Online Installation Program (INSTPROD/INSTADA)

This section describes the INSTADA program for Adabas installation on z/VM systems. INSTADA is invoked internally by the INSTPROD program, which loads product files from installation tapes. INSTADA can also be invoked directly to define new databases. INSTADA must be run at the appropriate step of the z/VM or VM/GCS installation sequence, as described in the section *Install Procedure*.

The installation instructions for Adabas are documented in the section *Install Procedure*. The information in this section presumes that the reader has read and is familiar with that information.

Note:
INSTADA and ADAMAINT do not support the shared file system (SFS) option or 2-byte DBIDs.

- Loading INSTADA
- Running the Maintenance Version of INSTADA
- The INSTADA Display Panels

Loading INSTADA

This section describes how to load the INSTADA program.

To load the INSTADA program:

1. Enter the following commands on the terminal:

   TAPE FSF 1

   TAPE LOAD * * *filemode*

   —where *filemode* is the filemode of the minidisk where the TAPE LOAD command will place the output. After the TAPE LOAD command has completed, the following appears on your terminal:

   ```
   VOL1ADAvrs REST
   HDR1ADAvrs.EXEC ADAvrs00010001 88160 0000000000000IBM OS/VS 370
   HDR2F008000008040DAF0300 /STEP001 B 61918
   FILE 'INSTPROD EXEC C1' COPIED.
   FILE 'INSTXED1 EXEC C1' COPIED.
   R; T=0.03/0.10 15:18:23
   ```

   The first line of the output is the volume serial number of the tape, followed by two lines of header information. The two files INSTPROD EXEC and INSTXED1 EXEC are used to create the online installation panels to unload the product files on the installation tape. These files are copied to the *filemode* minidisk that was specified in the TAPE LOAD command.

2. Enter the name of the EXEC that will perform the online installation procedure:

   INSTPROD

   This EXEC, in turn, invokes INSTADA to generate the online panels.

Running the Maintenance Version of INSTADA

For already installed databases, you can run INSTADA to re-define the existing environment by entering the following command in place of INSTPROD:

ADAMAINT

This command presents the same online installation panel sequence as INSTPROD. However, instead of re-installing the database, ADAMAINT stores the new definition in the library. The new definition becomes effective only after each virtual machine re-accesses the library.

The INSTADA Display Panels

This section describes the panels that appear when either the INSTPROD or ADAMAINT command is entered.

Note:
Some panels and fields are not present for VM/GCS systems, as noted in the text. The VM/GCS system is supported by Entire Net-Work, but not by Adabas.

Preselecting the Database

```
HH:MM:SS             ***** software ag Online Installation *****          YYYY-MM-DD
                           - A D A B A S Installation -                    Panel 0

Parameter sets exist for the following Adabas identification numbers

Select a parameter set by marking any ID:

     5
   112









PF3 will reset modifications
```

Field	Description
ID (database ID)	To change the parameters of an existing database, enter any character next to the database number. For a new database, press Enter for the next screen.

Note:
This panel appears only when databases have already been defined using INSTPROD or ADAMAINT.

Defining the Environment

This panel is for defining the requirements for the general Adabas environment. If an existing environment was selected on the previous panel, that database name, ID, and present values are displayed in the input fields of this and all following screens. If a new database is being installed, all input fields are empty.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                                - A D A B A S Installation -                   Panel 1

Define your Adabas environment

Modify the following fields to meet your requirements:

     Database name: VMESA-DATABASE112 Database id: 00112 Convert: NO

     Logon IDs of the DB machine: XDB200 ID service machine: DBIDSERV

     ID service machine target ID: 65535 Automatic restart: YES

     System file numbers: 004 000 000 000 000 000 000 000

     Maximum number of files: 020 Demo file numbers: 001 002 003

     Update profile EXECs: YES RR Password for the D-disk: RAD


PF3 will reset modifications
```

The following data can be entered on this screen:

Field	Description
Database Name	Name assigned to the database. This name appears in the ADAREP report.
Database ID	Numerical identification to be assigned to the database. A value in the range 1-255 may be specified.
Convert	Change to YES if you are converting an existing database to Adabas.
Logon ID of the DB Machine	Logon of the Adabas virtual machine where the Adabas nucleus will be located.
ID Service Machine	ID of the ID table manager virtual machine. If not specified, the ID is DBIDSERV.
ID Service Machine Target ID	ID of the ID table manager virtual machine.
Automatic Restart (z/VM systems only)	If YES is specified, the ID table manager virtual machine restarts automatically if an abend occurs.
System File Numbers	The first entry is required and must be the checkpoint file. By entering a second number, control statements will be generated for the security file. All additional file numbers are optional.
Maximum Number of Files	Value in the range 5-255 representing the maximum number of files that can be loaded in the database.
Demo File Numbers	File numbers used to load the three demo files: EMPLOYEES, VEHICLES, and MISCELLANEOUS. If any one of these fields is set to zero, the respective demo file will not be loaded.
Update Profile EXECs	If YES is specified, the entries required for Adabas version 7 are added to your existing PROFILE EXEC. If NO is specified, an EXEC named “????” is generated, which may then be invoked from your PROFILE EXEC.
RR Password for the D-Disk	Enter the read-only password for the Adabas library minidisk where the installation tape is unloaded.

When all correct values have been entered, press Enter to make the values effective. If you change values for an existing database and then decide to restore the old values, press PF3 before pressing Enter to restore all old values on the existing panel (other panels are not affected).

After pressing Enter to accept entered values, the prompt shown above appears at the bottom of each panel asking you to either confirm by pressing Enter again, or to press PF3 to abort the online installation procedure. In other words, you must press Enter twice following entry of each panel data to accept and confirm the entries, and then move to the next panel. If you decide that the values entered on the current panel are not valid, press PF3 to exit from the procedure and return to the z/VM environment.

On all subsequent screens, pressing PF3 to exit saves all values entered on previous panels, and restores any preexisting values on the current panel before exiting. If you press PF3 following the first Enter, you must reenter the INSTPROD or ADAMAINT command to complete the installation. An ID for the

partially completed installation appears on the list in the first panel, which you can then select and continue.

Defining the ID Table Manager

The next panel, shown below, is used to define the environment for the ID table manager virtual machine.

Note:
This panel does not appear for VM/GCS systems.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 2

Define your Adabas ID service machine

Modify the following fields to meet your requirements:

     ID service machine target ID: 65535 Automatic restart: YES

     ID service machine: DBIDSERV

     Nodename: ITM65535 DBAVMID: SAGDBA

     Net-work Resource ID: SAGNETWK



PF3 will reset modifications
```

Field	Description
ID Service Machine Target ID	Target ID Target ID of the ID table manager virtual machine. This value must be entered.
ID Service Machine	Logon of the ID table manager virtual machine. If you are not using the default DBIDSERV, another name must be entered here.
Nodename	(Entire Net-Work database only). Defines the ID table manager node name for Entire Net-Work.
Automatic Restart	If the ID table manager virtual machine abends, it will restart automatically if YES is specified.
DBAVMID	ID of the database administrator (DBA) virtual machine.
Net-Work Resource ID	Defines the IUCV node name for Entire Net-work.

Defining the Nucleus Virtual Machine

This panel is the first of a series for defining the Adabas ADARUN parameter values, which define and control the Adabas nucleus.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 3

Define your Adabas nucleus parameters

Modify the following fields to meet your requirements:

     No. of - commands: 020 Held ISNs: 0500 Users: 0020

              Threads: 05 Att. buffs: 016 ISN per TBI: 50

              Held isn per user: 050 TBLES CIDs per user: 05



PF3 will reset modifications
```

In the following list, the Field column is the description of the input field on the panel. The ADARUN Parameter column specifies the ADARUN parameter corresponding to the input field. The Default column is the default value in effect if you make no entry. Refer to *Adabas Operations* for specific information about the Adabas ADARUN parameters.

Field	**ADARUN Parameter**	**Default**
Commands	NC	200
Held ISNs	NH	500
Users	NU	200
Threads	NT	5
Att. Buffs	NAB	16
ISN per TBI	NSISN	51
Held ISNs per User	NISNHQ	20 (this default is conditional. See *Adabas Operations* for more information)
TBLES CIDs per User	NQCID	20

This panel continues the definition of the Adabas ADARUN parameter values for z/VM installation.

Note:
This panel does not appear in the VM/GCS sequence.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 4

Define your Adabas nucleus parameters

Modify the following fields to meet your requirements:

     Size of - buffer pool: 0250000 FB pool: 012000 ISN lists: 010000

     Prot. area: 01000 Work pool: 150000 Sort area: 050000

     User buffer: 065535 Table of sequential commands: 010000

     UQ Pool: 0005000 Asynch. Buffer flush Pool: 0000000

     Work Part 2: 00000


PF3 will reset modifications
```

In the following list, the Field column is the description of the input field on the panel. The ADARUN Parameter column specifies the ADARUN parameter corresponding to the input field. The Default column is the default value in effect if you make no entry. Refer to *Adabas Operations* for specific information about the Adabas ADARUN parameters.

Field	**ADARUN Parameter**	**Default**
Buffer Pool	LBP	250000
FB Pool	LFP	12000
ISN Lists	LI	10000
Protection Area	LP	10000
Work Pool	LWP	150000
Sort Area	LS	49920
User Buffer	LU	65535
Table of Sequential Commands	LQ	10000
UQ Pool	LDEUQP	5000
Asynchr. Buffer Flush Pool	LFIOP	0/6000 (the default is zero to disable asynchronous buffer flushing, or a minimum of 6000 to enable asynchronous buffer flushing. See *Adabas Operations* for more information)
Work, Part 2	LWKP2	0

This panel continues the definition of the Adabas ADARUN parameter values, and applies to both z/VM and VM/GCS systems.

```
HH:MM:SS                 ***** software ag Online Installation *****          YYYY-MM-DD
                                - A D A B A S Installation -                   Panel 5

Define your Adabas nucleus parameters

Modify the following fields to meet your requirements:

     Read-only: NO Utility-only: NO Open command required: NO

     Time windows - command: 0060 Search: 0900 Transaction: 0900

     Non-activity - access: 0900 ET/BT: 0900 Exclusive: 0900

                  - Online services: 0900

     Sequential block size: 00000       Buffer Flush Duration: 001


PF3 will reset modifications
```

In the following list, the Field column is the description of the input field on the panel. The ADARUN Parameter column specifies the ADARUN parameter corresponding to the input field. The Default column is the default value in effect if you make no entry. Refer to *Adabas Operations* for specific information about the Adabas ADARUN parameters.

Field	ADARUN Parameter	Default
Read-only	READONLY	NO
Utility-only	UTIONLY	NO
OPEN command required	OPENRQ	YES
Time windows-command	CT	60 (see note below)
Search	TLSCMD	300 (see note below)
Transaction	TT	900 (see note below)
Non-activity-access	TNAA	900 (see note below)
ET/BT	TNAE	900 (see note below)
Exclusive Use	TNAX	900 (see note below)
Sequential block size	QBLKSIZE	0
Buffer Flush Duration	TFLUSH	1 (see note below)

Note:
All default or specified times are in units of 1.08 seconds. See *Adabas Operations* for more information.

Defining Protection Logging

This panel accepts information associated with protection logging.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 4

Define your Adabas nucleus parameters (Protection logging)

Modify the following fields to meet your requirements:

       Protection logging: NO Protection logging required: NO

       Dual logging device: 3380 Size: 000120 CMS-directory: YES

       Dual logging file name: TESTCMS.PLOG

       Unit 1: 440 Volume: DPLOG1 Link Unit: 440 Password: MAD

       Unit 2: 441 Volume: DPLOG2 Link Unit: 441 Password: MAD


PF3 will reset modifications
```

Field	Description
Protection Logging	Enter either YES or NO. Even if you specify NO, first read and provide the applicable information for other panel fields before continuing to the next panel. If NO is entered, then one of the following cases applies: ● With a DUALPLS parameter, the PLOG minidisk is used; ● With the DATADEF parameter for SIBA, the SIBA minidisk is used; ● With neither parameter, no protection logging occurs.
Protection Logging Required	If YES is specified, the ADARUN parameter PLOGRQ=YES is created. In this case, any attempt to start an Adabas nucleus without a protection log causes Adabas initialization to terminate with an error message.
Dual Logging Device	Enter the device type to be used. (3380, for example).
Size	Enter the number of blocks available for each PLOG minidisk. See *Device and File Considerations* for blocksize information.
CMS-Directory	Enter YES if the dual PLOG is a z/VM minidisk; enter NO if the dual PLOG is an OS-formatted disk.
Dual Logging File Name	Enter the file name and file type of the file.
Unit 1 and Unit 2	Enter the CUU of the minidisk defined to the Adabas virtual machine for the protection log.
Volume	Enter the volume name, (i.e., LABEL) of each minidisk identified.
Link Unit	Enter the link CUU for each PLOG minidisk identified.
Password	Enter the MULTI-WRITE password for each PLOG minidisk identified.

Caution:
Failure to enter the MW link passwords when implementing dual protection logging will cause the installation to terminate abnormally since no CP LINK statements will be generated.

Defining Command Logging

This panel accepts information that controls command logging.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 5


Define your Adabas nucleus parameters (Command logging)

Modify the following fields to meet your requirements:

       Command logging: NO Command log size: 04000

       Dual logging device: 3380 Size: 000135 CMS-directory: YES

       Dual logging file name: TESTCMS.CLOG

       Unit 1: 430 Volume: DCLOG1 Link Unit: 430 Password: MAD

       Unit 2: 431 Volume: DCLOG2 Link Unit: 431 Password: MAD

       Log - CB: NO FB: NO RB: NO SB: NO VB: NO IB: NO IO: NO


PF3 will reset modifications
```

Field	Description
Command Logging	Enter YES or NO. If you enter NO, you can continue directly to the next panel.
Command Log Size	Enter the blocksize if using DDLOG (single logging).
Dual Logging Device	Enter the device type to be used. (3380, for example).
Size	Enter the number of blocks available for each CLOG minidisk. See *Device and File Considerations* for blocksize information.
CMS-Directory	Enter YES if the dual CLOG is a z/VM minidisk; enter NO if the dual CLOG is an MVS-formatted disk.
Dual Logging File Name	Enter the file name and file type of the file.
Unit 1 and Unit 2	Enter the CUU of the minidisk defined to the Adabas virtual machine for the command log.
Volume	Enter the volume name, (i.e., LABEL) of each minidisk identified.
Link Unit	Enter the link CUU for each CLOG minidisk identified.
Password	Enter the MULTI WRITE password for each CLOG minidisk identified.
Log	Select command logging controls; valid only if command logging on this panel specifies YES. Enter YES or NO to log the following information: • Log CB: the Adabas control block • Log FB: the format buffer • Log RB: the record buffer • Log SB: the search buffer • Log VB: the value buffer • Log IB: the ISN buffer • Log IO: the I/O activity

Defining the Adabas Associator

This panel is used to define the Adabas Associator.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 7

Define your ASSOCIATOR structure for FILE 1

       Device type: 3380 Size in cylinders: 00049 CMS-directory: YES

       File name: TESTCMS.ASSO1

       Volume labels: ASS200

       Unit addresses: 200 000 000 000

       Link addresses: 200 000 000 000

       Link passwords: MAD

       More volumes for file: NO More ASSO files: NO


PF3 will reset modifications
```

Field	Description
Device Type	Enter the device type to be used.
Size in Cylinders	Enter the size of minidisks as the number of cylinders in the MDISK statement minus 1. A warning will be displayed, reminding you that Adabas does not use the first cylinder of the minidisk.
CMS-Directory	Enter YES if ASSO is on a z/VM minidisk; enter NO if ASSO is on an MVS-formatted disk.
File Name	Enter the file name and the file type of the file.
Volume Label(s)	Enter up to four volume names for ASSO.
Unit Address(es)	Enter the corresponding CUUs for the volumes.
Link Address(es)	Enter the link CUUs being used for ASSO.
Link Password(s)	Enter the corresponding MULTI WRITE passwords for each volume.
More Volumes for File	Enter YES if you want to define more than four volumes for ASSO. Another panel will be provided for additional volumes.
More ASSO Files	YES produces panel to define ASSOR2, 3, 4, and 5.

Note:
Adabas does not use the first cylinder of a z/VM-formatted disk. Therefore, when specifying size, use the actual size in number of cylinders, minus 1. Do this for every minidisk used for Adabas files. In addition, subtract one cylinder for every additional volume specified.

Defining the Adabas Data Storage

This panel is used to define the Adabas Data Storage.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 8


Define your DATA STORAGE structure for FILE 1

       Device type: 3380 Size in cylinders: 00111 CMS-directory: YES

       File name: TESTCMS.DATA1

       Volume labels: DAT300 DAT301 DAT302 DAT303

       Unit addresses: 300 301 302 303

       Link addresses: 300 301 302 303

       Link passwords: MAD MAD MAD MAD

       More volumes for file: NO More DATA files: NO


PF3 will reset modifications
```

Field	Description
Device Type	Enter the device type to be used (3380, for example).
Size in Cylinders	Enter the size of the minidisk in number of cylinders, minus 1.
CMS-Directory	Enter YES if DATA is on a z/VM minidisk; enter NO if DATA is on an MVS-formatted disk.
File Name	Enter the file name and file type of the file.
Volume Label(s)	Enter up to four volume names for DATA.
Unit Address(es)	Enter the corresponding CUUs for the volumes.
Link Address(es)	Enter the link CUUs that will be used on this virtual machine.
Link Password(s)	Enter the corresponding MULTI WRITE passwords for each volume.
More Volumes for File	Enter YES if you want to define more than four volumes for DATA. Another panel will be provided for additional volumes.
More DATA files	Enter YES to produce panel to define DATAR2, 3, 4, or 5.

Defining the Adabas Work Area

This panel is used to define the Adabas Work area.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 9


Define your WORK STORAGE structure for FILE 1

       Device type: 3380 Size in cylinders: 00024 CMS-directory: YES

       File name: TESTCMS.WORK1

       Volume labels: WOR400

       Unit addresses: 400 000 000 000

       Link addresses: 400 000 000 000

       Link passwords: MAD

       More volumes for file: NO More WORK files: NO


PF3 will reset modifications
```

Field	Description
Device Type	Enter the device type to be used (3380, for example).
Size in Cylinders	Enter the size of the minidisk in number of cylinders, minus 1.
CMS-Directory	Enter YES if WORK is on a z/VM minidisk; enter NO if WORK is on an MVS-formatted disk.
File Name	Enter the file name and file type of the file.
Volume Label(s)	Enter up to four volume names for WORK.
Unit Address(es)	Enter the corresponding CUUs for the volumes.
Link Address(es)	Enter the link CUUs that will be used on this virtual machine.
Link Password(s)	Enter the corresponding MULTI WRITE passwords for each volume.
More Volumes for File	Enter YES if you want to define more than four volumes for WORK. Another panel will be provided for additional volumes.

Defining the Adabas Temp Area

This panel is used to define the Adabas Temp area.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 10


Define your TEMPORARY STORAGE structure for FILE 1

       Device type: 3380 Size in cylinders: 00009 CMS-directory: YES

       File name: TESTCMS.TEMP1

       Volume labels: TEM410

       Unit addresses: 410 000 000 000

       Link addresses: 410 000 000 000

       Link passwords: MAD

       More volumes for file: NO More TEMP files: NO


PF3 will reset modifications
```

Field	Description
Device Type	Enter the device type to be used (3380, for example).
Size in Cylinders	Enter the size of the minidisk in number of cylinders, minus 1.
CMS-Directory	Enter YES if TEMP is on a z/VM minidisk; enter NO if TEMP is on an MVS-formatted disk.
File Name	Enter the file name and file type of the file.
Volume Label(s)	Enter up to four volume names for WORK.
Unit Address(es)	Enter the corresponding CUUs for the volumes.
Link Address(es)	Enter the link CUUs that will be used on this virtual machine.
Link Password(s)	Enter the corresponding MULTI WRITE passwords for each volume.
More Volumes for File	Enter YES if you want to define more than four volumes for TEMP. Another panel will be provided for additional volumes.

Defining the Adabas Sort Area

This panel is used to define the Adabas Sort area.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 11



Define your SORT STORAGE structure for FILE 1

       Device type: 3380 Size in cylinders: 00009 CMS-directory: YES

       File name: TESTCMS.SORT1

       Volume labels: SOR420

       Unit addresses: 420 000 000 000

       Link addresses: 420 000 000 000

       Link passwords: MAD

       More volumes for file: NO More SORT files: YES


PF3 will reset modifications
```

Field	Description
Device Type	Enter the device type to be used (3380, for example).
Size in Cylinders	Enter the size of the minidisk in number of cylinders, minus 1.
CMS-Directory	Enter YES if SORT is on a z/VM minidisk; enter NO if SORT is on an MVS-formatted disk.
File Name	Enter the file name and file type of the file.
Volume Label(s)	Enter up to four volume names for WORK.
Unit Address(es)	Enter the corresponding CUUs for the volumes.
Link Address(es)	Enter the link CUUs that will be used on this virtual machine.
Link Password(s)	Enter the corresponding MULTI WRITE passwords for each volume.
More Volumes for File	Enter YES if you want to define more than four volumes for SORT. Another panel will be provided for additional volumes.
More SORT Files	YES produces a panel to define SORT2.

Defining the Checkpoint/ET File

This panel accepts ADALOD utility parameters used for loading the checkpoint file.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 12


Define your Checkpoint and ET-data File

Modify the following fields to meet your requirements:

       File name: CHECKPOINT Max. ISN: 001000 Min. CP ISN: 00255

       ASSO padding factor: 10 AC-RABN: 00000

       Normal index size: 64B NI-RABN: 00000 Max. secondary alloc: 00000

       Upper index size: 03B UI-RABN: 00000 Max. secondary alloc: 00000

       DATA padding factor: 10 DS-RABN: 00000 Max. secondary alloc: 00000

       DS-reusage: NO DS-size: 100B DS-device: 3380


PF3 will reset modifications
```

The left column equates to the description prior to the input field on the panel. The right column represents the ADALOD parameter associated with the description. Refer to *Adabas Utilities* for more specific information on the ADALOD parameters.

Field	ADARUN Parameter
File Name	NAME
Max ISN	MAXISN
Min CP ISN	MINISN
ASSO Padding Factor	ASSOPFAC
AC-RABN	ACRABN
Normal Index Size	NISIZE
NI-RABN	NIRABN
Max Secondary Alloc	MAXNI
Upper Index Size	UISIZE
UI-RABN	UIRABN
Max Secondary Alloc	MAXUI
DATA Padding Factor	DATAPFAC
DS-RABN	DSRABN
Max Secondary Alloc	MAXDS
DS-Reusage	DSREUSE
DS-Size	DSSIZE
DS-Device	DSDEV

Demo File Definition (EMPLOYEES)

This panel accepts ADALOD parameters used when loading the EMPLOYEES demo file.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 14


Define your DEMO-File 1, Employees File

Modify the following fields to meet your requirements:

       File name: EMPLOYEES Max. ISN: 001500

       ASSO padding factor: 10 AC-RABN: 00000

       Normal index size: 140B NI-RABN: 00000 Max. secondary alloc: 00000

       Upper index size: 15B UI-RABN: 00000 Max. secondary alloc: 00000

       DATA padding factor: 10 DS-RABN: 00000 Max. secondary alloc: 00000

       DS-reusage: YES DS-size: 110B DS-device: 3380


PF3 will reset modifications
```

Field	ADARUN Parameter
File Name	NAME
Max ISN	MAXISN
Min CP ISN	MINISN
ASSO Padding Factor	ASSOPFAC
AC-RABN	ACRABN
Normal Index Size	NISIZE
NI-RABN	NIRABN
Max Secondary Alloc	MAXNI
Upper Index Size	UISIZE
UI-RABN	UIRABN
Max Secondary Alloc	MAXUI
DATA Padding Factor	DATAPFAC
DS-RABN	DSRABN
Max Secondary Alloc	MAXDS
DS-Reusage	DSREUSE
DS-Size	DSSIZE
DS-Device	DSDEV

Demo File Definition (VEHICLES)

This panel accepts ADALOD parameters when loading the VEHICLES demo file.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                               - A D A B A S Installation -                   Panel 15


Define your DEMO-File 2, Vehicles File

Modify the following fields to meet your requirements:

       File name: VEHICLES Max. ISN: 001500

       ASSO padding factor: 10 AC-RABN: 00000

       Normal index size: 35B NI-RABN: 00000 Max. secondary alloc: 00000

       Upper index size: 10B UI-RABN: 00000 Max. secondary alloc: 00000

       DATA padding factor: 10 DS-RABN: 00000 Max. secondary alloc: 00000

       DS-reusage: YES DS-size: 50B DS-device: 3380


PF3 will reset modifications
```

Field	ADARUN Parameter
File Name	NAME
Max ISN	MAXISN
Min CP ISN	MINISN
ASSO Padding Factor	ASSOPFAC
AC-RABN	ACRABN
Normal Index Size	NISIZE
NI-RABN	NIRABN
Max Secondary Alloc	MAXNI
Upper Index Size	UISIZE
UI-RABN	UIRABN
Max Secondary Alloc	MAXUI
DATA Padding Factor	DATAPFAC
DS-RABN	DSRABN
Max Secondary Alloc	MAXDS
DS-Reusage	DSREUSE
DS-Size	DSSIZE
DS-Device	DSDEV

Demo File Definition (MISCELLANEOUS)

This panel accepts ADALOD parameters to load the MISCELLANEOUS demo file.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 16

Define your DEMO-File 3, MISCELLANEOUS File

Modify the following fields to meet your requirements:

       File name: MISCELLANEOUS Max. ISN: 002000

       ASSO padding factor: 10 AC-RABN: 00000

       Normal index size: 50B NI-RABN: 00000 Max. secondary alloc: 00000

       Upper index size: 07B UI-RABN: 00000 Max. secondary alloc: 00000

       DATA padding factor: 10 DS-RABN: 00000 Max. secondary alloc: 00000

       DS-reusage: YES DS-size: 76B DS-device: 3380

PF3 will reset modifications
```

Field	ADARUN Parameter
File Name	NAME
Max ISN	MAXISN
Min CP ISN	MINISN
ASSO Padding Factor	ASSOPFAC
AC-RABN	ACRABN
Normal Index Size	NISIZE
NI-RABN	NIRABN
Max Secondary Alloc	MAXNI
Upper Index Size	UISIZE
UI-RABN	UIRABN
Max Secondary Alloc	MAXUI
DATA Padding Factor	DATAPFAC
DS-RABN	DSRABN
Max Secondary Alloc	MAXDS
DS-Reusage	DSREUSE
DS-Size	DSSIZE
DS-Device	DSDEV

Installing Adabas

After panel 16 has been completed, the remaining online panels require no input. They simply display statements giving the status of the installation procedure.

```
HH:MM:SS                 ***** software ag Online Installation *****          YYYY-MM-DD
                                - A D A B A S Installation -                   Panel 18


The Adabas execution environment for data base 112 is being established

    The PROFILE EXEC for the ID table service machine already exists

    The zap file for the ID table service machine already exists

    The zap file for ADALDI already exists

    The PROFILE EXEC XDB200 has been created

    The ADAFRM control cards to format DB 112 already exist

    The PROFILE EXEC for SAGDBA has been created or modified

    The ADADEF control cards to define DB 112 already exist

Hit ENTER to proceed
```

During the building of panel 18, messages will appear giving a step by step status of the installation process. During the building of panel 18 there will be two interruptions, and at both times the literal “MORE...” will be displayed on the bottom right corner of the terminal. The messages that will appear will be the names of the ID table service machine and the Adabas nucleus machine. Output should look similar to the following:

```
DBIDSERV: R; T=0.01/0.01 15:33:20
ADABASVv: R; T=0.01/0.01 15:33:20
```

This message will indicate that a PROFILE EXEC has been created for these machines and has been punched over to that virtual machine. It will be necessary to press the Clear key to continue the installation process.

When panel 18 is completed, you will be prompted to press the Enter key to proceed.

```
HH:MM:SS                ***** software ag Online Installation *****          YYYY-MM-DD
                              - A D A B A S Installation -                    Panel 19

The Adabas execution environment for database 112 is being established

    The control cards to run the nucleus for DB 112 already exist

    The ADARUN control cards for device 3380 already exist

    The control cards to load demo-file EMPLOYEES already exist

    The control cards to load demo-file VEHICLES already exist

    The control cards to load demo-file MISCELLANEOUS already exist

    The volume list for DB 112 has been created

    The ADADEFS EXEC for DB 112 has been created

Hit ENTER to proceed
```

Panel 19 will continue to display updates on the creation of ADARUN control cards and the control cards to load the demonstration files. At the end of all the messages, you will be prompted to press Enter to proceed. At this point, the database environment has been set up. If the procedure is not to be continued, press PF3 to terminate.

LINK statements should appear for each Adabas file required for the installation followed by a message indicating that the Adabas library minidisk is being accessed as READ ONLY. The output should look similar to the following:

```
DASD 200 LINKED R/W; R/W BY ADABASVv
DASD 300 LINKED R/W; R/W BY ADABASVv
DASD 400 LINKED R/W; R/W BY ADABASVv
DASD 410 LINKED R/W; R/W BY ADABASVv
DASD 420 LINKED R/W; R/W BY ADABASVv
DMSACC724I ‘202’ REPLACES ‘ C (202) ’
DMSACC723I C (202) R/O
```

If a LINK statement is *not* displayed for each required Adabas file, ADAFRM will terminate abnormally. Check to see that the correct MULTI WRITE passwords were entered for each Adabas file.

The installation procedure can be restarted to change passwords or make other corrections by entering:

INSTADA

The installation procedure continues by invoking the following EXECs to perform the previously mentioned functions:

```
DBINIT perform z/VM minidisk functions
ADAFRM format the files for the database
ADADEF define the database
ADALOD load the three demo files
ADAREP produce a database report
```

```
The Adabas environment for database 112 has been successfully modified
Ready;




                                                          RUNNING HOSTSYS
```

The final step of the installation procedure is to bring the nucleus up if the Adabas machine has the DBA machine defined as a secondary console. The following message appears after that step has started:

```
The Adabas nucleus for database 225 has been started
Adabas installed successfully
READY;
```

Whether you are on the DBA or Adabas machine, the following messages are displayed:

```
ADAN02 00225 NUCLEUS-RUN WITHOUT PROTECTION-LOG
ADAN03 00225 ADABAS COMING UP
ADAN01 00225 A D A B A S IS ACTIVE
ADAN01 00225 MODE = MULTI
```

The installation has finished, and the nucleus should be active.