGEMENT_SYSTEM_EXIT****Default:** None**Description:** Specify an exit routine that will interface retrieval of specific JCLs from the appropriate source management and control product (such as ISPW, Librarian, Panvalet, Endeavor, etc.). Refer to sample CLIST XPCLMS.**Execution Exit Routines Keywords**

The following are the Execution Exit Routines keywords used to specify any special procedures that must be executed at your site for every test session. These exits apply to Debug Sessions (sometimes referred to as Execution Test Sessions). They are optional and may be used if a site needs to have special handling before or after a debug session.

AFTER_STD_OR_DLG_TEST_SESSION_EXIT
BEFORE_STD_OR_DLG_TEST_SESSION_EXIT
AFTER_IMS_TEST_SESSION_EXIT
BEFORE_IMS_TEST_SESSION_EXIT
AFTER_BTS_TEST_SESSION_EXIT
BEFORE_BTS_TEST_SESSION_EXIT
AFTER_HOGAN_TEST_SESSION_EXIT
BEFORE_HOGAN_TEST_SESSION_EXIT
BEFORE_MPP_TEST_SESSION_EXIT
AFTER_MPP_TEST_SESSION_EXIT
BEFORE_BMP_IFP_TEST_SESSION_EXIT
AFTER_BMP_IFP_TEST_SESSION_EXIT

Default: None**Test Session Load Libraries Keywords**

The following are the Test Session Load Libraries keywords used to specify the common application load libraries for all users needed during a test session.

At a minimum during a debug session, a user must list the dataset name of the library containing the program to be tested. If you require any pre-LE run-time libraries (for COBOL or PL/I), specify their

dataset name(s). If you require the LE (Language Environment) run-time library, specify its dataset name. This is usually CEE.SCEERUN, but can vary based on site standards.



Even if your application programs would normally find any required Language dependent run-time subroutines (including LE - Language Environment), without being included in the JOBLIB/STEPLIB of the batch JCL (usually from the LINKLIST or (E)LPA), the libraries must still be specified as part of the test session setup. This will ensure that Xpediter's Task Library will be properly configured. If you do not require a run-time library (as when testing non-LE Assembler programs), do not list one.

TEST_SESSION_LOAD_LIBRARY_1
TEST_SESSION_LOAD_LIBRARY_2
TEST_SESSION_LOAD_LIBRARY_3
TEST_SESSION_LOAD_LIBRARY_4
TEST_SESSION_LOAD_LIBRARY_5
TEST_SESSION_LOAD_LIBRARY_6
TEST_SESSION_LOAD_LIBRARY_7
TEST_SESSION_LOAD_LIBRARY_8

Default: None

Description: Specify all the load libraries that are normally allocated in user STEPLIBs at run time, as well as those allocated in SYSLIBs at link-edit time.

If you have both OS/VS COBOL and VS COBOL II programs to be tested, specify only the name of the VS COBOL II subroutine library. The VS COBOL II subroutine library fully supports the execution of any OS/VS COBOL program eligible for testing with Xpediter/TSO.



If you have COBOL/370 or newer, PL/I for MVS and VM or newer, or any version of the IBM C Language, use the LE run-time library in place of any other run-time libraries.

In addition to the run-time library/libraries, add any common subroutine libraries (systems or applications) used at your site.

DDIO Files Keywords

The following are the DDIO Files keywords used to specify the name of your site's common DDIO libraries. Xpediter uses the DDIO datasets to store the information necessary to reference the various DDIO elements (data names, paragraph names, etc.) of your program during testing.

The DDIO file is a VSAM or sequential file. Concatenation of up to three libraries is permitted. Refer to the *Compuware Shared Services User/Reference Guide* for a complete discussion about the DDIO files.

TEST_SESSION_DDIO_FILE_1
TEST_SESSION_DDIO_FILE_2
TEST_SESSION_DDIO_FILE_3

Default: For **TEST_SESSION_DDIO_FILE_1=**
 'HLVLNODE.XPEDITER.DDIO'

Required: yes

Description: If users share any site-wide DDIO datasets, the dataset names can be specified here.

If no site-wide DDIO is available, you must specify **TEST_SESSION_DDIO_FILE_1=** for each user, project, or group is responsible for creating and specifying their own DDIO datasets.

Examples of DDIO Files Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
TEST_SESSION_DDIO_FILE_1='PROD.DDIO'
TEST_SESSION_DDIO_FILE_2=$USER$.MY.DDIO
```

Site/Test Script Libraries Keywords

A script library is a partitioned dataset with a logical record length equal to 80 bytes. The following are the Site/Test Script Libraries Specification keywords used to specify the dsnames of these libraries that contain sets of Xpediter command streams that can be copied into a test session by the INCLUDE command, as well as the members specified for an Initial, Post, or Abend Script. These libraries are allocated to the ddname XINCLUDE.

The order of allocation in the XINCLUDE concatenation is as follows:

1. The site-wide script library (if specified below)
2. Any libraries specified by the user on the Setup panel
3. Any test script libraries specified here (if the user doesn't remove them from the Setup panel).

TEST_SESSION_INCLUDE_LIBRARY_1
TEST_SESSION_INCLUDE_LIBRARY_2
TEST_SESSION_INCLUDE_LIBRARY_3

Default: None

Description: Specify the dsnames of your test script libraries. Any DSN specified here will become part of the user's default Setup profile.

SITE_WIDE_SCRIPT_LIBRARY

Default: None

Description: Any DSN specified here will be concatenated first in the XINCLUDE allocation. This file will not appear on the user's Setup keywords for possible removal from the concatenation. Although this library can contain global common scripts, its main intent is to hold the site-wide initial script member @@SITE@@, which will always be included at the beginning of a test session. Any initial script specified by the user will execute after the @@SITE@@ member. This can be used by the support staff to apply changes to the environments of the entire user community without requiring individuals to modify Setup profiles.

If the above keywords are omitted, each user, project, or group is responsible for supplying their own DSN if they should use Initial or Post scripts or use the INCLUDE command.

DSNLOAD Libraries Keywords

Establishing the connection to DB2 requires a DB2 system ID and access to the DB2 programs that reside in the DSNLOAD dataset that was created when DB2 was installed. The following are the DSNLOAD Libraries keywords used to define required or additional DB2 system IDs and DSNLOAD dsnames for access to DB2.

Access to multiple DB2 systems and multiple DSNLOAD datasets is controlled by these specifications. The DSNLOAD Libraries keywords are unnecessary if your site has defined a default DB2 system ID and the DB2 dataset is permanently allocated when Xpediter/TSO is activated.

DSNLOAD_DB2_SYSTEM_NAME_1
DSNLOAD_DSNAME_1
DSNLOAD_DB2_SYSTEM_NAME_2
DSNLOAD_DSNAME_2
DSNLOAD_DB2_SYSTEM_NAME_3
DSNLOAD_DSNAME_3
DSNLOAD_DB2_SYSTEM_NAME_4
DSNLOAD_DSNAME_4
DSNLOAD_DB2_SYSTEM_NAME_5
DSNLOAD_DSNAME_5
DSNLOAD_DB2_SYSTEM_NAME_6
DSNLOAD_DSNAME_6
DSNLOAD_DB2_SYSTEM_NAME_7
DSNLOAD_DSNAME_7
DSNLOAD_DB2_SYSTEM_NAME_8
DSNLOAD_DSNAME_8

Default: For **DSNLOAD_DB2_SYSTEM_NAME_1=**
 DSN
 For **DSNLOAD_DSNAME_1=**
 'DSNxxx.SDSNLOAD'
 For others, none

Description: Specify pairs of keywords, each representing a DB2 system ID and its associated DSNLOAD dsname that can be used at your site to connect to a DB2 system. For each System NAME, one or more DSNLOAD dsnames can be specified.

It is only necessary to specify the required or additional DSNLOAD dsnames for access to DB2. The DB2 system name can be defaulted, and the DSNLOAD dsname(s) can be placed in the installation LPA or LINKLIST.

Examples of DSNLOAD Libraries Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```

DSNLOAD_DB2_SYSTEM_NAME_1=DB01
DSNLOAD_DB2_SYSTEM_NAME_2=DB01
DSNLOAD_DSNAME_1='DSNB10.DB01.SDSNEXIT'
DSNLOAD_DSNAME_2='DSNB10.SDSNLOAD'
  
```

DBRMLIST Keywords

The following are the DBRMLIST keywords used to specify the File-AID *for DB2* DBRM library used during the bind process that binds application programs with File-AID *for DB2*. The DBRMLIST keywords can also be used to specify the name of your site's standard DBRM libraries.

FILE_AID_FOR_DB2_DBRM_LIBRARY

Default: 'HLVLNODE.FADB2.DBRMLIB'

Description: Specify the name of the File-AID *for DB2* DBRM library. This library is used when you specify that the File-AID *for DB2* DBRMs be used on the Bind Plan Facility keywords. If you do not have or plan on using File-AID *for DB2*, specify:
FILE_AID_FOR_DB2_DBRM_LIBRARY=

USER_DBRM_LIBRARY_1
USER_DBRM_LIBRARY_2
USER_DBRM_LIBRARY_3
USER_DBRM_LIBRARY_4
USER_DBRM_LIBRARY_5
USER_DBRM_LIBRARY_6
USER_DBRM_LIBRARY_7
USER_DBRM_LIBRARY_8

Default: None

Description: Specify your site's standard DBRM libraries. These libraries are searched last during the bind process. If none are specified, individual users are responsible for providing their own DBRM dataset(s).

The DBRM library is a partitioned dataset with RECFM=FB and LRECL=80. Concatenation of up to 8 libraries is permitted.

Example of DBRMLIST Keyword

The following line is an example of a *KEYWORD=value* specification that could be used within a CMSC PARMLIB member:

```
FILE_AID_FOR_DB2_DBRM_LIBRARY='SYS2.CW.FK.R1001.SXVJDBRM'
```

PANEXEC Libraries Keywords

The following are the PANEXEC Libraries keywords used to specify the library names and control card file datasets necessary to debug your application programs using PANEXEC.



These keywords are applicable only if the installer specified YES as the value of the PANEXEC_LOAD_MODULE_SUPPORT keyword.

PANEXEC_PANESRL_LOAD_LIBRARY_DSNAME_1
PANEXEC_PANESRL_LOAD_LIBRARY_DSNAME_2
PANEXEC_PANESRL_LOAD_LIBRARY_DSNAME_3
PANEXEC_PANESRL_LOAD_LIBRARY_DSNAME_4

Default: None

Description: Specify the dataset name normally allocated to ddname PANESRL.

PANEXEC_CONTROL_CARD_FILE_DDNAME

Default: PECNTL

Description: Specify the default ddname associated with your PANEXEC control cards.

PANEXEC_CONTROL_CARD_FILE_DSNAME_1
PANEXEC_CONTROL_CARD_FILE_DSNAME_2

PANEXEC_CONTROL_CARD_FILE_DSNAME_3 PANEXEC_CONTROL_CARD_FILE_DSNAME_4

Default: None

Description: If you normally direct your PECNTL (or site default PANEXEC control cards ddname) to a dataset rather than to instream data, specify that dataset name.

Installation Keywords for IMS/DB Support

PSB_DBD Libraries Keywords

The following are the PSB_DBD Libraries keywords used to list your IMS PSB and DBD library datasets. The PSBLIB contains your program specification blocks (PSBs), and the DBDLIB contains your database definitions (DBDs).

PSB_DBD_LIBRARY_1
PSB_DBD_LIBRARY_2
PSB_DBD_LIBRARY_3
PSB_DBD_LIBRARY_4
PSB_DBD_LIBRARY_5
PSB_DBD_LIBRARY_6
PSB_DBD_LIBRARY_7
PSB_DBD_LIBRARY_8
PSB_DBD_LIBRARY_9
PSB_DBD_LIBRARY_10
PSB_DBD_LIBRARY_11
PSB_DBD_LIBRARY_12

Default: For **PSB_DBD_LIBRARY_1**=
'IMSVS.PSBLIB'
For **PSB_DBD_LIBRARY_2**=
'IMSVS.DBDLIB'

Description: Specify the dsnames of your PSB and DBD libraries. Both are required with IMS/DB or IMS/DC systems. They are used when a DL/I batch region is being executed.

Examples of PSB_DBD Libraries Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
PSB_DBD_LIBRARY_1='IMS111.PSBLIB'  
PSB_DBD_LIBRARY_2='IMS111.DBDLIB'
```

ACB Libraries Keywords

The following are the ACB Libraries keywords used to specify your ACB library dataset names. When an IMS application program is executed, IMS must combine the information in the DBD and PSB before the program can be executed. So that IMS does not have to do this each time a program runs, your site can merge the DBD and PSB information in the ACBLIB dataset.

ACB_LIBRARY_1
ACB_LIBRARY_2

ACB_LIBRARY_3
ACB_LIBRARY_4
ACB_LIBRARY_5
ACB_LIBRARY_6
ACB_LIBRARY_7
ACB_LIBRARY_8

Default: For ACB_LIBRARY_1=
 'XT.FLGSGJ1.X70.IMS61.ACBLIB'

Description: Specify the ACB libraries that contain the merged DBD and PSB information.

The use of the ACBLIB dataset is optional for batch IMS programs, but is **required** for MPP and BMP programs. Xpediter/IMS uses the information contained in the ACB library to establish an MPR with IMS. These specifications should reflect the ACB libraries allocated to the desired IMS control region. **You cannot override the IMS control region ACB library with these specifications.**

Example of ACB Libraries Keyword

The following line is an example of a *KEYWORD=value* specification that could be used within a CMSC PARMLIB member:

```
ACB_LIBRARY_1='IMS111.ACBLIB'
```

IMS Preload List Keyword

The IMS Preload List keyword is used to specify the PROCLIB dataset name.



Both IMS and BTS use this ddname to point to the dataset where preload specifications are stored. Specify the name of the dataset containing preload lists, not the name of the dataset where Xpediter or IMS PROCs are stored, unless the two are identical.

IMS_PRELOAD_LIST_PROCLIB_DSNAME

Default: 'IMSVS.PROCLIB'

Description: Specify the dsname of your PROCLIB dataset.

Example of IMS Preload List Keyword

The following line is an example of a *KEYWORD=value* specification that could be used within a CMSC PARMLIB member:

```
IMS_PRELOAD_LIST_PROCLIB_DSNAME=
```

VSAM Buffer Pool Keyword

The VSAM Buffer Pool keyword is used to specify the ddname of the DFSVSAMP dataset that contains the buffer length and the number of buffers to be used for a program. If not specified, IMS uses a default buffer size.

If VSAM databases are used, the DFSVSAMP dataset **must** be allocated. Since BTS can attach IMS more than once, define the DFSVSAMP dataset so it can be reread. The DFSVSAMP file can be used for ISAM/VSAM databases.

IMS_VSAM_BUFFER_POOL_SPECIFICATION_DATA_SET

Default: None

Description: Specify the dsname of the DFSVSAMP dataset. If this dsname is not required, no specification is necessary. If the DFSVSAMP dataset is a PDS, specify its member name.

IEFRDER Dataset (Logging/Recovery) Keywords

The following are the IEFRDER Dataset keywords used to allocate a dataset to the IEFRDER ddname. Supplying an IEFRDER dataset causes the IMS logging facility to be invoked.

IMS_IEFRDER_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: DUMMY

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated.

Most sites allocate this ddname to DUMMY for testing rather than leaving it blank. This conforms to common batch and testing message region usage.

IMS_IEFRDER_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified in the DSNAME keyword, it is not necessary to supply a value for the DISP keyword.

IMS_IEFRDER_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IEFRDER_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

IMS_IEFRDER_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

IMS_IEFRDER_ALLOCATION_DATA_CLASS

Default: Name

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IEFRDER_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a dummy or SYSOUT file, enter the block size.

IMS_IEFRDER_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: This indicates the primary space allocation.

IMS_IEFRDER_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: This indicates the storage space allocated after the primary space is exhausted.

IMS_IEFRDER_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify one of the valid values.

IMS_IEFRDER_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: If you specified the RECFM as U (for undefined-length records), you can omit this specification. Otherwise, specify a valid value.

IMS_IEFRDER_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Specify a valid value.

IMS_IEFRDER_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

IMS_IEFRDER_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

SYSPUNCH Dataset Keywords

The following are the SYSPUNCH Dataset keywords used to allocate a dataset to the SYSPUNCH ddname. A SYSPUNCH dataset can contain punched card or compiler output and is allocated with a RECFM=FB and LRECL=80.

IMS_SYSPUNCH_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: DUMMY

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated.

Most sites allocate this ddname to DUMMY for testing rather than leaving it blank. This conforms to common batch and testing message region usage.

IMS_SYSPUNCH_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

IMS_SYSPUNCH_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_SYSPUNCH_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

IMS_SYSPUNCH_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

IMS_SYSPUNCH_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_SYSPUNCH_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a dummy or SYSOUT file, specify the block size.

IMS_SYSPUNCH_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

IMS_SYSPUNCH_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

IMS_SYSPUNCH_ALLOCATION_RECFCM

Default: None

Description: Specify a fixed-block format—FB.

IMS_SYSPUNCH_ALLOCATION_LRECL

Default: None

Description: Specify a value of 80.

IMS_SYSPUNCH_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Specify a valid value.

IMS_SYSPUNCH_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

IMS_SYSPUNCH_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

IMSMON Dataset Keywords

The following are the IMSMON Dataset keywords used to allocate the DB and DC monitor datasets to the IMSMON ddname. IMS run-time activities, especially database calls, are recorded in the IMS Monitor file. This dataset can be used as an input for report programs that list, summarize, or analyze IMS activities.

IMS_IMSMON_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: DUMMY

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not be allocated. Consult a batch IMS PROC at your site if you are not sure which dsname to specify. Most sites allocate this ddname to DUMMY for debugging.

IMS_IMSMON_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

IMS_IMSMON_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IMSMON_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

IMS_IMSMON_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

IMS_IMSMON_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IMSMON_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a dummy or SYSOUT file, specify the block size.

IMS_IMSMON_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

IMS_IMSMON_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

IMS_IMSMON_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify a valid value.

IMS_IMSMON_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: If you specified the RECFM as U (for undefined-length records), do not specify this keyword. Otherwise, specify a valid value.

IMS_IMSMON_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Specify a valid value.

IMS_IMSMON_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

D (Delete) Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.

K (Keep) Specify K if you always want the old dataset to be kept.

- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

IMS_IMSMON_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

IMS Parameter Lists Keywords

The following are the IMS Parameter Lists keywords used to specify the valid program types and their corresponding parameter lists.

IMS_PARAMETER_LIST_TYPE_1
 IMS_PARAMETER_LIST_1
 IMS_PARAMETER_LIST_TYPE_2
 IMS_PARAMETER_LIST_2
 IMS_PARAMETER_LIST_TYPE_3
 IMS_PARAMETER_LIST_3
 IMS_PARAMETER_LIST_TYPE_4
 IMS_PARAMETER_LIST_4
 IMS_PARAMETER_LIST_TYPE_5
 IMS_PARAMETER_LIST_5
 IMS_PARAMETER_LIST_TYPE_6
 IMS_PARAMETER_LIST_6
 IMS_PARAMETER_LIST_TYPE_7
 IMS_PARAMETER_LIST_7

IMS_PARAMETER_LIST_TYPE_8 IMS_PARAMETER_LIST_8

Default: For IMS_PARAMETER_LIST_TYPE_1=
DLI
For IMS_PARAMETER_LIST_1=
'DLI,MODULE,PSB,8,0000,,0,,N,0,T,,,,,N'
For IMS_PARAMETER_LIST_TYPE_2=
DBB
For IMS_PARAMETER_LIST_2=
'DBB,MODULE,PSB,8,0000,,0,,N,0,T,,,,,N'
For IMS_PARAMETER_LIST_TYPE_3=
BMP
For IMS_PARAMETER_LIST_3=
'BMP,MODULE,PSB,,,C00000'

Description: Specify pairs of keywords each representing an IMS program type and its corresponding parameter list. If your site supports DL/I, DBB, and BMP testing, specify a separate pair for each.

It is unlikely that the supplied default parameter string will function correctly at your site. Be sure to verify with both your IMS technical and your IMS application support groups.



If you are using your own parameter list, replace your actual application module and PSB names by the keywords MODULE and PSB, respectively.

If you are running BMP applications under the Xpediter IMS/DB (option 2.3) and BTS (option 2.4) environments, Xpediter/TSO forces on the PARDLI=1 parameter. This parameter disables parallel DL/I processing.

Examples of IMS Parameter Lists Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
IMS_PARAMETER_LIST_TYPE_2=BMP
IMS_PARAMETER_LIST_TYPE_3=DBB
IMS_PARAMETER_LIST_1=DLI,MODULE,PSB,8,0000,,0,,N,0,T,,N
IMS_PARAMETER_LIST_2=BMP,MODULE,PSB,,,N00000
IMS_PARAMETER_LIST_3=DBB,MODULE,PSB,8,0000,,0,,N,0,T,,N
```

DFSRESLB Libraries Keywords

The following are the DFSRESLB Libraries keywords used to allocate the dataset names of the IMS authorized load libraries to the DFSRESLB ddname. The DFSRESLB dataset contains all the system load modules that make up the IMS software, including both DL/I and the data communications component.

IMS_DFSRESLB_AUTH_LOADLIB_1
IMS_DFSRESLB_AUTH_LOADLIB_2
IMS_DFSRESLB_AUTH_LOADLIB_3
IMS_DFSRESLB_AUTH_LOADLIB_4
IMS_DFSRESLB_AUTH_LOADLIB_5
IMS_DFSRESLB_AUTH_LOADLIB_6

Default: For IMS_DFSRESLB_AUTH_LOADLIB_1=
'IMSVS.RESLIB'

Description: Specify the IMS authorized load libraries to the DFSRESLB ddname. Consult a batch IMS PROC at your site if you are not sure which dsnames to specify.

Examples of DFSRESLB Libraries Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
IMS_DFSRESLB_AUTH_LOADLIB_1='IMS101A.CW01.SDFSRESL'
IMS_DFSRESLB_AUTH_LOADLIB_2='IMS101A.SDFSRESL'
```

IMSERR Dataset Keywords

The following are the IMSERR Dataset keywords used to allocate datasets to the IMSERR ddname. An IMSERR dataset contains the formatted dump of the IMS VS GSAM control blocks when an error occurs, or when a DUMP or SNAP call is issued to a GSAM PCB.

IMS_IMSERR_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: SYSOUT=*

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. If you specify a qualified dsname, it must be enclosed in quotes. If the dsname is specified without quotes, the user's prefix (or other dsname high-level qualifier) is prefixed. Consult a batch IMS PROC at your site if you are not sure which dsname to specify. Most sites allocate this ddname to DUMMY for debugging.

IMS_IMSERR_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

IMS_IMSERR_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IMSERR_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

IMS_IMSERR_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

IMS_IMSERR_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

IMS_IMSERR_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a dummy or SYSOUT file, specify the block size.

IMS_IMSERR_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

IMS_IMSERR_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

IMS_IMSERR_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: FBA

Description: Specify a valid value.

IMS_IMSERR_ALLOCATION_LRECL

Values: 0 to 32760

Default: 133

Description: If you specified the RECFM as U (for undefined-length records), you can omit this specification. Otherwise, specify a value from 0 to 32760.

IMS_IMSERR_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 133

Description: Specify a valid value.

IMS_IMSERR_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

IMS_IMSERR_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Installation Keywords for Xpediter/IMS (IMS/DC)

IMSID and PARM Lists Keywords

The following are the IMSID and PARM Lists keywords used to specify the default region ID for each user and the default parameter string used to invoke each type of region—MSG, BMP, or IFP.

IMS_DEFAULT_REGION_ID

Default: None

Description: The IMS Region ID keyword can be overridden to indicate a different IMS region. Compuware recommends using this keyword instead of the IMSID value in the IMS parameter list.

IMS_MPP_DEFAULT_PARAMETER_LIST

IMS_BMP_DEFAULT_PARAMETER_LIST

IMS_IFP_DEFAULT_PARAMETER_LIST

Default: For **IMS_MPP_DEFAULT_PARAMETER_LIST**=
'MSG,CL1CL2CL3CL4,N00000000,,,,,NBA,OBA'
For **IMS_BMP_DEFAULT_PARAMETER_LIST**=
'BMP,MODULE,PSB,,,,N00000,,,,,NBA,OBA'
For **IMS_IFP_DEFAULT_PARAMETER_LIST**=
'IFP,MODULE,PSB,NBA,OBA,N,1,000,,0'

Description: For each type supported at your site, specify the corresponding parameter list.



It is unlikely that the supplied default parameter string will function correctly at your site. Be sure to verify with both your IMS technical and your IMS application support groups.

The characters MSG, BMP or IFP must be the first entry in their respective parameter lists. In addition, each parameter list contains the following literals that should not be changed or modified:

- CL1CL2CL3CL4 is a placeholder for class codes. The actual value is substituted at execution time.
- NBA and OBA are place holders for Xpediter Fast Path database buffer allocations. The actual values are substituted at execution time from the MPP and BMP/IFP test keywords.
- In the BMP and IFP parameter strings, MODULE and PSB are place holders for values either specified on the BMP/IFP test keywords or retrieved from the IMS program/transaction tables.

IMS_DEFAULT_NORMAL_BUFFER_ALLOCATION

Default: None

Description: Specify the Normal Buffer Allocation (NBA), up to 2 digits.

IMS_DEFAULT_OVERFLOW_BUFFER_ALLOCATION

Default: None

Description: Specify the Overflow Buffer Allocation (OBA), up to 2 digits.

Examples of IMSID and PARM Lists Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```

IMS_MPP_DEFAULT_PARAMETER_LIST=MSG,CL1CL2CL3CL4,N00000000,,,,,NBA,OBA,,+
IVP
IMS_BMP_DEFAULT_PARAMETER_LIST=BMP,MODULE,PSB,,,N00000,,,,,NBA,OBA,,IV+
P
IMS_IFP_DEFAULT_PARAMETER_LIST=IFP,MODULE,PSB,NBA,OBA,N,1,000,,0,,,,,IV+
P
IMS_DEFAULT_NORMAL_BUFFER_ALLOCATION=2
IMS_DEFAULT_OVERFLOW_BUFFER_ALLOCATION=3

```

Maximum Users and Class Codes Keywords

The following are the Maximum Users and Class Codes keywords used to specify the maximum number of concurrent test sessions to be allowed and the IMS class codes reserved for Xpediter/IMS. If IMS Shared Queue support is to be implemented, and the shared queue spans multiple LPARs, specify the configuration information for each HCI on a participating LPAR. Up to ten HCI configurations may be specified.

IMS_MPP_MAXIMUM_NUMBER_OF_USERS
IMS_BMP_MAXIMUM_NUMBER_OF_USERS
IMS_IFP_MAXIMUM_NUMBER_OF_USERS
IMS_TOTAL_MAXIMUM_NUMBER_OF_USERS

Values: 000 to 255
MPP values are 00 to 50

Default: None

Description: Specify the maximum number of concurrent test sessions allowed for each region type—MPP, BMP, and IFP—and the maximum number of total concurrent test sessions allowed. Note that the maximum number of concurrent test sessions is 255.

For IMS_MPP_MAXIMUM_NUMBER_OF_USERS, do not specify a number greater than the number of class codes reserved. You can, however, reserve a certain number of class codes and, depending on the load on the system, dynamically limit the number of MPP concurrent users through this specification without having to reduce the number of class codes reserved.

XPEDITER_IMS_CLASS_CODE_1
XPEDITER_IMS_CLASS_CODE_2
XPEDITER_IMS_CLASS_CODE_3
.
.
.
XPEDITER_IMS_CLASS_CODE_48
XPEDITER_IMS_CLASS_CODE_49
XPEDITER_IMS_CLASS_CODE_50

Values: 001 to 999

Default: None

Description: Specify the class code numbers you have reserved for Xpediter/IMS. These class codes were reserved prior to the installation of Xpediter/IMS. They are to be used exclusively for testing MPPs under Xpediter/IMS.

IMS_CROSS_LPAR_LPAR_ID_1
IMS_CROSS_LPAR_PORT_1

```

IMS_CROSS_LPAR_IP_ADDRESS_1
IMS_CROSS_LPAR_TCPNAME_1
IMS_CROSS_LPAR_LPAR_ID_2
IMS_CROSS_LPAR_PORT_2
IMS_CROSS_LPAR_IP_ADDRESS_2
IMS_CROSS_LPAR_TCPNAME_2
IMS_CROSS_LPAR_LPAR_ID_3
IMS_CROSS_LPAR_PORT_3
IMS_CROSS_LPAR_IP_ADDRESS_3
IMS_CROSS_LPAR_TCPNAME_3
.
.
.
IMS_CROSS_LPAR_LPAR_ID_8
IMS_CROSS_LPAR_PORT_8
IMS_CROSS_LPAR_IP_ADDRESS_8
IMS_CROSS_LPAR_TCPNAME_8
IMS_CROSS_LPAR_LPAR_ID_9
IMS_CROSS_LPAR_PORT_9
IMS_CROSS_LPAR_IP_ADDRESS_9
IMS_CROSS_LPAR_TCPNAME_9
IMS_CROSS_LPAR_LPAR_ID_10
IMS_CROSS_LPAR_PORT_10
IMS_CROSS_LPAR_IP_ADDRESS_10
IMS_CROSS_LPAR_TCPNAME_10

```

Default: None

Description: Xpediter/IMS supports up to ten IMS regions in an IMSplex. This support requires installation and customization of Compuware's Host Communication Interface (HCI). HCI is a part of Compuware's Enterprise Common Components (ECC) and can be found on that media. After setting up HCI on the LPARs that will participate, specify the LPAR ID, HCI port number, and the Host Name or IP address associated with each HCI. If you are not using the default TCPIP name for a connection, specify the TCPNAME. Otherwise, the TCPNAME keyword specification is unnecessary.

For example, if you had two LPARs participating in an IMS cross_LPAR shared queue environment, and the second required a TCPNAME, your entries might resemble the following:

```

IMS_CROSS_LPAR_LPAR_ID_1=LP01
IMS_CROSS_LPAR_PORT_1=11111
IMS_CROSS_LPAR_IP_ADDRESS_1=LP01.YOURCOMPANY.COM
IMS_CROSS_LPAR_LPAR_ID_2=LP02
IMS_CROSS_LPAR_PORT_2=22222
IMS_CROSS_LPAR_IP_ADDRESS_2=LP02.YOURCOMPANY.COM

```



If Xpediter/Eclipse will be used as an interface into Xpediter/IMS, this same information is must be specified in the Compuware Shared Profile Facility. Refer to "Task 6.1 Configure the CSS Shared Profile Facility (CSPF) Dataset" in the *Xpediter/TSO and Xpediter/IMS Installation and Configuration Guide*.

Installation Keywords for BTS Support

MFS Libraries Keywords

The following are the Message Format Services (MFS) Libraries keywords used to specify your FORMAT library dataset names. The MFS helps to format messages that will be transmitted to and from display screens. These message definitions are stored in the FORMAT library.

If the application to be tested does not use MFS enhancements, you do not need to specify these keywords.

BTS_MFS_LIBRARY_1
BTS_MFS_LIBRARY_2
BTS_MFS_LIBRARY_3
BTS_MFS_LIBRARY_4
BTS_MFS_LIBRARY_5
BTS_MFS_LIBRARY_6
BTS_MFS_LIBRARY_7
BTS_MFS_LIBRARY_8
BTS_MFS_LIBRARY_9
BTS_MFS_LIBRARY_10
BTS_MFS_LIBRARY_11
BTS_MFS_LIBRARY_12

Default: For **BTS_MFS_LIBRARY_1=**
 'IMSVS.TFORMAT'
 For **BTS_MFS_LIBRARY_2=**
 'IMSVS.FORMAT'

Description: Specify the dsname of your FORMAT libraries.

Examples of MFS Libraries Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
BTS_MFS_LIBRARY_1='IMS111A.CW01.TFORMAT'  

BTS_MFS_LIBRARY_2='IMS111A.CW01.FORMAT'
```

BTSOUT Dataset Keywords

The following are the BTSOUT Dataset keywords used to allocate a sequential dataset to the BTSOUT ddname. The BTS input and output screen images and output messages are written to this BTS output listing. You can retain a copy of the BTSOUT dataset or, if it was allocated with SYSOUT=A, you can print a hard copy.

BTS_BTSOUT_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: BTSOUT.DATA

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. If you specify a qualified dsname, it must be enclosed in quotes. If the dsname is specified without quotes, the user's prefix (or other dsname high-level qualifier) is prefixed. Consult a batch BTS PROC at your site if you are not sure which dsname to specify.

BTS_BTSOUT_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: NEW

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_BTSOUT_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_BTSOUT_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit field if your site requires it.

BTS_BTSOUT_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

BTS_BTSOUT_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_BTSOUT_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_BTSOUT_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the primary space allocation.

BTS_BTSOUT_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

BTS_BTSOUT_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: FBA

Description: Specify a valid value.

BTS_BTSOUT_ALLOCATION_LRECL

Values: 0 to 32760

Default: 133

Description: If you specified the RECFM as U (for undefined-length records), you can omit this specification. Otherwise, specify a value from 0 to 32760.

BTS_BTSOUT_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 6118

Description: Specify a valid value.

BTS_BTSOUT_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

D (Delete) Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.

K (Keep) Specify K if you always want the old dataset to be kept.

- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

BTS_BTSOUT_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: ? (Prompt)

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

BTSPUNCH Dataset Keywords

The following are the BTSPUNCH Dataset keywords used to allocate a sequential dataset to the BTSPUNCH ddname. If executing as a TSO task, BTS attempts to open a sequential output dataset named BTSPUNCH. This dataset is used to create regression test input data. It contains everything that BTS receives as input.

BTS_BTSPUNCH_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: DUMMY

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch BTS PROC at your site if you are not sure which dsname to specify.

BTS_BTSPUNCH_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified in the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_BTSPUNCH_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_BTSPUNCH_ALLOCATION_UNIT**Default:** None**Description:** Specify a value for the Unit keyword if your site requires it.**BTS_BTSPUNCH_ALLOCATION_VOLUME****Default:** None**Description:** Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.**BTS_BTSPUNCH_ALLOCATION_DATA_CLASS****Default:** None**Description:** Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.**BTS_BTSPUNCH_ALLOCATION_SPACE_UNITS****Values:** TRK|CYL|block size**Default:** None**Description:** Specify TRK, CYL, or a block size (1-32760).

If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_BTSPUNCH_ALLOCATION_PRIMARY**Values:** 0 to 32760**Default:** None**Description:** Specify a valid value. This indicates the primary space allocation.**BTS_BTSPUNCH_ALLOCATION_SECONDARY****Values:** 0 to 32760**Default:** None**Description:** Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.**BTS_BTSPUNCH_ALLOCATION_RECFCM****Values:** FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U**Default:** None**Description:** Specify a valid value.

BTS_BTSPUNCH_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: If you specified the RECFM as U (for undefined-length records), you can omit this specification. Otherwise, specify a value from 0 to 32760.

BTS_BTSPUNCH_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Specify a valid value.

BTS_BTSPUNCH_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

D (Delete) Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.

K (Keep) Specify K if you always want the old dataset to be kept.

? (Prompt) Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

BTS_BTSPUNCH_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

D (Delete) Specify D if you want the new file to be automatically deleted after every test session.

K (Keep) Specify K if you always want the new dataset to be kept.

? (Prompt) Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

BTSDEBUG Dataset Keywords

The following are the BTSDEBUG Dataset keywords used to allocate a dataset to the BTSDEBUG ddname. The BTSDEBUG dataset contains SNAP dumps of the Trace Table and various control blocks taken at critical points during BTS execution.



For performance reasons, IBM strongly recommends that BTSDEBUG not be allocated. This means it should not be allocated DUMMY.

BTS_BTSDEBUG_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: Spaces

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch BTS PROC at your site if you are not sure which dsname to specify. The default of spaces implies no allocation.

BTS_BTSDEBUG_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAMES keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_BTSDEBUG_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_BTSDEBUG_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

BTS_BTSDEBUG_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

BTS_BTSDEBUG_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_BTSDEBUG_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_BTSDEBUG_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

BTS_BTSDEBUG_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

BTS_BTSDEBUG_ALLOCATION_RECFCM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify a valid value.

BTS_BTSDEBUG_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: If you specified RECFM as U for undefined-length records, you can omit this specification. Otherwise, specify a value from 0 to 32760.

BTS_BTSDEBUG_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Specify a valid value.

BTS_BTSDEBUG_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

BTS_BTSDEBUG_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition screen each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

QIOPCB Dataset Keywords

The following are the QIOPCB Dataset keywords used to allocate a dataset to the QIOPCB ddname. The QIOPCB dataset is used for Insert calls against IOPCBs.

Most sites allocate this ddname to TEMP for testing. Since this is a new dataset, the Data Control Block (DCB) attributes must be specified. The BLKSIZE and LRECL should match the largest used by any application.

BTS_QIOPCB_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: TEMP

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch BTS PROC at your site if you are not sure which dsname to specify.

Most sites allocate this ddname to TEMP for testing.

BTS_QIOPCB_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_QIOPCB_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QIOPCB_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

BTS_QIOPCB_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

BTS_QIOPCB_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QIOPCB_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_QIOPCB_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the primary space allocation.

BTS_QIOPCB_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

BTS_QIOPCB_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify a valid value.

BTS_QIOPCB_ALLOCATION_LRECL

Values: 0 to 32760

Default: 2048

Description: The default for LRECL provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a logical record length. Specify a valid value.

BTS_QIOPCB_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 6148

Description: The default for BLKSIZE provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a block size. Specify a valid value.

BTS_QIOPCB_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

BTS_QIOPCB_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Examples of QIOPCB Dataset Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
BTS_QIOPCB_ALLOCATION_RECFM=VBS
BTS_QIOPCB_ALLOCATION_LRECL=1024
BTS_QIOPCB_ALLOCATION_BLKSIZE=3072
BTS_QIOPCB_ALLOCATION_UNIT=VIO
```

QALTPCB Dataset Keywords

The following are the QALTPCB Dataset keywords used to allocate a dataset to the QALTPCB ddname. The QALTPCB dataset is used for Get-Unique or Insert calls against alternate PCBs.

Most sites allocate this ddname to TEMP for testing. Since this is a new dataset, the Data Control Block (DCB) attributes must be specified. The BLKSIZE and LRECL should match the largest used by any application.

BTS_QALTPCB_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: TEMP

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch BTS PROC at your site if you are not sure which dsname to specify.

Most sites allocate this ddname to TEMP for testing.

BTS_QALTPCB_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_QALTPCB_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QALTPCB_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

BTS_QALTPCB_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

BTS_QALTPCB_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QALTPCB_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_QALTPCB_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the primary space allocation.

BTS_QALTPCB_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

BTS_QALTPCB_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify a valid value.

BTS_QALTPCB_ALLOCATION_LRECL

Values: 0 to 32760

Default: 2048

Description: The default for LRECL provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a logical record length. Specify a valid value.

BTS_QALTPCB_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 6148

Description: The default for BLKSIZE provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a block size. Specify a valid value.

BTS_QALTPCB_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

BTS_QALTPCB_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Examples of QALTPCB Dataset Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
BTS_QALTPCB_ALLOCATION_RECFCM=VBS
BTS_QALTPCB_ALLOCATION_LRECL=1024
BTS_QALTPCB_ALLOCATION_BLKSIZE=3072
BTS_QALTPCB_ALLOCATION_UNIT=VIO
```

QALTRAN Dataset Keywords

The following are the QALTRAN Dataset keywords used to allocate a dataset to the QALTRAN ddname. The QALTRAN dataset is a work file for alternate PCB output for a 3270 display keywords or a 3270 printer.

BTS_QALTRAN_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: TEMP

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch BTS PROC at your site if you are not sure which dsname to specify.

BTS_QALTRAN_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

BTS_QALTRAN_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QALTRAN_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

BTS_QALTRAN_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

BTS_QALTRAN_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

BTS_QALTRAN_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

BTS_QALTRAN_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the primary space allocation.

BTS_QALTRAN_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 2

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

BTS_QALTRAN_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Specify a valid value.

BTS_QALTRAN_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: The default for LRECL provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a logical record length. Specify a valid value.

BTS_QALTRAN_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 1024

Description: The default for BLKSIZE provided by Compuware is rarely large enough for actual application databases and transactions. Therefore, carefully check your output (and application usage) before specifying a block size. Specify a valid value.

BTS_QALTRAN_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

Upon Deallocation

If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

BTS Parameter Lists Keywords

The following are the BTS Parameter Lists keywords used to specify the valid program types and their corresponding parameter lists.

BTS_PARAMETER_LIST_TYPE_1
BTS_PARAMETER_LIST_1
BTS_PARAMETER_LIST_TYPE_2
BTS_PARAMETER_LIST_2
BTS_PARAMETER_LIST_TYPE_3
BTS_PARAMETER_LIST_3
BTS_PARAMETER_LIST_TYPE_4
BTS_PARAMETER_LIST_4
BTS_PARAMETER_LIST_TYPE_5
BTS_PARAMETER_LIST_5
BTS_PARAMETER_LIST_TYPE_6
BTS_PARAMETER_LIST_6
BTS_PARAMETER_LIST_TYPE_7
BTS_PARAMETER_LIST_7

BTS_PARAMETER_LIST_TYPE_8 BTS_PARAMETER_LIST_8

Default: For `BTS_PARAMETER_LIST_TYPE_1=`
DLI
For `BTS_PARAMETER_LIST_1=`
'DLI,7,0000,,0,,N,O,T,,,N'
For `BTS_PARAMETER_LIST_TYPE_2=`
BMP
For `BTS_PARAMETER_LIST_2=`
'DBB,7,0000,,0,,N,O,T,,,N'
For `BTS_PARAMETER_LIST_TYPE_3=`
DBB
For `BTS_PARAMETER_LIST_3=`
'BMP,,,C00000'

Description: Specify pairs of keywords each representing a BTS Program Type and its corresponding Parameter List. If your site supports DL/I, DBB, and BMP testing, specify a separate pair for each.

It is unlikely that the supplied default parameter string will function correctly at your site. Be sure to verify with both your IMS technical and your IMS application support groups.

Examples of BTS Parameter Lists Keywords

The following lines are examples of `KEYWORD=value` specifications that could be used within a CMSC PARMLIB member:

```
BTS_PARAMETER_LIST_2=BMP,,,N00000,,,,,,,,,IVP
BTS_PARAMETER_LIST_3=DBB,7,0000,,0,,N,O,T,,,N
```

BTS Load Libraries Keywords

The following are the BTS Load Libraries keywords used to specify the dataset names of your BTS authorized load libraries. Do not specify dsnames for your application programs compiled to run under BTS. The BTS load libraries are system datasets that contain all the load modules that make up the BTS software.

BTS_PROGRAM_PRODUCT_LOADLIB_1
BTS_PROGRAM_PRODUCT_LOADLIB_2
BTS_PROGRAM_PRODUCT_LOADLIB_3
BTS_PROGRAM_PRODUCT_LOADLIB_4
BTS_PROGRAM_PRODUCT_LOADLIB_5
BTS_PROGRAM_PRODUCT_LOADLIB_6

Default: None

Description: Specify the dsnames of the BTS load libraries.



Even if your batch jobs run successfully without specifying the BTS load library (because it is in your LINKLIST or (E)LPA), Xpediter/TSO requires that it be specified through these keywords.

Example of BTS Load Libraries Keyword

The following line is an example of a `KEYWORD=value` specification that could be used within a CMSC PARMLIB member:

```
BTS_PROGRAM_PRODUCT_LOADLIB_1='SYS2.BTS.V2R1M0.BTSLIB'
```

Installation Keywords for Hogan Support

This section describes the various installation keywords available for Xpediter/TSO's Hogan support.

Hogan Monitor Dataset Keywords

Data related to PEM calls is recorded in the Hogan monitor file. Use the Hogan Monitor Dataset keywords that follow to specify the name of the monitor file that is used as an input to Hogan report programs that list, summarize, or analyze PEM activities.

If required, the file is usually allocated with: RECFM=VBS, LRECL=55, and BLKSIZE=59.

HOGAN_MONITOR_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: None

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch Hogan PROC at your site if you are not sure which dsname to specify.

HOGAN_MONITOR_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword. Datasets with a disposition of SHR can be concatenated.

HOGAN_MONITOR_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_MONITOR_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

HOGAN_MONITOR_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

HOGAN_MONITOR_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_MONITOR_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

HOGAN_MONITOR_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

HOGAN_MONITOR_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

HOGAN_MONITOR_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: If required, the Hogan Monitor file is usually allocated with a record format of VBS.

HOGAN_MONITOR_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: If you are using the Hogan Monitor file for debugging and expect an abend, Compuware recommends that you specify a logical record length of 55.

HOGAN_MONITOR_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: If you are using the Hogan Monitor file for debugging and expect an abend, Compuware recommends that you specify a block size of 59 to limit the loss of data in buffers. If an abend is not anticipated, a larger block size would be more efficient.

HOGAN_MONITOR_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

HOGAN_MONITOR_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword is used to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Hogan Print Dataset Keywords

The following are the Hogan Print Dataset keywords used to specify the dataset used by Hogan programs to store reports or other output from application programs.

If needed, the Hogan print file is usually allocated with: RECFM=FBA, LRECL=133, and BLKSIZE=6118.

HOGAN_PRINT_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: PRINT.LIST

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch Hogan PROC at your site if you are not sure which dsname to specify.

HOGAN_PRINT_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: NEW

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword.

HOGAN_PRINT_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_PRINT_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

HOGAN_PRINT_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

HOGAN_PRINT_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_PRINT_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

HOGAN_PRINT_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 10

Description: Specify a valid value. This indicates the primary space allocation.

HOGAN_PRINT_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 10

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

HOGAN_PRINT_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: FBA

Description: If needed, the Hogan print file is usually allocated with a record format of FBA.

HOGAN_PRINT_ALLOCATION_LRECL

Values: 0 to 32760

Default: 133

Description: If needed, the Hogan print file is usually allocated with a logical record length of 133.

HOGAN_PRINT_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 6118

Description: If needed, the Hogan print file is usually allocated with a block size of 6118.

HOGAN_PRINT_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

- D (Delete)** Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.
- K (Keep)** Specify K if you always want the old dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

Upon Deallocation

If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset. This is the default.

Hogan SNAPDD Dataset Keywords

The following are the Hogan SNAPDD Dataset keywords used to specify the SNAPDD dataset used by Hogan to store SNAP dumps. Unlike a SYSUDUMP, a SNAP dump is not usually a printout of the entire region. A SNAP dump provides a “snapshot” of the particular storage pool you want to see, as specified by your Hogan dump options.

The recommended Data Control Block (DCB) parameters for the SNAPDD dataset are: RECFM=FBA, LRECL=133, and BLKSIZE=6118.

HOGAN_SNAPDD_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: DUMMY

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch Hogan PROC at your site if you are not sure which dsname to specify.

HOGAN_SNAPDD_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: None

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNNAME keyword, it is not necessary to supply a value for the DISP keyword.

HOGAN_SNAPDD_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_SNAPDD_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

HOGAN_SNAPDD_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

HOGAN_SNAPDD_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_SNAPDD_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: None

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

HOGAN_SNAPDD_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the primary space allocation.

HOGAN_SNAPDD_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: None

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

HOGAN_SNAPDD_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: None

Description: Compuware recommends that you specify a record format of FBA.

HOGAN_SNAPDD_ALLOCATION_LRECL

Values: 0 to 32760

Default: None

Description: Compuware recommends that you specify a logical record length of 133.

HOGAN_SNAPDD_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: None

Description: Compuware recommends that you specify a block size of 6118.

HOGAN_SNAPDD_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

D (Delete) Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.

K (Keep) Specify K if you always want the old dataset to be kept.

- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

HOGAN_SNAPDD_ALLOCATION_AFTER_PROCESS

Values: D|K|?

Default: None

Description: If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Hogan SYSPRINT Dataset Keywords

The following are the Hogan SYSPRINT Dataset keywords used to specify the SYSPRINT file used by Hogan to store PEM formatted dumps. Before running a transaction, set up your Hogan dump options to print the contents of certain control blocks or areas in main memory when an abend occurs.

The recommended Data Control Block (DCB) parameters for the SYSPRINT dataset are: RECFM=FBA, LRECL=133, and BLKSIZE=6118.

HOGAN_SYSPRINT_ALLOCATION_DSNAME

Values: DUMMY|TEMP|TERM|SYSOUT|dsname|spaces

Default: SYSPRINT.LIST

Description: Specify a valid value or put spaces after the equal sign (=) to indicate that the dataset is not to be allocated. Consult a batch Hogan PROC at your site if you are not sure which dsname to specify.

HOGAN_SYSPRINT_ALLOCATION_DISP

Values: NEW|OLD|SHR|MOD

Default: NEW

Description: Specify a disposition of NEW for a new or temporary dataset. If DUMMY, TERM, or SYSOUT was specified for the DSNAME keyword, it is not necessary to supply a value for the DISP keyword.

HOGAN_SYSPRINT_ALLOCATION_STORAGE_CLASS

Default: None

Description: Specify the storage class name defined by your site that contains the dataset attributes related to the storage occupied by the dataset. This can be any name up to 8 characters. The Storage Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_SYSPRINT_ALLOCATION_UNIT

Default: None

Description: Specify a value for the Unit keyword if your site requires it.

HOGAN_SYSPRINT_ALLOCATION_VOLUME

Default: None

Description: Specify a value for the Volume keyword if your site requires it or if you are specifying an uncatalogued dataset.

HOGAN_SYSPRINT_ALLOCATION_DATA_CLASS

Default: None

Description: Specify the data class name defined by your site that contains the dataset attributes related to the allocation of the dataset. This specification can be any name up to 8 characters. The Data Class keyword is not applicable unless you use the Storage Management Subsystem.

HOGAN_SYSPRINT_ALLOCATION_SPACE_UNITS

Values: TRK|CYL|block size

Default: TRK

Description: Specify TRK, CYL, or a block size (1-32760).



If you are allocating a new or temporary file, you must specify values for all except the Volume and Unit keywords. If you are allocating a DUMMY or SYSOUT file, specify the block size.

HOGAN_SYSPRINT_ALLOCATION_PRIMARY

Values: 0 to 32760

Default: 10

Description: Specify a valid value. This indicates the primary space allocation.

HOGAN_SYSPRINT_ALLOCATION_SECONDARY

Values: 0 to 32760

Default: 0

Description: Specify a valid value. This indicates the storage space allocated after the primary space is exhausted.

HOGAN_SYSPRINT_ALLOCATION_RECFM

Values: FBM|FBA|FB|F|VBM|VBA|VBS|VS|VB|V|U

Default: FBA

Description: Compuware recommends that you specify a record format of FBA.

HOGAN_SYSPRINT_ALLOCATION_LRECL

Values: 0 to 32760

Default: 133

Description: Compuware recommends that you specify a logical record length of 133.

HOGAN_SYSPRINT_ALLOCATION_BLKSIZE

Values: 0 to 32760

Default: 6118

Description: Compuware recommends that you specify a block size of 6118.

HOGAN_SYSPRINT_ALLOCATION_BEFORE_PROCESS

Values: D|K|?

Default: D

Description: If you specify a new dataset, it is allocated during the setup operations (before your Xpediter/TSO source is displayed). To specify the disposition of an old dataset before you allocate the new one, specify one of the following valid process options:

D (Delete) Specify D if you want the old file, where one exists, to be automatically deleted before a new dataset is allocated.

K (Keep) Specify K if you always want the old dataset to be kept.

? (Prompt) Specify ? to display the Data Set Disposition keywords each time a dataset is to be allocated so that you can decide whether to delete or keep the old dataset.

Upon Deallocation

Default: ? (Prompt)

If you specify a new dataset, it is deallocated immediately after your test session ends. This keyword allows you to specify how the new dataset is to be deallocated. Valid process options are:

- D (Delete)** Specify D if you want the new file to be automatically deleted after every test session.
- K (Keep)** Specify K if you always want the new dataset to be kept.
- ? (Prompt)** Specify ? to display the Data Set Disposition keywords each time a dataset is to be deallocated so that you can decide whether to delete or keep the new dataset.

Installation Keywords for DB2 Stored Procedure Cross-LPAR Support

This section describes the Xpediter/TSO keywords used to specify DB2 Stored Procedure Cross-LPAR Support options.

DB2SP Cross-LPAR Keywords

The DB2SP Cross-LPAR keywords that follow are used to:

- specify up to three substitution control cards to be inserted after the JOBCARD in the Xpediter/TSO DB2 Stored Procedure Intercept JCL
- specify how long the Stored Procedure Intercept batch job(s) are to wait for a stored procedure to intercept
- identify up to 20 LPARs that will participate in the Stored Procedure testing environment.

DB2SP_CROSS_LPAR_JCL_CARD_1
DB2SP_CROSS_LPAR_JCL_CARD_2
DB2SP_CROSS_LPAR_JCL_CARD_3

Default: None

Description: Specify control cards to be inserted after the JOBCARD in the DB2 Stored Procedure Intercept JCL. Use the keyword @@LPAR@@ wherever you want the LPAR name to appear in the JCL. The keyword can be used more than once.

DB2SP_CROSS_LPAR_WAIT_LIMIT

Values: 1 to 99

Default: None

Description: Specify the maximum number of minutes that the Stored Procedure Intercept batch job(s) will wait to intercept a stored procedure. If one is not intercepted within the specified number of minutes, the job(s) will be terminated. Most users specify 10 (minutes).

DB2SP_CROSS_LPAR_LPAR_ID_1
DB2SP_CROSS_LPAR_LPAR_ID_2
DB2SP_CROSS_LPAR_LPAR_ID_3

.

DB2SP_CROSS_LPAR_LPAR_ID_18
DB2SP_CROSS_LPAR_LPAR_ID_19
DB2SP_CROSS_LPAR_LPAR_ID_20

Default: None

Description: Specify up to 20 LPAR identifiers that will be substituted into the control cards in place of the @@LPAR@@ keyword. An Xpediter/TSO Stored Procedure Intercept batch job will be submitted for each LPAR ID specified.

Examples of DB2SP Cross-LPAR Keywords

The following lines are examples of *KEYWORD=value* specifications that could be used within a CMSC PARMLIB member:

```
DB2SP_CROSS_LPAR_JCL_CARD_1='/*JOBPARM S=@@LPAR@@'  
DB2SP_CROSS_LPAR_JCL_CARD_2='/**'  
DB2SP_CROSS_LPAR_JCL_CARD_3='/**'
```

JCL Procedure Expansion

This section describes the Xpediter/TSO keywords used for JCL PROC expansion.

JCL PROC Expansion Options Keywords

The following are the JCL PROC Expansion Options keywords used to specify JCL PROC expansion options for the File Allocation Utility (FAU) JCL converter. JCL PROCs can then be read directly from the system PROCLIB, eliminating the need to submit jobs as TYPRUN=SCAN. This option reduces the risk of running into JES incompatibility problems and allows for a faster response time.

During the installation process, site installers must define the JES type, JES PROC, and PROC IDs used by the application programmers.

JES_TYPE

Values: 2|3

Default: 2

Description: Specify 2 if your primary Job Entry Subsystem is JES2. Specify 3 if it is JES3.

JCL_PROCEDURE_EXPANSION_STRATEGY

Values: D|S|C

Default: C

Description: Specify D (Direct), S (Submit), or C (Convert).

D (Direct) Reads the JCL PROC directly from the system PROCLIB. Read access to the PROCLIB is necessary to use this feature.

S (Submit) Extracts the content of the PROC by submitting a job as TYPRUN=SCAN.

- C (Convert)** Converts initial JCL to “raw” JCL (to handle nested procedures, INCLUDE statements, etc.). In addition, it is required to retrieve the PARM information, the DB2 System name, or the DB2 Plan name from the user’s JCL.



Selection of the expansion options is dependent on your site’s requirements. The most comprehensive expansion option is Convert, followed by Submit, then Direct. If your site prohibits TYPRUN=SCAN job submission, specify Direct. Be aware that Batch Connect JCL procedure expansion may use Submit for expanding procedures, even when Direct has been specified.

Direct JCL Expansion Job Classes and Datasets Keywords

The following Direct JCL Expansion Job Classes keywords can be specified as many times as needed. The specifications are used to build a table that contains the mapping provided by JES to show the default PROC DD for each job class and the datasets associated with each DD. A blank job class is used to specify the default PROCLIB ddname (usually PROC00 for a JES2 system).

There are two keywords to be specified as many times as needed. The order of the specifications is preserved as the search order. The keywords are:

```
DIRECT_JCL_PROC_EXPANSION_CLASS_SET
EXPANSION_JOBCLASS
JOBCLASS_DD
END
```

Default: None

Description: Used to associate a default (blank) job class (or a specific job class for which an alternate PROCLIB ddname was defined to JES) with the name of the PROCLIB DD statement that JES uses for the specified job class. As many of these “block” sets can be defined as are required. This block set starts with DIRECT_JCL_PROC_EXPANSION_CLASS_SET and ends with END. The two sub-keywords are:

EXPANSION_JOBCLASS=*jobclass* (up to eight characters or null)
JOBCLASS_DD=*ddname* (up to eight character ddname).

Format:

```
DIRECT_JCL_PROC_EXPANSION_CLASS_SET
EXPANSION_JOBCLASS=I
JOBCLASS_DD=PROC02
END
```

```

DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC02
  EXPANSION_DSNAME='SYS1.PROCLIB'
END

```

Default: The following specifications are the defaults values delivered with Xpediter. They represent a JES subsystem with two DD concatenations:

```

DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC02
  EXPANSION_DSNAME='SYS1.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC02
  EXPANSION_DSNAME='SYS2A.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC02
  EXPANSION_DSNAME='SYS2A.MISPROD.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC00
  EXPANSION_DSNAME='SYS1.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC00
  EXPANSION_DSNAME='SYS2A.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC00
  EXPANSION_DSNAME='SYS2A.MISPROD.PROCLIB'
END
DIRECT_JCL_PROC_EXPANSION_CLASS_SET
  EXPANSION_JOBCLASS=
  JOBCLASS_DD=PROC00
END
DIRECT_JCL_PROC_EXPANSION_CLASS_SET
  EXPANSION_JOBCLASS=I
  JOBCLASS_DD=PROC02
END
DIRECT_JCL_PROC_EXPANSION_CLASS_SET
  EXPANSION_JOBCLASS=M
  JOBCLASS_DD=PROC02
END
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=IATPLBST
  EXPANSION_DSNAME='SYS1.PROCLIB'
END

```

Description: Used to associate a PROCLIB dataset with a PROCLIB ddname that was defined to JES. Any of these “block” specifications in the CMSC PARMLIB member replace all previous specifications. As many of these “block” sets can be defined as are required. This block set starts with DIRECT_JCL_PROC_EXPANSION_DSNAME_SET and ends with END. The two sub-keywords are:

```

DSNAME_DD=ddname (up to eight character ddname)
EXPANSION_DSNAME=JES-proclib-dataset-name' (up to 44 character JES PROCLIB dataset name)

```

Format:

```
DIRECT_JCL_PROC_EXPANSION_DSNAME_SET
  DSNAME_DD=PROC00
  EXPANSION_DSNAME='SYS1.PROCLIB'
END
```

DB2 Stored Procedures Search List Keyword

The DB2 Stored Procedures Search List keyword is used to define the PROC dataset(s) to be searched when resolving Stored Procedure JCL. The keyword can be specified as many times as needed. The order of the specifications is preserved as the search order.

DB2SP_SEARCH_PROC_DSNAME

Default: 'XT.SP.PROCLIB'

Description: Specify a PROC library that contains Stored Procedure JCL.

Any specification in the CMSC PARMLIB member replaces all previous specifications. As an example, if a site desired to replace the delivered default library specification with ones that reflected the two procedure libraries commonly used at the site, the CMSC PARMLIB member control cards would look as follows:

```
DB2SP_SEARCH_PROC_DSNAME='OUR.DB2SP.PROCLIB1'
DB2SP_SEARCH_PROC_DSNAME='OUR.DB2SP.PROCLIB2'
```

