Installation: Phase 1

Adabas Review can be installed in local mode in the Adabas address space, or a hub (server) located in its own address space with an interface (client) located in the address space of the Adabas being monitored. The procedures are the same except as noted.

Adabas Review is installed in two phases: this section of the documentation describes phase one, which comprises all the steps that are independent of any particular TP monitor environment.

To complete phase 1 of the installation, include all steps that apply to the type of installation you have chosen and follow them in order.

Phase 2, which comprises the steps that are specific to the TP monitor being used, is described in section *Installation (Phase 2)*.

This chapter covers the following topics:

- Install Adabas Review under Natural

- Install the Adabas Review Repository

- Install Adabas Review under Adabas

- Install the Adabas Review Hub

- Optional Installation Procedures

Note:
Instructions for copying the tape contents to disk are provided in *Copying the Tape Contents*.

Install Adabas Review under Natural

This section applies to both local and hub mode installations. It includes the following steps:

- Step 1. INPL Adabas Review

- Step 2. Create a Natural profile using the SYSPARM facility

- Step 3. Define Adabas Review to Natural Security

Step 1. INPL Adabas Review

Note:
There is no longer a SYSREV or SYSREVUP library. The entire application is now contained in the SYSREVDB library.

INPL the Adabas Review programs and DDMs from the INPL data set to your Natural system files.

You may use any of your site-dependent Natural INPL JCS. Sample job *REVINPL.X* is provided in the Adabas Review library.

Step 2. Create a Natural profile using the SYSPARM facility

▶ **To create a Natural profile using the SYSPARM facility:**

1. Include the following parameter settings in the Natural profile:

Parameter	Requirement
LS=250	minimum
PS=80	minimum
MADIO=5000	minimum
MAXCL=0	minimum
ESIZE=64	minimum
ADAPRM=ON	required in order to for Adabas Review to report on Natural information.
NTWORK(7),AM=PC	required for PC downloads. NTWORK is a Natural macro used to define the work file(s) to be used; 'AM' is the access method. For more information, see the Natural documentation.
NTPRINT(1)	Adabas Review uses Natural printer 1 to generate report display programs in the Natural source area. For more information, see the Natural documentation.

2. Add a Natural NTFILE definition for the physical database ID and file number of the Adabas Review repository file as follows:

```
   NTFILE   241,dbid,fnr
```

Replace *dbid* and *fnr* with the database ID and file number, respectively, of the Adabas Review repository.

Note:
The Adabas Review repository may not reside on a database with a database ID (DBID) of 255. If the database ID is 255, Adabas Review cannot be accessed in local or hub mode. However, a database with a DBID of 255 can send data to a hub.

3. Reassemble and link the NATPARM module to your Natural nucleus.

Step 3. Define Adabas Review to Natural Security

Note:
If the Adabas Review application SYSREVDB is made private (i.e., the parameter PEOPLE=Y is specified), each user of Adabas Review must be linked to the SYSREVDB application.

▶ **If Natural Security is installed, complete the following steps:**

1. Define the SYSREVDB library for the Adabas Review system.

2. Define the following Adabas Review DDMs to Natural Security as public DDMs:

```
REVIEW-Adabas-V431-CLOG
REVIEW-FNAT
REVIEW-Adabas-V431-SYSTEM
```

Install the Adabas Review Repository

This procedure applies to both local and hub mode installations.

The Adabas Review repository is a system file used for storing descriptions of interactive reports, target definitions, and for saving historical data accumulated by Adabas Review reports. Any Adabas file may be used to contain the Adabas Review repository. The corresponding file number should also be reflected in the NATPARMs used to invoke Adabas Review.

Hub mode only: The Adabas Review repository can be created on any database accessible to Natural. It does not need to be on a database that is monitored by the Adabas Review hub.

Notes:

1. The Adabas Review repository may not reside on a database with a database ID (DBID) of 255. If the database ID is 255, Adabas Review cannot be accessed in local or hub mode. However, a database with a DBID of 255 can send data to a hub.
2. To convert an Adabas Review version 4.3 or 4.4 repository to a version 4.5 repository, tailor and run the EXPAND3 job from the sample jobs library.

This section covers the following topics:

- Step 1. Modify the JCS for loading the Adabas Review repository

- Step 2. Load the Adabas Review repository file

- Step 3. Convert the repository file

- Step 4. Convert your history data

Step 1. Modify the JCS for loading the Adabas Review repository

Before submitting the job REVLOAD.X provided in the Adabas Review sublibrary, change

- the DATABASE=*dbid* parameter in the two ADARUN statements to reflect the DBID number of the database that will contain this file;

  Note:
  The Adabas Review repository may not reside on a database with a database ID (DBID) of 255. If the database ID is 255, Adabas Review cannot be accessed in local or hub mode. However, a database with a DBID of 255 can send data to a hub.

- the SVC=*svc* parameter of the same two ADARUN statements to reflect the number of the SVC used for the database defined in the above step; and

- the ADALOD LOAD FILE=*fnr* statement to reflect the number of the file that will contain the Adabas Review file.

Step 2. Load the Adabas Review repository file

Load the Adabas Review repository file using the job REVLOAD.X as modified in step 1.

Step 3. Convert the repository file

If you used the same repository file for a version of Adabas Review older than this release, use the EXPAND3 job in the JOBS library to convert the repository.

Step 4. Convert your history data

If you used the same repository file for a version of Adabas Review older than this release, Adabas Review 4.5 requires that you convert your history data prior to running any new reports in 4.5. For complete information on doing this, read *Migration from Previous Versions* .

Install Adabas Review under Adabas

To install Adabas Review under Adabas, complete the following steps:

- Step 1. Create Adabas Review-specific data sets

- Step 2. Modify the Adabas initialization parameters

- Step 3: Apply the required ZAPs

- Step 4: Modify the Adabas Startup JCS

- Step 5: Define Adabas Review to MSHP

Step 1. Create Adabas Review-specific data sets

Use the sample JCS member DBFILES.X in the Adabas Review sublibrary to create the data sets necessary to store autostarted report definitions, parameters, and the alternate history file.

▶ **To create Adabas Review-specific data sets:**

1. Modify DBFILES.X by replacing

s	with the current system maintenance level of Adabas Review
nnnn	with the starting track number for each step in the job
vvvvvv	with the tape volume serial number

2. Execute the modified DBFILES.X.

Step 2. Modify the Adabas initialization parameters

See the section *ADARUN Parameters* for information about the relevant ADARUN parameters.

Modify your existing Adabas ADARUN parameters to include the following:

- local mode only:

```
ADARUN REVIEW=LOCAL
```

- hub mode only for each database to be monitored by Adabas Review:

```
ADARUN REVIEW=hubid
ADARUN UEX5=user-exit (optional)
```

where *hubid* is the Adabas Review hub ID and UEX5 is optional. For more information, read *REVUEX5: Adabas Review Hub Event Handler (Adabas Exit 5)*.

Step 3: Apply the required ZAPs

Step 4: Modify the Adabas Startup JCS

This section describes how to modify the Adabas startup JCS for local mode and for hub mode.

Local Mode

▶ **To modify the Adabas startup JCS for local mode installations:**

1. Before you modify the Adabas startup JCS, you may need to increase the available GETVIS in the Adabas partition to accommodate Adabas Review. An increase of 500K is normal.

   RVUALT Considerations

   - RVUALT refers to the data set that contains the alternate history file. You may use the same data set you used for earlier versions.

   - If Adabas Review is installed on multiple databases, a RVUALT data set must be allocated for each database.

   - Refer to section *RVUALT History File* in *Operations* for RVUALT guidelines.

   RVUAUT1 and RVUAUT2 Considerations

   - RVUAUT1 and RVUAUT2 refer to the data sets that contain the report definitions for autostarted reports.

- You can use the distributed RVUAUT1 and RVUAUT2 files from earlier versions.

Note:
In a future release of Adabas Review, RVUAUT2 will no longer be supported. RVUAUT1 only will be used for autostarted reports.

To modify the startup JCS for local mode

1. Add the following statements to the Adabas startup JCS replacing

vrs	with the current version, revision, and system maintenance level of Adabas Review
vvvvvv	with the tape volume serial number

Note:
In Adabas Review, each logical unit (SYS number) is assigned to a specific Adabas Review function (see *Assigning Logical Units*). If these logical units conflict with the assignments made in the Adabas data container procedure or the nucleus startup JCS, we recommend you change the SYS number allocation for Adabas to a number range above 50 in a copied procedure for use by the Adabas Review Local Nucleus. The currently assigned logical units are as shown below:

```
//  ASSGN SYS005,IGN                    RVUPARM - batch parameters
//  ASSGN SYS007,DISK,VOL=vvvvvv,SHR    RVUAUT1, RVUAUT2, RVUFLD
//  ASSGN SYS008,DISK,VOL=vvvvvv,SHR    RVUALT - alt history file
//  ASSGN SYS020,SYSLST                 RVUPRT0 - printer
//  ASSGN SYS021,SYSLST                 RVUPRT1 - printer
//  ASSGN SYS022,SYSLST                 RVUPRT2 - printer
//  ASSGN SYS023,SYSLST                 RVUPRT3 - printer
//  ASSGN SYS041,DISK,VOL=vvvvvv,SHR    RVUCARD - GENCARD
//  ASSGN SYS006,DISK,VOL=vvvvvv,SHR    RVUEXI - operating env parameters
//  ASSGN SYS019,SYSLST                 RVUEXP - EXI parameters printer
*
//  DLBL RVUAUT1,'REVvrs.AUTO1',0
//  EXTENT SYS007,vvvvvv,1,0,nnnn,5
//  DLBL RVUAUT2,'REVvrs.AUTO2',0
//  EXTENT SYS007,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUCARD,'REVvrs.CARD.FILE',0
//  EXTENT SYS041,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUALT,'REVvrs.ALT.FILE',0
//  EXTENT SYS008,vvvvvv,1,0,nnnn,30
*
//  DLBL RVUEXI,'REVvrs.EXI.PARAMETERS',0
//  EXTENT SYS006,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUFLD,'REVvrs.USER.FIELDS',0
//  EXTENT SYS007,vvvvvv
```

2. Add the following statements to the Adabas startup JCS, replacing

vrs	with the current version, revision, and system maintenance level of Adabas Review
vvvvvv	with the tape volume serial number

Note:

In Adabas Review, each logical unit (SYS number) is assigned to a specific Adabas Review function
(see *Assigning Logical Units*). If these logical units conflict with the assignments made in the Adabas
data container procedure or the nucleus startup JCS, we recommend you change the SYS number
allocation for Adabas to a number range above 50 in a copied procedure for use by the Adabas Review
Local Nucleus. The currently assigned logical units are as shown below:

```
//  ASSGN SYS005,IGN                      RVUPARM - batch parameters
//  ASSGN SYS007,DISK,VOL=vvvvvv,SHR    RVUAUT1, RVUAUT2, RVUFLD
//  ASSGN SYS008,DISK,VOL=vvvvvv,SHR    RVUALT - alt history file
//  ASSGN SYS020,SYSLST              RVUPRT0 - printer
//  ASSGN SYS021,SYSLST              RVUPRT1 - printer
//  ASSGN SYS022,SYSLST              RVUPRT2 - printer
//  ASSGN SYS023,SYSLST              RVUPRT3 - printer
//  ASSGN SYS041,DISK,VOL=vvvvvv,SHR    RVUCARD - GENCARD
//  ASSGN SYS006,DISK,VOL=vvvvvv,SHR    RVUEXI - operating env parameters
//  ASSGN SYS019,SYSLST             RVUEXP - EXI parameters printer
*
//  DLBL RVUAUT1,'REVvrs.AUTO1',0
//  EXTENT SYS007,vvvvvv,1,0,nnnn,5
//  DLBL RVUAUT2,'REVvrs.AUTO2',0
//  EXTENT SYS007,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUCARD,'REVvrs.CARD.FILE',0
//  EXTENT SYS041,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUALT,'REVvrs.ALT.FILE',0
//  EXTENT SYS008,vvvvvv,1,0,nnnn,30
*
//  DLBL RVUEXI,'REVvrs.EXI.PARAMETERS',0
//  EXTENT SYS006,vvvvvv,1,0,nnnn,5
*
//  DLBL RVUFLD,'REVvrs.USER.FIELDS',0
//  EXTENT SYS007,vvvvvv
```

3. Modify the Adabas startup JCS to execute the Adabas Review procedure and add the Adabas Review
   sublibrary to the LIBDEF search chain.

Hub Mode: Interface Install

▶ To install the client interface in hub mode:

● Repeat the following substeps for each database to be monitored.

Each database to be monitored must use the same SVC as the Adabas Review hub.

If the Adabas Adarun parameter LOGCLEX=Y is specified to write the Adabas Review specific
Command Log Extension (CLEX) to the command log, the Adabas Review library must be available
in the client address space. If Adabas Review modules are not available, the warning message
ARVU20 is issued.

Step 5: Define Adabas Review to MSHP

Maintenance fixes are distributed in MSHP format. In order to apply these maintenance fixes, Adabas
Review must be defined to MSHP as a product/component using the MSHP ARCHIVE process.

Modify and run the sample job stream ARCHIVE.X in the Adabas Review sublibrary to define Adabas
Review to MSHP. Make sure you have specified the Adabas Review *and the Adabas library* in your
MSHP job which applies the fixes for Adabas Review. For example:

```
// LIBDEF OBJ,SEARCH=(SMALIB.REVvrs,SMALIB.ADAvrs),TEMP
```

Install the Adabas Review Hub

Complete the steps in this section to install the Adabas Review Hub.

- Step 1. Modify the sample JCS member HUBJCS.X

- Step 2. Start the HUBJCS job

Step 1. Modify the sample JCS member HUBJCS.X

▶ **When modifying the sample JCS member, be sure to:**

1. Correct any library names or file names.

2. Modify the ADARUN parameters:

    - Modify the ADARUN parameter REVIEW to reflect the TARGET ID you wish to use for the
      Adabas Review hub.

    - Modify the ADARUN parameter SVC to reflect the correct SVC number. This SVC must be the
      same as that used by the sending Adabas nuclei.

    The ADARUN parameters supplied in the sample JCL member HUBJCS.X are the only ones
    recognized for setting up the hub nucleus. See section *ADARUN Parameters* for information about
    these ADARUN parameters.

    Note:
    Software AG recommends that the dispatching priority of the Adabas Review hub be set higher than
    that of the sending Adabas nuclei.

3. Verify that the RVUALT DLBL statement refers to the data set that contains the alternate history
   file.

    The RVUALT or "alternate history" file is used to contain history information if Adabas Review is
    unable to access the Adabas Review repository. You may use the same RVUALT data set you used
    for earlier versions.

    Refer to section *Operations* for RVUALT guidelines.

4. Verify that the RVUAUT1 and RVUAUT2 DLBL statements refer to the data sets that contain the
   report definitions for autostarted reports.

    You can use the distributed RVUAUT1 and RVUAUT2 files from earlier versions.

    Note:
    The reports contained in the RVUAUTn files have a TARGET= parameter that specifies the database
    that the report will monitor. The default setting is TARGET=001. You may wish to change this

setting.

The RVUFLD DLBL statement refers to the data set that contains the user-defined field parameters.

Step 2. Start the HUBJCS job

Run the HUBJCS member you created in the previous step.

Optional Installation Procedures

Implement Support for Adabas Native SQL

From within Adabas Native SQL, use the global ADACALL statement with the LAST parameter to specify that the Adabas call will use the seventh parameter.

Refer to the *Adabas Native SQL Documentation*.

Implement Support for Reporting from Batch Natural

This (optional) step applies both to local and hub mode installations.

▶ **To report on Natural activity from a batch Natural job:**

- Modify and relink the Adabas link routine for batch/TSO as described in *Install Adabas Review under Batch*.