IBM

Program Directory for

DB2 UDB for OS/390

Buffer Pool Tool

Volume 6 of 6

Version 6

Program Number 5645-DB2

FMIDs H00G610, J00G611

for Use with
OS/390

CBPDO Level SMC0014

Document Date: May 2000

GI10-8189-01

> **Note!**
>
> Before using this information and the product it supports, be sure to read the general information under "Notices" on page vi.

Contents

Figures

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1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of DB2 Buffer Pool Tool. This publication refers to DB2 Buffer Pool Tool as Buffer Pool Tool. You should read all of this program directory before installing the program and then keep it for future reference.

With the delivery of DB2 UDB Server for OS/390 Version 6, additional features and their specific product materials and program directories are included. Please refer to Figure 1 for a complete list of program directory volumes of the server features available.

This program directory is Volume 6 of 6. To fully install all of the features that comprise DB2 UDB Server for OS/390 Version 6, please read each product's program directory carefully.

The additional features included with this delivery of DB2 UDB Server for OS/390 Version 6 may be installed and used on a trial basis (also known as a **"Try and Buy"** basis) for 90 days from the date of installation of the feature "**Try**" except for the Query Management Facility (QMF) for Windows Feature, which may be installed and used on a trial basis for 60 days from the date of installation. These optional, priced features are shipped with DB2 UDB Server for OS/390 Version 6 so that you can install and explore them and discover the value they can bring to your DB2.

A full-use license for each of the priced features may be obtained by ordering the appropriate billing feature number and media feature number, labeled as **"Buy"**, for the optional priced feature, as indicated in the announcement letter for DB2 UDB Server for OS/390 Version 6.

Figure 1. DB2 UDB Server for OS/390 Program Directory Set	
Program Directory Title	**Volume in Set**
IBM Database 2 Universal Database Server for OS/390 Version 6	1 of 6
DB2 UDB for OS/390 DB2 Performance Monitor	2 of 6
DB2 UDB for OS/390 Query Management Facility	3 of 6
DB2 UDB for OS/390 Query Management Facility High Performance Option	4 of 6
DB2 UDB for OS/390 DB2 Administration Tool	5 of 6
DB2 UDB for OS/390 DB2 Buffer Pool Tool	6 of 6

The Buffer Pool Tool program directory contains the following sections:

- 2.0, "Program Materials" on page 4 identifies the basic and optional program materials and documentation for Buffer Pool Tool.

- 3.0, "Program Support" on page 8 describes the IBM support available for Buffer Pool Tool.

- 4.0, "Program and Service Level Information" on page 9 lists the APARs (program level) and PTFs (service level) incorporated into Buffer Pool Tool.

- 5.0, "Installation Requirements and Considerations" on page 10 identifies the resources and considerations for installing and using Buffer Pool Tool.

- 6.0, "Installation Instructions for Try and Buy" on page 16 provides detailed installation instructions for Buffer Pool Tool. It also describes the procedures for activating the functions of Buffer Pool Tool, or refers to appropriate publications.

- Appendix A, "Buffer Pool Tool Install Logic" on page 27 provides the install logic for Buffer Pool Tool.

Before installing Buffer Pool Tool, read 3.2, "Preventive Service Planning" on page 8. This section tells you how to find any updates to the information and procedures in this program directory.

Do not use this program directory if you are installing Buffer Pool Tool with an MVS Custom-Built Installation Process Offering (CBIPO), SystemPac, or ServerPac. When using these offerings, use the jobs and documentation supplied with the offering. This documentation may point you to specific sections of the program directory as required.

If you are installing Buffer Pool Tool using the MVS Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), use the softcopy program directory provided on the CBPDO tape. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for Buffer Pool Tool are included on the CBPDO tape.

1.1 DB2 Buffer Pool Tool Description

DB2 Buffer Pool Tool helps performance analysts evaluate tuning alternatives and achieve optimal performance with minimal effort. Accurate tuning of buffer pools is one of the single, most-critical factors to improving DB2 performance and getting the most out of your system resources.

Buffer Pool Tool gives you comprehensive statistical data and easy-to-read reports and graphs for all pools and objects. The type of information provided by Buffer Pool Tool is not available from any other monitor or tool in the industry.

Buffer Pool Tool provides the ability to simulate the effects of changing pool sizes and thresholds. It can also help you predict the effects of moving DB2 objects into different pools or into new pools that do not currently exist. This "what if" analysis allows you to make expert decisions on maximizing resource utilization and reducing elapsed time of your DB2 transactions through effective buffer pool usage. Buffer Pool Tool makes it easier to maximize system resources and optimize DB2 performance and allows you to reduce CPU cycles, improve DB2 transaction and batch job elapsed times.

1.2 Buffer Pool Tool FMIDs

Buffer Pool Tool consists of the following FMIDs:

H00G610 - DB2 Buffer Pool Tool Version 6 - **Try**
J00G611 - DB2 Buffer Pool Tool Version 6 - **Buy**

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for Buffer Pool Tool is 5645-DB2.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature code, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature codes, and are not required for the product to function.

The program announcement material describes the features supported by Buffer Pool Tool. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is 9-track magnetic tape (written at 6250 BPI), 3480 cartridge, 3590 cartridge, or 4mm cartridge. The tape or cartridge contains all the programs and data needed for installation. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions for Try and Buy" on page 16 for more information about how to install the program.

Figure 2 describes the tape or cartridge for the Buffer Pool Tool - **Try**. Figure 3 on page 5 describes the file content of the program tape or cartridge for the Buffer Pool Tool - **Try**.

Figure 4 on page 5 describes the tape or cartridge for the Buffer Pool Tool - **Buy**. Figure 5 on page 5 describes the file content of the program tape or cartridge for the Buffer Pool Tool - **Buy**.

Note: If you are installing Buffer Pool Tool using the MVS Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), some of the information in these figures may not be valid. Consult the CBPDO documentation for actual values.

2.1.1 Buffer Pool Tool - Try

			Figure 2. Basic Material: Program Tape - Try	
Medium	**Feature Number**	**Physical Volume**	**External Label Identification**	**VOLSER**
6250 tape	5821	1	SMC0014 BPT Try	00G610
3480 cartridge	5822	1	SMC0014 BPT Try	00G610
4mm cartridge	6270	1	SMC0014 BPT Try	00G610

VOLSER	File	Name	Dist Library	RECFM	LRECL	BLK SIZE
00G610	1	SMPMCS	n/a	FB	80	6400
	2	IBM.H00G610.F1	SMPJCLIN	FB	80	6400
	3	IBM.H00G610.F2	ABFTBASE	FB	80	8800
	4	IBM.H00G610.F3	ABFTCNTL	FB	80	8800
	5	IBM.H00G610.F4	ABFTEXEC	FB	80	8800
	6	IBM.H00G610.F5	ABFTLOAD	U	0	6144
	7	IBM.H00G610.F6	ABFTDBRM	FB	80	8800
	8	IBM.H00G610.F7	ABFTSPUF	FB	80	8800
	9	IBM.H00G610.F8	ABFTTSRC	FB	80	6400

Figure 3. Program Tape: File Content - Try

When ordering feature numbers 5821, 5822, or 6270, additionally, you will receive a CD-ROM (order number LCD4-3768) with the following products included on it:

* DB2 Buffer Pool Tool Coupling Facility
* DB2 Buffer Pool Tool Graphics Facility

2.1.2 Buffer Pool Tool - Buy

Medium	Feature Number	Physical Volume	External Label Identification	VOLSER
6250 tape	5740	1	DB2 BPT Basic Buy	00G611
3480 cartridge	5963	1	DB2 BPT Basic Buy	00G611
4mm cartridge	5047	1	DB2 BPT Basic Buy	00G611

Figure 4. Basic Material: Program Tape - Buy

VOLSER	File	Name	Dist Library	RECFM	LRECL	BLK SIZE
00G611	1	SMPMCS	n/a	FB	80	6400
	2	IBM.J00G611.F1	SMPJCLIN	FB	80	6400
	3	IBM.J00G611.F2	ABFTBBAS	FB	80	8800
	4	IBM.J00G611.F3	ABFTBLOA	U	0	6144

Figure 5. Program Tape: File Content - Buy

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for Buffer Pool Tool.

2.3 Program Publications

The following sections identify the basic and optional publications for Buffer Pool Tool.

2.3.1 Basic Program Publications

Figure 6 identifies the basic unlicensed program publications for Buffer Pool Tool. One copy of each of these publications is included when you order the basic materials for Buffer Pool Tool. For additional copies, contact your IBM representative.

Note: No additional publications are sent with Buffer Pool Tool - Buy orders.

Figure 6. Basic Material: Unlicensed Publications	
Publication Title	**Form Number**
DB2 Buffer Pool Tool User's Guide and Reference	SC26-9306

2.3.2 Optional Program Publications

No optional publications are provided for Buffer Pool Tool.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for Buffer Pool Tool.

2.5 Publications Useful During Installation

The publications listed in Figure 7 may be useful during the installation of Buffer Pool Tool. To order copies, contact your IBM representative.

Figure 7 (Page 1 of 2). Publications Useful During Installation	
Publication Title	**Form Number**
SMP/E User's Guide	SC28-1302
SMP/E Reference	SC28-1107

Figure 7 (Page 2 of 2). Publications Useful During Installation	
Publication Title	**Form Number**
SMP/E Messages and Codes	SC28-1108
OS/390 SMP/E User's Guide	SC28-1740
OS/390 SMP/E Reference	SC28-1806
OS/390 SMP/E Messages and Codes	SC28-1738

3.0 Program Support

This section describes the IBM support available for Buffer Pool Tool.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before installing Buffer Pool Tool, you should review the current Preventive Service Planning (PSP) information. If you obtained Buffer Pool Tool as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO tape.

If you obtained Buffer Pool Tool on a product tape, or if the CBPDO is more than two weeks old when you install it, you should contact the IBM Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket."

PSP Buckets are identified by UPGRADEs, which specify product levels, and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for Buffer Pool Tool are:

Figure 8. PSP Upgrade and Subset ID		
UPGRADE	**SUBSET**	**Description**
DB2610	H00G610/0014	DB2 Buffer Pool Tool Try
DB2610	J00G611	DB2 Buffer Pool Tool Buy

3.3 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will provide the address to which any needed documentation can be sent.

Figure 9 identifies the component IDs (COMPID) for Buffer Pool Tool.

Figure 9. Component IDs			
FMID	**COMPID**	**Component Name**	**RETAIN Release**
H00G610	5697D1600	DB2 Buffer Pool Tool Try	610
J00G611	5697D1600	DB2 Buffer Pool Tool Buy	611

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of Buffer Pool Tool. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated. Information about the cumulative service tape is also provided.

4.1 Program Level Information

No APARs have been incorporated into Buffer Pool Tool Version 6.

4.2 Service Level Information

PTF UQ38806, containing APAR fixes against this release of Buffer Pool Tool, has been incorporated into this product tape.

4.3 Cumulative Service Tape

A cumulative service tape, containing PTFs not incorporated into this release, might be included with this program. Installation instructions for cumulative service tapes can be found in the SMP/E publications.

If you received this product as part of a CBPDO or a ProductPac, PTFs not incorporated into this release are provided on the tape, and a separate cumulative service tape will not be provided.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Buffer Pool Tool. The following terminology is used:

- *Driving system*: the system used to install the program.
- *Target system*: the system on which the program is installed.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.
- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install Buffer Pool Tool.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

Figure 10. Driving System Software Requirements	
Program Number	**Product Name and Minimum VRM/Service Level**
5668-949	System Modification Program/Extended (SMP/E) Release 8.1 or higher with APAR IR38650
5645-001	OS/390 Version 1 Release 3 or higher with PTF UR51067

5.2 Target System Requirements

This section describes the environment of the target system required to install and use Buffer Pool Tool.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requisites

5.2.2.1 Minimum Requisites: A minimum requisite is defined as one of the following:

1. *Installation Requisite:* A product that is required at installation time. i.e. this product **will not install** successfully unless this requisite is met. This includes products that are specified as REQs, PREs, or CALLLIBs.

2. *Run Time Requisite:* A product that is **not** required for the successful installation of this product, but **is** needed at run time in order for this product to work.

Figure 11. Minimum Requisites

Program Number	Product Name and Minimum VRM/Service Level	Install Req?
5645-001	OS/390 MVS Assembler Version 1 Release 3 or higher	Yes
5645-DB2	DB2 UDB for OS/390 Version 6 and its prerequisite products	Yes
Any **one** of the following:		
	Windows 3.11	No
	Windows 95	No

Note:

- Windows software is optional and is only required for the usage with the workstation components of the product.

5.2.3 DASD Storage Requirements

Buffer Pool Tool libraries can reside on 3350, 3380, or 3390 DASD. The values specified below are for a 3390 DASD.

Figure 12 lists the total space required for each type of library of the Try and Buy version.

Figure 12. Total DASD Space Required by Buffer Pool Tool	
Library Type	**Total Space Required**
Target	173 Blocks
Distribution	183 Blocks

Notes:

1. The data set sizes specified contain 15% extra space at a minimum. You may wish to revise these numbers based on your plans for adding additional function or service.

2. IBM recommends use of system determined blocksizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a blocksize of 32760, which is the most efficient from a performance and DASD utilization perspective.

   If you choose not to use system determined blocksizes, use the blocksizes and numbers of blocks specified to allocate the data sets. Data sets can be reblocked to a larger size. Please note that the maximum allowable blocksize will depend on the type of DASD on which the dataset will reside; for example, the blocksize of datasets on a 3350 DASD cannot exceed 19,069.

3. Abbreviations used for the data set type are:

   U   Unique data set used by only the FMIDs listed. In order to determine the correct storage needed for this data set, this table provides all required information; no other tables (or program directories) need to be referenced for the data set size.

   S   Shared data set used by more than the FMIDs listed. In order to determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

   For more information on the names and sizes of the required data sets, please refer to 6.1.6, "Step 2—Allocate Distribution and Target Libraries - Try" on page 18.

Figure 13 (Page 1 of 2). Storage Requirements for SMP/E Work Data Sets								
Library DDNAME	**T Y P E**	**D S O R G**	**R E C F M**	**L R E C L**	**No. of Blks**	**BLK SIZE**	**No. of 3380/ 9345 Trks**	**No. of 3390 Trks**	**No. of DIR Blks**
SMPWRK1	S	PO	FB	80	10	6160	3	2	250
SMPWRK2	S	PO	FB	80	10	6160	3	2	250

Library DDNAME	T Y P E	D S O R G	R E C F M	L R E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 13 (Page 2 of 2). Storage Requirements for SMP/E Work Data Sets									
SMPWRK3	S	PO	FB	80	10	3200	3	2	250
SMPWRK4	S	PO	FB	80	10	3200	3	2	250
SMPWRK6	S	PO	FB	80	10	3200	3	2	300
SYSUT1	U	PS	--	--	--	--	90	75	0
SYSUT2	U	PS	--	--	--	--	90	75	0
SYSUT3	U	PS	--	--	--	--	90	75	0
SYSUT4	U	PS	--	--	--	--	90	75	0

The following table provides an estimate of the storage needed in the SMP/E data sets for Buffer Pool Tool - Try.

The estimates must be added to those of any other programs and service being installed to determine the total additional storage requirements.

Library DDNAME	T Y P E	D S O R G	R E C F M	L R E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 14. Storage Requirements for SMP/E Data Sets									
SMPLTS	S	PO	U	0	400	6144	52	45	150
SMPMTS	S	PO	FB	80	60	3120	18	15	60
SMPPTS	S	PO	FB	80	400	3120	52	45	300
SMPSCDS	S	PO	FB	80	400	3120	52	45	300
SMPSTS	S	PO	FB	80	400	3120	52	45	300

5.2.3.1 Target and Distribution Libraries - Try: The following figures list the target and distribution libraries (data sets) and their attributes required to install Buffer Pool Tool - Try.

The storage requirements of Buffer Pool Tool must be added to the storage required by other programs having data in the same data set (library).

Library DDNAME	TYPE	DSORG	RECFM	LRECL	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 15. Storage Requirements for Buffer Pool Tool - Try - Target Libraries									
SBFTBASE	U	PO	FB	80	15	8800	4	3	10
SBFTCNTL	U	PO	FB	80	15	8800	4	3	10
SBFTEXEC	U	PO	FB	80	45	8800	10	8	10
SBFTLOAD	U	PO	U	0	75	6144	12	10	20
SBFTDBRM	U	PO	FB	80	8	8800	3	2	5
SBFTSPUF	U	PO	FB	80	15	8800	4	3	5

Library DDNAME	TYPE	DSORG	RECFM	LRECL	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 16. Storage Requirements for Buffer Pool Tool - Try - Distribution Libraries									
ABFTBASE	U	PO	FB	80	15	8800	4	3	10
ABFTCNTL	U	PO	FB	80	15	8800	4	3	10
ABFTEXEC	U	PO	FB	80	45	8800	10	8	10
ABFTLOAD	U	PO	U	0	75	6144	12	10	20
ABFTDBRM	U	PO	FB	80	8	8800	3	2	5
ABFTSPUF	U	PO	FB	80	15	8800	4	3	5
ABFTTSRC	U	PO	FB	80	10	8800	3	2	5

5.2.3.2 Target and Distribution Libraries - Buy: The following figures list the target and distribution libraries (data sets) and their attributes required to install Buffer Pool Tool - Buy.

The storage requirements of Buffer Pool Tool must be added to the storage required by other programs having data in the same data set (library).

Library DDNAME	T Y P E	D S O R G	R E C F M	L R E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 17. Storage Requirements for Buffer Pool Tool - Buy - Target Libraries									
SBFTBBAS	U	PO	FB	80	15	8800	4	3	10

Library DDNAME	T Y P E	D S O R G	R E C F M	L R E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
Figure 18. Storage Requirements for Buffer Pool Tool - Buy - Distribution Libraries									
ABFTBBAS	U	PO	FB	80	15	8800	4	3	10
ABFTBLOA	U	PO	U	0	15	6144	3	2	5

5.3 FMIDs Deleted

Installing Buffer Pool Tool - Try will result in the deletion of the following FMIDs, if installed:

Deleted FMID	Deleting FMID	Description
Figure 19. FMIDs Deleted		
H00G110	H00G610	Buffer Pool Tool Version 1

Note: Buffer Pool Tool - Buy (FMID J00G611) is a dependent function and does not explicitly delete previous levels.

5.4 Special Considerations

Buffer Pool Tool has no special considerations for the target system.

6.0 Installation Instructions for Try and Buy

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of Buffer Pool Tool.

Please note the following:

- If you want to install Buffer Pool Tool into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.

- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.

- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing Buffer Pool Tool - H00G610 - Try

6.1.1 SMP/E Considerations for Installing Buffer Pool Tool - Try

This release of Buffer Pool Tool - Try - is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

6.1.2 SMP/E Environment - Try

All SMP/E installation jobs provided assume that all necessary DD statements for the execution of SMP/E are defined using DDDEFs.

Sample jobs are provided to assist you in installing Buffer Pool Tool - Try. After the RECEIVE step has been completed, the sample jobs can be found in SMPTLIB: **BFT610.H00G610.F2** (*BFT610* is the recommended high level qualifier). Make a copy of these jobs in your own library and modify them to use during the installation of Buffer Pool Tool - Try.

The sample jobs are:

BFTALC   Sample job to allocate target and distribution libraries

BFTDDDEF   Sample job to define SMP/E DDDEFs

BFTRECV   Sample RECEIVE job

BFTAPPLY   Sample APPLY job

BFTACCPT   Sample ACCEPT job

In the sample SMP/E jobs provided, the name of the SMP/E CSI is `hlqual.SMPCSI.CSI`. The global zone name in the SMP/E CSI is `GLOBAL`. The distribution zone name is `#dzone`. The target zone name is `#tzone`. The sample jobs should be updated to reflect the CSI and zone names used at your installation.

6.1.3 SMP/E Options Subentry Values - Try

The recommended values for some SMP/E CSI subentries are shown in Figure 20. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

Figure 20. SMP/E Options Subentry Values - Try		
SUB-ENTRY	**Value**	**Comment**
DSSPACE	(200,200,500)	For a 3390 device.
PEMAX	9999	For a 3390 device.

6.1.4 SMP/E CALLLIBS Processing - Try

Buffer Pool Tool uses the CALLLIBS function provided in SMP/E Release 8 to resolve external references during installation. When Buffer Pool Tool is installed, ensure the following:

- Verify that the SMP/E SMPLTS data set has been allocated. Refer to *SMP/E Reference* for information on allocating the SMPLTS data set.

  Note: For Buffer Pool Tool, one cylinder of 3380/3390 DASD space is adequate for the SMPLTS.

- Provide a DDDEF for the following library:

  – MACLIB

  See 6.1.7, "Step 3—Create DDDEF Entries - Try" on page 18 for more detailed information on the sample job which defines the DDDEF.

  Note: The DDDEF above is used during the SMP/E Apply execution (assembly of BFTTB) for Buffer Pool Tool using CALLLIBS. The data set is not updated during the installation of Buffer Pool Tool.

6.1.5 Step 1—Unload Sample JCL From Tape - Try

Sample installation jobs are provided on the distribution tape to help you install Buffer Pool Tool - Try. The following sample JCL will copy the Buffer Pool Tool - Try sample jobs from the tape. Add a job card and modify the parameters in boldface to values which conform to your site's requirements before submitting the job.

```
//STEP1    EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=A
//IN       DD DSN=IBM.H00G610.F2,UNIT=tunit,VOL=SER=00G610,
//           LABEL=(3,SL),DISP=(OLD,KEEP)
//OUT      DD DSNAME=jcl-library-name,
//           DISP=(NEW,CATLG,DELETE),
//           VOL=SER=dasdvol,UNIT=dunit,
//           DCB=*.STEP1.IN,SPACE=(8800,(15,10,10))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=IN,OUTDD=OUT
/*
```

where **tunit** is the unit value matching the product tape or cartridge, **jcl-library-name** is the name of the data set where the sample jobs will reside, **dasdvol** is the volume serial of the DASD device where the data set will reside, and **dunit** is the DASD unit type of the volume.

You can also access the sample installation jobs for Buffer Pool Tool - Try - by performing an SMP/E RECEIVE for FMID H00G610, and then copying the jobs from dataset **BFT610.H00G610.F2** (*BFT610* is the recommended high level qualifier) to a work dataset for editing and submission.

6.1.6 Step 2—Allocate Distribution and Target Libraries - Try

The installation sample jobs shipped with Buffer Pool Tool - Try refer to private libraries. If you choose system libraries as your target libraries, you must modify the installation jobs to reflect the names of the system libraries used at your site.

To allocate and catalog distribution and target libraries for Buffer Pool Tool - Try, edit and submit **BFTALC**.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

6.1.7 Step 3—Create DDDEF Entries - Try

To define the Utility and Options entry ASMUTIL and to create DDDEF entries for the SMP/E distribution and target libraries for the Buffer Pool Tool - Try, edit and submit **BFTDDDEF**.

Note: If the Utility and Options entry is already defined in your environment, change the following statements which are part of the BFTDDDEF sample job to comments before you execute the job:

```
   SET BDY(GLOBAL).
 UCLIN.
   REP OPTIONS(optent)
          ASM(ASMUTIL)
```

```
        DSPREFIX(hlqual)
        DSSPACE(200,200,500)
        NUCID(9)
        PEMAX(9999)
        .
   ADD UTILITY(ASMUTIL)
        NAME(ASMA90)
        RC(0)
        PRINT(SYSPRINT)
        .
 ENDUCL.
```

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Expected Return Codes and Messages: You will get a condition code of 0 or 4 if the jobs runs correctly.

GIM56501W will be issued if SMP/E could not find the subentry specified in the UCLIN REP command. SMP/E adds the subentry.

6.1.8 Step 4—Perform SMP/E RECEIVE - Try

Edit and submit sample job **BFTRECV** to perform the SMP/E RECEIVE for Buffer Pool Tool - Try.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Note: If you obtained Buffer Pool Tool as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the Buffer Pool Tool FMIDs as well as any service, HOLDDATA, or preventive service planning (PSP) information included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

Expected Return Codes and Messages: This job should complete with a condition code of 4 or less.

Note: If you are running a lower level of OS/390 Version 2 Release 7, your RECEIVE job will end with a return code of 4. The following warning message will be issued: **GIM50050W**

6.1.9 RECEIVE the Cumulative Service Tape

NOTE: This step is bypassed if receiving the product from a CBPDO.

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.1.10 Step 5—Perform SMP/E APPLY CHECK - Try

Edit and submit sample job **BFTAPPLY** to perform an SMP/E APPLY CHECK for Buffer Pool Tool - Try.

Note: Consult the instructions in the sample job for more information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

For CHECK processing on APPLY, change the APPLY SELECT statement to the following:

```
APPLY S(H00G610) CHECK GROUPEXTEND
FORFMID(H00G610)
BYPASS(HOLDSYS,HOLDUSER,
HOLDCLASS(UCLREL,ERREL)).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.1.11 Step 6—Perform SMP/E APPLY - Try

Edit and submit sample job **BFTAPPLY** to perform an SMP/E APPLY for Buffer Pool Tool - Try.

Note: Consult the instructions in the sample job for more information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job (if not already done so).

Change the APPLY SELECT statement in the sample job to the following:

```
APPLY S(H00G610) GROUPEXTEND
FORFMID(H00G610)
BYPASS(HOLDCLASS(UCLREL,ERREL),HOLDUSER)
COMPRESS(ALL).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.1.12 Step 7—Perform SMP/E ACCEPT CHECK - Try

Edit and submit sample job **BFTACCPT** to perform an SMP/E ACCEPT CHECK for Buffer Pool Tool - Try.

Note: Consult the instructions in the sample job for more information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

For CHECK processing on ACCEPT change the ACCEPT SELECT statement to the following:

```
ACCEPT S(H00G610) CHECK GROUPEXTEND
FORFMID(H00G610)
BYPASS(HOLDSYS,HOLDUSER,
HOLDCLASS(UCLREL,ERREL)).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.1.13 Step 8—Perform SMP/E ACCEPT - Try

Edit and submit sample job **BFTACCPT** to perform an SMP/E ACCEPT for Buffer Pool Tool - Try.

Note: Consult the instructions in the sample job for more information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job (if not already done so).

Change the ACCEPT SELECT in the sample job statement to the following:

```
ACCEPT S(H00G610) GROUPEXTEND
FORFMID(H00G610)
BYPASS(HOLDCLASS(UCLREL,ERREL))
COMPRESS(ALL).
```

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Expected Return Codes and Messages: This job should complete with a condition code of 0.

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will linkedit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder

may issue messages documenting unresolved external references, resulting in a return code of 4 from the ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

6.2 Installing Buffer Pool Tool - J00G611 - Buy

6.2.1 SMP/E Considerations for Installing Buffer Pool Tool - Buy

The Buffer Pool Tool - Buy is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

6.2.2 SMP/E Environment - Buy

All SMP/E installation jobs provided assume that all necessary DD statements for the execution of SMP/E are defined using DDDEFs.

Sample jobs are provided to assist you in installing Buffer Pool Tool - Buy. After the RECEIVE step has been completed, the sample jobs can be found in SMPTLIB: **BFT610.J00G611.F2** (*BFT610* is the recommended high level qualifier). Make a copy of these jobs in your own library and modify them to use during the installation of Buffer Pool Tool - Buy.

The sample jobs are:

BFTBALC   Sample job to allocate target and distribution libraries

BFTBDDEF   Sample job to define SMP/E DDDEFs

BFTBRECV   Sample RECEIVE job

BFTBAPPL   Sample APPLY job

BFTBACCP   Sample ACCEPT job

In the sample SMP/E jobs provided, the name of the SMP/E CSI is `hlqual.SMPCSI.CSI`. The global zone name in the SMP/E CSI is `GLOBAL`. The distribution zone name is `#dzone`. The target zone name is `#tzone`. The sample jobs should be updated to reflect the CSI and zone names used at your installation.

6.2.3 SMP/E Options Subentry Values - Buy

The recommended values for some SMP/E CSI subentries are shown in Figure 20 on page 17. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

Figure 21. SMP/E Options Subentry Values - Buy		
SUB-ENTRY	**Value**	**Comment**
DSSPACE	(200,200,500)	For a 3390 device.
PEMAX	9999	For a 3390 device.

6.2.4 Step 1—Unload Sample JCL From Tape - Buy

Sample installation jobs are provided on the distribution tape to help you install Buffer Pool Tool - Buy. The following sample JCL will copy the Buffer Pool Tool - Buy sample jobs from the tape. Add a job card and modify the parameters in boldface to values which conform to your site's requirements before submitting the job.

```
//STEP1    EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=A
//IN       DD DSN=IBM.J00G611.F2,UNIT=tunit,VOL=SER=00G611,
//         LABEL=(3,SL),DISP=(OLD,KEEP)
//OUT      DD DSNAME=jcl-library-name,
//         DISP=(NEW,CATLG,DELETE),
//         VOL=SER=dasdvol,UNIT=dunit,
//         DCB=*.STEP1.IN,SPACE=(8800,(15,10,10))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=IN,OUTDD=OUT
/*
```

where **tunit** is the unit value matching the product tape or cartridge, **jcl-library-name** is the name of the data set where the sample jobs will reside, **dasdvol** is the volume serial of the DASD device where the data set will reside, and **dunit** is the DASD unit type of the volume.

You can also access the sample installation jobs for Buffer Pool Tool - Buy by performing an SMP/E RECEIVE for FMID J00G611, and then copying the jobs from dataset **BFT610.J00G611.F2** (*BFT610* is the recommended high level qualifier) to a work dataset for editing and submission.

6.2.5 Step 2—Allocate Distribution and Target Libraries - Buy

The installation sample jobs shipped with Buffer Pool Tool - Buy refer to private libraries. If you choose system libraries as your target libraries, you must modify the installation jobs to reflect the names of the system libraries used at your site.

To allocate and catalog distribution and target libraries for Buffer Pool Tool - Buy, edit and submit **BFTBALC**.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

6.2.6 Step 3—Create DDDEF Entries for Product Libraries - Buy

To create DDDEF entries for the SMP/E distribution and target libraries for the Buffer Pool Tool - Buy, edit and submit **BFTBDDEF**.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

6.2.7 Step 4—Perform SMP/E RECEIVE - Buy

Edit and submit sample job **BFTBRECV** to perform the SMP/E RECEIVE for Buffer Pool Tool - Buy.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

Note: If you obtained Buffer Pool Tool as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the Buffer Pool Tool FMIDs as well as any service, HOLDDATA, or preventive service planning (PSP) information included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

Expected Return Codes and Messages: This job should complete with a condition code of 4 or less.

Note: If you are running a lower level of OS/390 Version 2 Release 7, your RECEIVE job will end with a return code of 4. The following warning message will be issued: **GIM50050W**

6.2.8 Step 5—Perform SMP/E APPLY CHECK - Buy

Edit and submit sample job **BFTBAPPL** to perform an SMP/E APPLY CHECK for Buffer Pool Tool - Buy.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

For CHECK processing on APPLY, change the APPLY SELECT statement to the following:

```
APPLY S(J00G611) CHECK GROUPEXTEND
FORFMID(J00G611)
BYPASS(HOLDSYS,HOLDUSER,
HOLDCLASS(UCLREL,ERREL)).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.2.9 Step 6—Perform SMP/E APPLY - Buy

Edit and submit sample job **BFTBAPPL** to perform an SMP/E APPLY for Buffer Pool Tool - Buy.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job (if not already done so).

Change the APPLY SELECT statement in the sample job to the following:
```
APPLY S(J00G611) GROUPEXTEND
FORFMID(J00G611)
BYPASS(HOLDCLASS(UCLREL,ERREL),HOLDUSER)
COMPRESS(ALL).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.2.10 Step 7—Perform SMP/E ACCEPT CHECK - Buy

Edit and submit sample job **BFTBACCP** to perform an SMP/E ACCEPT CHECK for Buffer Pool Tool - Buy.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

For CHECK processing on ACCEPT, change the ACCEPT SELECT statement to the following:

```
ACCEPT S(J00G611) CHECK GROUPEXTEND
FORFMID(J00G611)
BYPASS(HOLDSYS,HOLDUSER,
HOLDCLASS(UCLREL,ERREL)).
```

Expected Return Codes and Messages: This job should complete with a condition code of 0.

6.2.11 Step 8—Perform SMP/E ACCEPT - Buy

Edit and submit sample job **BFTBACCP** to perform an SMP/E ACCEPT for Buffer Pool Tool - Buy.

Note: Consult the instructions in the sample job for information. Add a job card and modify the parameters in lowercase to uppercase values which conform to your site's requirements before submitting the job (if not already done so).

Change the ACCEPT SELECT in the sample job statement to the following:

```
ACCEPT S(J00G611) GROUPEXTEND
FORFMID(J00G611)
BYPASS(HOLDCLASS(UCLREL,ERREL))
COMPRESS(ALL).
```

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Expected Return Codes and Messages: This job should complete with a condition code of 0.

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will linkedit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder may issue messages documenting unresolved external references, resulting in a return code of 4 from the ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

Note to the Installer

Note: After the installation for Buffer Pool Tool - Buy is complete, you may notice that dataset ABFTTSRC is empty. This dataset may be deleted, if you wish.

6.3 Activating Buffer Pool Tool

DB2 Buffer Pool Tool User's Guide and Reference, SC26-9306 contains the step-by-step procedures to activate the functions of Buffer Pool Tool.

Appendix A. Buffer Pool Tool Install Logic

The SMP/E Modification Control Statements (SMPMCS) for Buffer Pool Tool - Try are contained in the SMPMCS file on the installation tape. The SMPMCS for each FMID in the product will be loaded to the SMPPTS dataset, with a member name matching the FMID, when the FMID is SMP/E RECEIVEd. You may browse or print these members using TSO/E, ISPF, or IEBGENER (or IEBPTPCH).

Appendix B. SMP/E JCLIN

B.1 H00G610 - Try

```
//H00G610  JOB (ACCT#),PGMRNAME,
//            MSGCLASS=A,CLASS=A,MSGLEVEL=(1,1)
//*************************************************************
//*                                                          *
//*          LICENSED MATERIALS - PROPERTY OF IBM            *
//*          5645-DB2 (C) COPYRIGHT IBM CORP 1997,1999        *
//*          ALL RIGHTS RESERVED.                            *
//*          US GOVERNMENT USERS RESTRICTED RIGHTS -          *
//*          USE, DUPLICATION OR DISCLOSURE RESTRICTED        *
//*          BY GSA ADP SCHEDULE CONTRACT WITH IBM CORP.      *
//*                                                          *
//*************************************************************
//*CALLLIBS=YES
//BFTTB     EXEC PGM=ASMA90
//SYSPRINT DD  SYSOUT=*
//SYSLIB   DD  DSN=SYS1.MACLIB,DISP=SHR
//SYSPUNCH DD  DSN=&&PUNCH(BFTTB),SPACE=(TRK,(1,1,1)),
//            DISP=(,PASS)
//SYSIN    DD  DSN=BFT610.ABFTTSRC,DISP=SHR
//*
//LINK1    EXEC PGM=IEWL,REGION=3M,COND=(0,LT),
//   PARM=(XREF,LIST,MAP,LET)
//SYSLIN   DD  DDNAME=SYSIN
//SYSUT1   DD  DSN=&&SYSUT1,
//         UNIT=SYSALLDA,SPACE=(1024,(100,50),,,ROUND)
//SYSPRINT DD SYSOUT=*
//SYSPUNCH DD  DSN=*.BFTTB.SYSPUNCH,DISP=SHR
//SYSLMOD  DD  DSN=BFT610.SBFTLOAD,DISP=SHR
//ABFTLOAD DD  DSN=BFT610.ABFTLOAD,DISP=SHR
//SYSIN DD  *
  INCLUDE SYSPUNCH(BFTTB)
   ENTRY BFTTB
     NAME  BFTTB(R)
  INCLUDE ABFTLOAD(BFTACC)
  INCLUDE ABFTLOAD(BFTRXEX)
   ENTRY BFTACC
     NAME  BFTACC(R)
  INCLUDE ABFTLOAD(BFTFDB)
   ENTRY BFTFDB
     NAME  BFTFDB(R)
  INCLUDE ABFTLOAD(BFTLSIND)
```

```
INCLUDE ABFTLOAD(BFTRXEX)
INCLUDE ABFTLOAD(BFTOPNPL)
INCLUDE ABFTLOAD(BFTDHLI)
INCLUDE ABFTLOAD(BFTCLSPL)
 ENTRY BFTLSIND
   NAME BFTLSIND(R)
INCLUDE ABFTLOAD(BFTLSTBS)
INCLUDE ABFTLOAD(BFTRXEX)
INCLUDE ABFTLOAD(BFTOPNPL)
INCLUDE ABFTLOAD(BFTDHLI)
INCLUDE ABFTLOAD(BFTCLSPL)
 ENTRY BFTLSTBS
   NAME BFTLSTBS(R)
INCLUDE ABFTLOAD(BFTNOOP)
INCLUDE ABFTLOAD(BFTRXEX)
 ENTRY BFTNOOP
   NAME BFTNOOP(R)
INCLUDE ABFTLOAD(BFTREADA)
INCLUDE ABFTLOAD(BFTRA000)
INCLUDE ABFTLOAD(BFTRA004)
INCLUDE ABFTLOAD(BFTRA008)
INCLUDE ABFTLOAD(BFTRA012)
INCLUDE ABFTLOAD(BFTRA016)
INCLUDE ABFTLOAD(BFTRA020)
INCLUDE ABFTLOAD(BFTRA024)
INCLUDE ABFTLOAD(BFTRA028)
INCLUDE ABFTLOAD(BFTRXEX)
INCLUDE ABFTLOAD(BFTOPNPL)
INCLUDE ABFTLOAD(BFTCLSPL)
 ENTRY BFTREADA
   NAME BFTREADA(R)
INCLUDE ABFTLOAD(BFTREADS)
INCLUDE ABFTLOAD(BFTRXEX)
INCLUDE ABFTLOAD(BFTOPNPL)
INCLUDE ABFTLOAD(BFTCLSPL)
 ENTRY BFTREADS
   NAME BFTREADS(R)
INCLUDE ABFTLOAD(BFTRESSD)
INCLUDE ABFTLOAD(BFTRXEX)
 ENTRY BFTRESSD
   NAME BFTRESSD(R)
INCLUDE ABFTLOAD(BFTSIM)
INCLUDE ABFTLOAD(BFTRXEX)
INCLUDE ABFTLOAD(BFTSALC)
INCLUDE ABFTLOAD(BFTSHASH)
INCLUDE ABFTLOAD(BFTSP198)
INCLUDE ABFTLOAD(BFTSP006)
INCLUDE ABFTLOAD(BFTSFRE)
 ENTRY BFTSIM
```

```
      NAME BFTSIM(R)
  INCLUDE ABFTLOAD(BFTSTAT)
  INCLUDE ABFTLOAD(BFTRXEX)
  INCLUDE ABFTLOAD(BFTTPR)
  INCLUDE ABFTLOAD(BFTTPW)
  INCLUDE ABFTLOAD(BFTTP198)
  INCLUDE ABFTLOAD(BFTTGETO)
   ENTRY BFTSTAT
     NAME BFTSTAT(R)
  INCLUDE ABFTLOAD(BFTTOD)
   ENTRY BFTTOD
     NAME BFTTOD(R)
/*
//***********************************************************
//LINKREUS EXEC PGM=IEWL,REGION=3M,COND=(0,LT),
//  PARM=(LIST,XREF,LET,CALL,MAP,REUS)
//SYSLIN    DD DDNAME=SYSIN
//SYSUT1    DD DSN=&&SYSUT1,
// UNIT=SYSALLDA,SPACE=(1024,(100,50),,,ROUND)
//SYSPRINT  DD SYSOUT=*
//ABFTLOAD  DD DSN=BFT610.ABFTLOAD,DISP=SHR
//SYSLMOD   DD DSN=BFT610.SBFTLOAD,DISP=SHR
//SYSIN DD  *
  INCLUDE ABFTLOAD(BFTFUSER)
   ENTRY BFTFUSER
    ALIAS 'IRXFUSER'
     NAME BFTFUSER(R)
/*
```

The JCLIN for Buffer Pool Tool is contained in the RELFILEs on the installation tape. These files will be loaded to disk by SMP/E when the product is SMP/E RECEIVEd. You may browse or print these files using TSO/E, ISPF, or IEBGENER (or IEBPTPCH).

The file containing JCLIN for Buffer Pool Tool - Try is:

> FMID H00G610: **BFT610.H00G610.F1(H00G610)**

Note: The dataset high-level qualifier *BFT610* is the IBM recommended qualifier for Buffer Pool Tool. It is the qualifier specified as the DSPREFIX in the SMP/E OPTIONS.

B.2 J00G611 - Buy

```
//J00G611  JOB (ACCT#),PGMRNAME,
//          MSGCLASS=A,CLASS=A,MSGLEVEL=(1,1)
//***********************************************************
//*                                                        *
//*         LICENSED MATERIALS - PROPERTY OF IBM           *
```

```
//*          5645-DB2 (C) COPYRIGHT IBM CORP 1999         *
//*          ALL RIGHTS RESERVED.                         *
//*          US GOVERNMENT USERS RESTRICTED RIGHTS -      *
//*          USE, DUPLICATION OR DISCLOSURE RESTRICTED    *
//*          BY GSA ADP SCHEDULE CONTRACT WITH IBM CORP.  *
//*                                                       *
//***********************************************************
//LINKBUY  EXEC PGM=IEWL,REGION=3M,COND=(0,LT),
//  PARM=(XREF,LIST,MAP,LET)
//SYSLIN    DD DDNAME=SYSIN
//SYSUT1    DD DSN=&&SYSUT1,
//          UNIT=SYSALLDA,SPACE=(1024,(100,50),,,ROUND)
//SYSPRINT DD SYSOUT=*
//SYSLMOD   DD DSN=BFT610.SBFTLOAD,DISP=SHR
//ABFTBLOA  DD DSN=BFT610.ABFTBLOA,DISP=SHR
//SYSIN DD  *
  INCLUDE ABFTBLOA(BFTTB)
   ENTRY BFTTB
     NAME  BFTTB(R)
/*
```

The JCLIN for Buffer Pool Tool is contained in the RELFILEs on the installation tape. These files will be loaded to disk by SMP/E when the product is SMP/E RECEIVEd. You may browse or print these files using TSO/E, ISPF, or IEBGENER (or IEBPTPCH).

The file containing JCLIN for Buffer Pool Tool - Buy is:

FMID J00G611: **BFT610.J00G611.F1(J00G611)**

Note: The dataset high-level qualifier *BFT610* is the IBM recommended qualifier for Buffer Pool Tool. It is the qualifier specified as the DSPREFIX in the SMP/E OPTIONS.

Reader's Comments

Program Directory for DB2 Buffer Pool Tool Version 6

You may use this form to comment about this document, its organization, or subject matter with the understanding that IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

```
 ┌─ RATING SCALE ──────────────────────────────────────────────────┐
 │    very                        very         not                  │
 │  satisfied  <====================>  dissatisfied  applicable     │
 │      1         2      3      4         5             N            │
 └──────────────────────────────────────────────────────────────────┘
```

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Ease of getting the system into production after installation	1	2	3	4	5	N

How did you order this product?

___   CBIPO
___   CBPDO
___   CustomPac
___   ServerPac
___   Independent
___   Other

Is this the first time your organization has installed this product?

___   Yes
___   No

Were the people who did the installation experienced with the installation of MVS products?

___ Yes
___ No

If yes, how many years? ___

If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

_____

_____

_____

_____

_____

_____

_____

_____

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Please provide the following contact information:

_____
Name and Job Title

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Organization

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Address

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Telephone

Thank you for your participation.

Please send the completed form to (or give to your IBM representative who will forward it to the DB2 Buffer Pool Tool Development group):

IBM Corporation
555 Bailey Avenue
San Jose, California 95141
Attention: Icing Software, Department ICE

FAX Number: (408) 463-2633

E-Mail: comments@vnet.ibm.com

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