

Displaying SVC Lists and Target Objects

The databases monitored by Adabas Review are considered to be target objects. The monitored databases and the hub are running on an Adabas SVC or router.

A target object is defined to Adabas Review in a *target definition* using the ET command. A target definition provides Adabas Review with the essential characteristics of the object to be monitored.

Adabas Review uses the target definition of Adabas targets to generate INPUT cards for the Adabas Review processor. For the Adabas Review hub, you must specify the target ID of the hub.

- If a target definition cannot be found, the INPUT cards are generated using the definition of the default target (that is, target ID 00000).
- If the default target cannot be found, Adabas Review generates the INPUT cards using internal defaults.

Adabas Review provides three commands for SVCs and target objects:

Code	Function	Action
AA	Adabas Availability	Lists target objects for a particular SVC as well as session statistics.
AH	Available Hubs	Lists available Adabas Review hubs
ET	Edit Target Definitions	Used to create target definitions.
LT	List Target Definitions	Lists existing target definitions.

Note:

SVC information does not appear in BS2000 environments; BS2000 does not use SVCs.

This chapter covers the following topics:

- Reviewing Adabas Nucleus Targets and Session Statistics
- Listing and Selecting Adabas Review Hubs
- Creating a Target Definition
- Listing Target Definitions
- Editing an Existing Target Definition
- Deleting a Target Definition

Reviewing Adabas Nucleus Targets and Session Statistics

The Adabas Availability (AA) subsystem displays available targets associated with an Adabas supervisor call (SVC). Adabas Review maintains a list of possible SVC numbers as part of its target definition subsystem.

This section covers the following topics:

- Accessing the SVC List
- Displaying Targets Associated with an SVC or Router
- Displaying Adabas Nucleus Session Statistics

Accessing the SVC List

▶ To access a list of all the active Adabas SVCs known to Adabas Review:

- Enter the AA code on any command line.

```

02:51:48                A D A B A S  -  R E V I E W                2009-06-20
                        Available SVCs                            HUB=15690
                        Mark One SVC to be queried with 'X'

      SVC Targs      SVC Targs      SVC Targs      SVC Targs      SVC Targs
+-----+-----+-----+-----+-----+
! _ 201  1          _ 239  0
! _ 203  1          _ 240  0
! _ 205  0          _ 241  0
! _ 214  0          _ 242  0
! _ 220  0          _ 243  1
! _ 227  6          _ 244  0
! _ 229  0          _ 246  0
! _ 232  0          _ 247  0
! _ 233  0          _ 248  1
! _ 235  3          _ 249  7
! _ 236 12          _ 252  1
! _ 237  6          _ 254  0
+-----+-----+-----+-----+

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                                     Menu
    
```

The Active Adabas SVCs screen appears, where, for z/OS and z/VSE, the SVC is the supervisor call (SVC) number used for communications with the target object. The number of target objects assigned to that SVC is listed in the associated Num Targs field.

Note:

In BS2000 environments, this screen is not displayed. The user only has access to the router (IDTNAME) on which this application is running. Instead of displaying this screen, control is passed to the Available Targets screen.

Displaying Targets Associated with an SVC or Router

▶ To display a list of all targets known to a particular z/OS or z/VSE SVC number or to a BS2000 router:

- In z/OS and z/VSE environments, mark an SVC on the Active Adabas SVCs screen with an "X", and press ENTER.

Or:

In BS2000 environments, enter the AA command from any command line.

The Available Targets screen appears, listing targets using the selected SVC for communication. Scroll keys are provided. If more than one screen of objects exists, PF8 (+) scrolls the list forward and PF7 (-) scrolls the list backward.

Note:

The list of targets on this screen is the result of a direct query to the SVC and includes inactive targets and non-Adabas databases using that SVC.

```

02:52:52                A D A B A S  -  R E V I E W                2009-06-20
                        Available Targets                          HUB=15690
                        SVC 227

      DBID      NUCID      Prod   Class   Job Name   Job ID      Date      Time
+-----+-----+-----+-----+-----+-----+-----+-----+
!  _  11231     N/A      ADA    I      SCASUPDB  JOB24605   2009-06-16  15:51:55 !
!  _  19999     N/A      ADA    I      ATEXXMPM  JOB36900   2009-06-17  20:13:34 !
!  _  15640     N/A      ADA    I      SSWSUPDB  JOB57199   2009-06-19  20:15:20 !
!  _  7771      N/A      ADA    I      WTLATA    JOB57290   2009-06-19  20:36:35 !
!  _  15690     N/A      REV    I      SSWATAH   JOB57233   2009-06-19  20:18:21 !
!  _  15650     N/A      ADA    I      SSWATAN1  JOB57235   2009-06-19  20:18:26 !
!
!
!
!
!
!
+-----+-----+-----+-----+-----+-----+-----+-----+

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                -      +                               Menu
    
```

The following table describes each field on this screen:

Screen Field	Description
Class	The class of the target object. "I" represents an isolated target and "IC" represents an isolated cluster target. For all other targets, the value is blank.
Date	The date on which the target was started.
DBID	The ID of the target object.
Job ID	The ID of the job used to start the target.
Job Name	The name of the startup job for the target.
NUCID	The nucleus ID associated with the target.
Prod	The three-character product code of the target assigned to the SVC.
Time	The time at which the target was started.

Displaying Adabas Nucleus Session Statistics

To display statistics regarding an Adabas nucleus session:

1. In z/OS and z/VSE environments, mark an SVC on the Available SVCs screen with an "X", and press ENTER.

Or:

In BS2000 environments, enter the AA command from any command line.

The Available Targets screen appears, listing targets using the SVC for communication. Scroll keys are provided. If more than one screen of objects exists, PF8 (+) scrolls the list forward and PF7 (-) scrolls the list backward.

Note:

The list of targets on this screen is the result of a direct query to the SVC and includes inactive targets and non-Adabas databases using that SVC.

2. Mark an Adabas database target on the Available Targets screen with an "X", and press ENTER.

If a non-Adabas target is selected, an error message appears.

If an Adabas target is selected, the Adabas Availability screen appears displaying statistics about the Adabas nucleus session.

```

02:53:49                A D A B A S  -  R E V I E W                2012-04-25
                        ADABAS Availability

Pool / Queue           Length      MaxUsed  MaxPct          Various Statistics
+-----+-----+-----+-----+-----+-----+
! NAB (Atch Bfr)       65536      31232   47.6 ! ! Dbname          SSW-NATDB !
! NC  (Cmd Queue)     38400        192    0.5 ! ! Dbid            15640 !
! LFP (Fmat Pool)     12000     11680   97.3 ! ! SVC              227 !
! NH  (HoldQueue)    1400056     2380    0.1 ! ! Commands        147019 !
! LI  (ISN Table)     10000         0     0.0 ! ! IOs             105375 !
! LQ  (Seq Cmds)     5242880     448    0.0 ! ! Threads          5 !
! NU  (UserQueue)     35112     5544   15.7 ! ! Bffr Eff         52.5 !
! LWP (WorkPool)     1048576    67912    6.4 ! ! Bffr Flush       1291 !
+-----+-----+-----+-----+-----+-----+
! Fmat Ovwrt           33 !
! Fmat Trans           73 !
! Thread Sw           293244 !
! Throwbacks           0 !
+-----+-----+-----+-----+-----+
Component      Reads      Writes
+-----+-----+-----+
! Asso           1120      7894 !
! Data          17683     45039 !
! Work            3        33636 !
+-----+-----+-----+-----+

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                               Menu
    
```

The following table describes the statistics shown on this screen:

Screen Field	Displays
Pool/Queue	The names of the Adabas pools and queues.
Length	The length of the associated Adabas pool or queue.
MaxUsed	The maximum amount used of the associated Adabas pool or queue.
MaxPct	The percentage used of the associated Adabas pool or queue.
Dbname	The name of the database.
Dbid	The number of the database.
SVC	The SVC used to communicate with the database (z/OS and z/VSE environments only).
Commands	The number of commands processed against the database.
IOs	The number of I/O operations processed against the database.
Threads	The number of threads in use by the database.
Bffr Eff	The buffer efficiency of the database.
Bffr Flushes	The number of buffer flushes performed by the database.
Fmat Overwrites	The number of format overwrites performed by the database.
Fmat Trans	The number of format translations performed by the database.
Thread Sw	The number of thread switches performed by the database.
Throwbacks	The number of throwbacks performed by the database.
Component	The database component: Asso (Associator), Data (Data Storage), Work (Work area)
Reads	The number of reads performed by the associated database component.
Writes	The number of writes performed by the associated database component.

Listing and Selecting Adabas Review Hubs

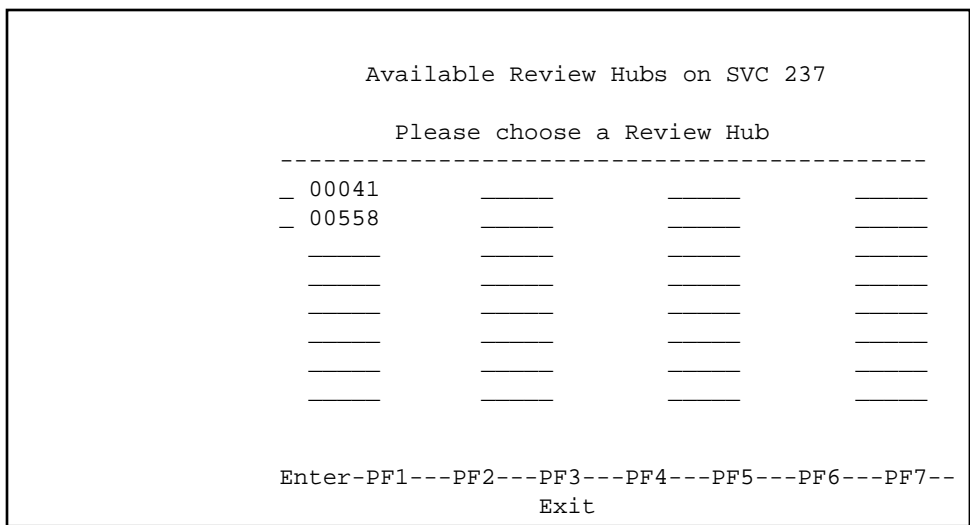
The Adabas Availability (AH) subsystem displays available Adabas Review hubs associated with an Adabas supervisor call (SVC).

This function only displays the available Adabas Review hubs which run on the default SVC that is specified in the ADALNK routine.

To access a list of all the Adabas Review hubs:

1. Enter the AH command on any command line.

A pop-up screen listing the available hubs on the selected z/OS or z/VSE SVC or BS2000 router appears.



Note:

In BS2000 environments, the text "on SVC *nnn*" does not display.

2. To select a hub, type any character next to the hub of your choice on the pop-up window and press ENTER. Then press PF3 to exit the pop-up window.

Creating a Target Definition

Target definitions are usually edited by the Adabas Review administrator because changes to database targets affect all users of Adabas Review.

Target definitions can be created, edited, listed, and purged. If target information is changed it will not immediately apply to the Adabas Review system. After the new parameter setting is saved into the Adabas Review repository file, it is also written to data sets identified by the RVUAUT1 and RVUAUT2 job control statements. When Adabas Review is next restarted, the new session parameters will apply.

If you are running in hub mode, the target ID of the Adabas Review hub must be specified and the parameter setting will be written to the data sets specified by the Adabas Review hub.

Note:

When using the online interface to maintain target definitions, only one target entry can be specified for each DBID, even if there are multiple SVCs with the same DBID.

 **To access the Edit Target screen:**

1. Enter the ET command on the command line and press ENTER.

The Edit Target screen appears as shown below:

```

02:54:32                A D A B A S  -  R E V I E W                2009-06-20
                        Edit Target                                HUB=15690

      Database Parameters                Numeric Delimiters
+-----+                               +-----+
!  Target DBID  ....  _____  !    !  Buffers-4K  ....  00200    !
!  Target SVC   ....  000          !    !  Buffers-32K  ....  00030    !
!  Target Version . 000          !    !  Files (VSE only) . 001    !
+-----+                               +-----+

                        Logging Options
+-----+
!  Target Name  .....  _____  !
!  REVIEW Commands .....  Y          (Y or N)  !
+-----+

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit           Save                               Menu
    
```

Note:

SVC information does not appear on this screen in BS2000 environments; BS2000 does not use SVCs.

The Edit Target screen displays three categories of input fields:

- Database Parameters to describe characteristics of the database;
- Numeric Delimiters to control record and buffer segment sizes; and
- Logging Options.

The Adabas Review intermediate buffer is used as a staging area to pass the command log records between the Adabas Review subtask and the attached Adabas Review processor in local mode, or between the Adabas Review client and server in hub mode. The parameters BUFFERS-4K and BUFFERS-32K in the Adabas Review INPUT statement control the size allocation. The value for these parameters are obtained from the database target definition.

The following table provides more detailed information about the input fields on the Edit Target screen. Default values are underlined>.

Database Parameters

Field	Value	Description
Target DBID (required)	<i>nnnnn</i>	The database ID of the target object. There is no default value.
Target SVC (required in z/OS and z/VSE environments)	<i>nnn <u>000</u></i>	The number of the SVC used to communicate with the target. This is not relevant in BS2000 environments.
Target Version	<i>nnn <u>000</u></i>	The version, release, and system maintenance level of the target. For example, for Adabas version 7.4 SP1, this field would contain the value 741.

Numeric Delimiters


Field	Value	Description
Buffers-4K	<i>nnnn</i>	Defines the number of buffer pool entries that have a length of 4096 or less. This parameter is usually specified along with the BUFFERS-32K parameter. The minimum value is 124.
Buffers-32K	<i>nnnn</i>	Defines the number of buffer pool entries that have a length of 4097 or greater. This parameter is usually specified along with the BUFFERS-4K parameter. The minimum value is 15.
Files (z/VSE only)	<i>nnn <u>001</u></i>	Specifies the number of command log files to be processed (used for GENCARD).

Logging Options

Field	Value	Description
Target Name	name	The name you use to identify the target database.
Review Commands	<u>Y</u> N	<p>Indicates whether commands issued by Adabas Review should be included in the command processing for all reports.</p> <p>Note: In hub mode, this then applies for all databases running with this hub.</p> <p>REVIEW-COMMANDS=NO indicates that special Adabas commands for Adabas Review (for example V4 commands) are not used for accounting and monitoring. To suppress RC commands issued from the SYSREVDDB application as well, set the Natural profile ADAPRM parameter ON (ADAPRM=ON).</p> <p>REVIEW-COMMANDS=YES indicates that these commands are used for accounting and monitoring.</p> <p>Note: Some fields might not be available for the commands supported by Adabas Review online system (V4 commands), especially when running in a hub environment. These fields include TP monitor fields, Natural fields, duration fields and buffer fields.</p>

Listing Target Definitions

The List Target Definitions (LT) command displays the existing target definitions that were created using the Edit Target (ET) command.

 **To display a list of target definitions**

1. Enter the code LT on the command line and press ENTER.

The Target Definitions screen appears, similar to the one shown below:

```

02:55:24                A D A B A S  -  R E V I E W                2009-06-20
                        Target Definitions                        HUB=15690

      Sel  DBID      Target Name                Ver      SVC      Review
      -----+-----+-----+-----+-----+-----+-----+
!  ___  00000  DEFAULT TARGET                813     227      Y      !
!  ___  15650  DATABASE-15650                813     227      Y      !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
!                                     !
+-----+-----+-----+-----+-----+-----+-----+

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---
      Help           Exit                -      +                               Menu
    
```

Note:

SVC information does not appear on this screen in BS2000 environments; BS2000 does not use SVCs.

The fields on the Target Definitions screen describe the targets as they are defined to the system. The following table describes the fields:

Field	Description
DBID	The database ID of the target object.
Target Name	The name assigned to the target by the user.
Ver	The version, revision, and system maintenance level of the target.
SVC	The number of the SVC used to communicate with the target. SVC information is not displayed and is not relevant in BS2000 environments.
Review Commands	Local mode only. Indicates whether the Adabas Review command processor includes commands issued by the Adabas Review online system in its reports. This is used if the Adabas Review processor is running as an Adabas subtask; that is, not in batch.

You may edit or purge target definitions from the Target Definitions screen.

 **To display the commands available for use from this screen**

1. Enter a ? on the selection line preceding a target definition and press ENTER.

Editing an Existing Target Definition

To edit an existing target definition:

1. Enter the ET command on the selection line preceding the target definition and press ENTER.
The Edit Target screen for that particular target is displayed.
2. Modify the definition by typing over the existing information.
3. Either press PF5 or enter SAVE on the command line and press ENTER.

Deleting a Target Definition

Target definitions may be deleted by using the PURGE command.

To delete a target definition

1. Enter the PT command on the selection line preceding the target definition and press ENTER.
2. Depending on your user profile, you may or may not be prompted to confirm the purge request.