

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.

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 Adabas Review reports that are autostarted (that is, started automatically when the database is initialized) or run in batch mode.

- 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. |

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.

Note:

For BS2000 operating systems, this function is not yet available.

This section covers the following topics:

- Accessing the SVC List
- Displaying Targets Associated with an SVC
- 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.

Displaying Targets Associated with an SVC

▶ **To display a list of all targets known to a particular SVC number:**

- Mark an SVC on the Active Adabas SVCs screen with an "X", and press ENTER.

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      SWSUPDB   JOB57199   2009-06-19  20:15:20 !
!  _  7771      N/A      ADA    I      WT1ATA    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. Mark an SVC on the Available SVCs screen with an "X", and press ENTER.

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                2009-06-20
                        ADABAS Availability

Pool / Queue           Length   MaxUsed   MaxPct           Various Statistics
+-----+-----+-----+-----+-----+-----+
! NAB (Attch Bffr)     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 Flushes    1291 !
+-----+-----+-----+-----+-----+
! Fmat Overwrites      33 !
Component   Reads   Writes   ! Fmat Trans      73 !
+-----+-----+-----+-----+
! Asso          1120     7894 ! ! Thread Sw      293244 !
! Data        17683    45039 ! ! Throwbacks      0 !
! 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. |
| 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. |

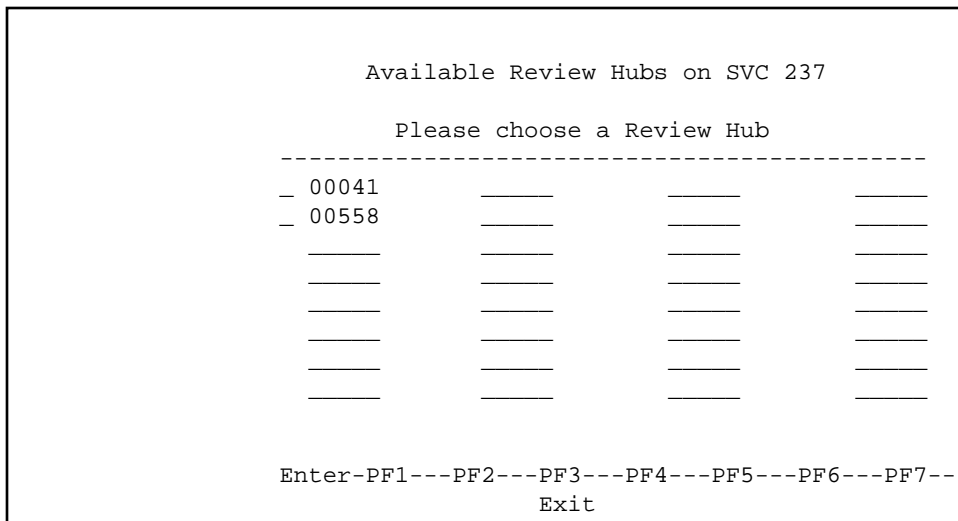
Listing and Selecting Adabas Review Hubs

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

 **To access a list of all the Adabas Review hubs associated with the selected SVC:**

1. Enter the AH command on any command line.

A pop-up screen listing the available hubs on the selected SVC appears.



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.

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

```

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) | <i>nnn <u>000</u></i> | The number of the SVC used to communicate with the target. |
| 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>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
    
```

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. |
| 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.