

VSE/ESA Installation

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The Installation Tape

Review the *Report of Tape Creation* that accompanies the release package before restoring the release data to disk. Information in this report supersedes the information in this documentation.

The installation tape contains the following datasets in the sequence indicated in the report:

Dataset	Contents
COR _{vrs} .LIBR	Source, macro, object, and load modules
COR _{vrs} .INPL	SYSCOR INPL file
COR _{vrs} .ERRN	SYSCOR error messages file
COR _{vrs} .SYSF	Base configuration file

where *vrs* in dataset names represents the version, revision, and system maintenance level of the product.

Installation Overview

The steps needed for a successful installation are as follows:

Step	Description	Job Name
1	Restore the libraries from the installation tape	
2	Load (INPL) the SYSCOR application	CORI061
3	Load the configuration file and prepare SYSCOR	CORI050
4	Assemble the configuration module	CORI055
5	Add the Adabas System Coordinator to the Adabas clients	CORI060, CORI080x
6	Define the Adabas System Coordinator group and members	
7	Install the CICS node error program (optional)	
8	Create startup procedures for the Adabas System Coordinator member(s)	

System Programming Considerations

The Adabas System Coordinator daemon must execute at a higher priority than the TP monitors and jobs it coordinates.

Corrections for the Adabas System Coordinator will be distributed as zaps which are applied using the MSHP CORRECT facility. Before applying corrections you must define Adabas System Coordinator to MSHP with the MSHP ARCHIVE command. Here is a sample job to do this:

```
// JOB ARCHIVE ARCHIVE COORDINATOR
// OPTION LOG
// EXEC MSHP
ARCHIVE CORvrs
COMPRISES 9001-COR-00
RESOLVES 'SOFTWARE AG - SYSTEM COORDINATOR Vv.r'
ARCHIVE 9001-COR-00-vrs
RESIDENCE PRODUCT=CORvrs -
PRODUCTION=saglib.CORvrs -
GENERATION=saglib.CORvrs
/*
/ &
```

Installation Procedure

Following is the general Adabas System Coordinator installation procedure. The actual installation depends on your particular requirements and the specific contents of the release package provided by Software AG for your site. Information in the release package is intended for your system. If that information differs from the information in this section, use the release package information or contact Software AG technical support for assistance.

Step 1: Restore Libraries from the Installation Tape

Use the following sample JCS to restore the Adabas System Coordinator library. Modify the following variables to reflect the standards at your site:

Variable	Is the...
<i>cuu</i>	tape unit number
<i>ttttt</i>	volume serial number of the installation tape
<i>vrs</i>	version, revision, and system maintenance level
<i>xx</i>	file spacing information; see the Report of Tape Creation

```
* $$ JOB JNM=LIBREST,CLASS=O,DISP=D
* $$ LST CLASS=A,DISP=H
// JOB LIBREST
// ASSGN SYS006,cuu,VOL=tttttt
// ASSGN SYS005,IGN
// MTC REW,SYS006
// MTC FSF,SYS006,xx
// EXEC LIBR
RESTORE S=SAGLIB.CORvrs:SAGLIB.CORvrs -
TAPE=SYS006 TL=tttttt LIST=Y
/*
// MTC REW,SYS006
/&
* $$ EOJ
```

Note:

The library contains the kernel phase CORKRN, which must be available to the various databases, TP monitors, and batch jobs that will use Adabas System Coordinator.

Step 2: Load (INPL) the SYSCOR Application (Job I061)

Use sample job CORI061 to load the SYSCOR online administration and error messages file into Natural.

Step 3: Load the Configuration File and Prepare SYSCOR (Job I050)

Note:

If you are upgrading from version 7.1 of Adabas Vista or Adabas Fastpath, you can omit substep 1 below and use the existing configuration file. You must run the conversion program U1JPARM, located in the INPL file, to convert your existing job parameters.

To load the configuration file

1. Load the Adabas System Coordinator configuration file from the distribution tape using the standard Adabas load utility ADALOD. Use sample job CORI050.

- If you are using Natural Security, define SYSCOR and SYSMPVRS to Natural Security with MENU as the startup program name. Restrict the application to authorized personnel.
- Use the following parameter to define the Natural session where SYSCOR is to be used:

```
LFILE=(152,dbid,fnr<,passwd<,ciph>)
```

where *dbid* and *fnr* define the Adabas System Coordinator file.

Alternatively, assemble the Natural parameter module with:

```
NTFILE ,ID=152,DBID=dbid,FNR=fnr
```

Step 4: Assemble the Configuration Module (Job I055)

Adabas System Coordinator parameters are located in the configuration file. At job start, the Adabas System Coordinator needs to know the location of this file. This information is kept in the configuration module.

Create the configuration module by assembling the CORMCFG parameters defining the SVC, database, and file number of the Adabas System Coordinator configuration file.

Keyword	Description
SVC=	Your installation's Adabas SVC number
DBID=	Database number for the System Coordinator configuration file
FNR=	File number for the System Coordinator configuration file
SF148=WAIT	Use this keyword if you want client jobs to wait when the specified configuration file is not active. If you omit this keyword, default job parameters will be assumed for the job when the configuration file is not active.

Name the resulting load module CORCFG (this is required).

Use sample job CORI055.

Step 5: Add the System Coordinator to the Adabas Client (Jobs I060, I080x)

The Adabas System Coordinator client components are supplied as object files and are called CORS1*n* where *n* is a subsystem suffix.

The modified Adabas client (link module) is for use by client jobs only. Refer to the section Mandatory Use of Unmodified ADALNK.

Job Type	Stub Module	Sample Job
Batch/TSO	CORS11	CORI060
Com-plete	CORS12	CORI080C
CICS command level	CORS13	CORI080B

Step 6: Define a System Coordinator Group

Define a System Coordinator group and member(s). This is required if you intend to use:

- Adabas Fastpath
- clustered applications with dynamic transaction routing.

Job parameters for each product also contain settings that are relevant to the operation of the Adabas System Coordinator. For more information, see SYSCOR Administration.

Step 7: Install the CICS Node Error Program (Optional)

The node error program CORNEP is used by sites running CICS command-level applications in CICS for VSE/ESA or CICS Transaction Server for VSE/ESA. It is not an essential component, but it does improve efficiency when reclaiming memory after user sessions terminate.

CORNEP is started (with Transaction ID ANEP) from the real CICS node error program DFHZNEP. The source for DFHZNEP is supplied on the installation tape and can be installed without change. If you have your own DFHZNEP program already installed, you will need to implement the code for starting CORNEP into your own DFHZNEP.

Following are the required CICS resource definition parameters for CORNEP:

```
Language: Assembler
RESident: No
Datalocation: Any
EXECKey: User
```

Note:

To use CORNEP, assemble your Adabas link module with PARMTYP=ALL on the ADAGSET macro.

Step 8: Create Startup Procedures for the Adabas System Coordinator Daemon(s)

The following is a job example for running a Adabas System Coordinator daemon:

```
* ## JOB JNM=SYSC01,CLASS=5,DISP=D
* ## LST CLASS=A,DISP=D
* *****
// JOB SYSC01
* *****
* JOB TO RUN SYSCO: THE SYSTEM COORDINATOR *
* *****
// OPTION NOSYSDDUMP
// EXEC PROC=ADAVvLIB
// LIBDEF PHASE,SEARCH=(SAGLIB.CORvrs,SAGLIB.ADAvrs)
// EXEC SYSCO,SIZE=AUTO
PRODUCT=CAS
FORCE=NO
/*
* ***** JOB END SYSC01
/&
* ## EOJ
```

If SYSCO terminates abnormally, it may be necessary to specify `FORCE=YES` on restart.