

# System Level Statistics

This option provides statistics at the database or daemon security service level.

Here is an example display for a database:

```

12:18:55  ***** A D A B A S   SAF SECURITY SERVICES 8.2.1 *****   2006-05-17
          - Database Level Statistics -                               A11000M1

          Database: 153__
          Buffer Size(k): 512           Address: 1B792000
          System initialized on: 2006-05-17 at: 10:53:01

SAF Statistics:
Authorization   Check (+ve)  Check (-ve)  Check Saved  Overwrites  Length
ADABAS (Normal)      106          1          10201691     0           17
ADABAS (Xlevel)     104          0           21           0           17

Active SAF Users: 8           Overwrites.: 0           Max.: 8
Free SAF Users...: 443       Allocations: 21

Cached File Area Statistics:
Address.....: 1B691148       High Water.: 1B692258     Max.Used.: 22
First Free...: 1B692328     Last Used...: 1B692258   Curr.Used: 22
Files/entry.: 10           Overwrites.: 0           Saved....: 10201672

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                               Menu

```

Here is an example display for a daemon security service (the Cached File Area Statistics section is not applicable):

```

09:41:26  ***** A D A B A S   SAF SECURITY SERVICES 8.2.1 *****   2011-03-04
          - Daemon Level Statistics -                               A11000M1

          Daemon: 10005
          Buffer Size(k): 512           Address: 2585F000
          System initialized on: 2011-03-04 at: 09:11:27

SAF Statistics:
Authorization   Check (+ve)  Check (-ve)  Check Saved  Overwrites  Length
ADABAS (Normal)      3            20          162           0           35
ADABAS (Xlevel)     0            0            0            0           26

Active SAF Users: 2           Overwrites.: 0           Max.: 2
Free SAF Users...: 305       Allocations: 2

Cached File Area Statistics:
Address.....: 00000000       High Water.: 00000000     Max.Used.: 0
First Free...: 00000000     Last Used...: 00000000   Curr.Used: 0
Files/entry.: 0           Overwrites.: 0           Saved....: 0

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                               Menu

```

The following information is provided:

<b>Field</b>	<b>Description</b>
Database/Daemon	The database or daemon number.
Buffer	The amount of storage (in kilobytes) to be used for caching user information related to the security system.  For more information, see the parameter <code>GWSIZE</code> .
Address	Address in memory of the SAF Server cache.
System initialized	Date and time system was last initialized.
<b>SAF Statistics:</b>	Effectiveness of the SAF Server cache. Shows information for normal and cross-level checks:
Authorization	Indicates type of authorization (normal or cross-level).
Check (+ve)	The number of successful authorizations against the external security system.
Check (-ve)	The number of failed authorizations against the external security system (access denied).
Check Saved	The number of times the SAF Server satisfied an authorization request from its cache, without calling the external security system.
Overwrites	The number of times the SAF Server had to overwrite a previously cached authorization request. If this number is high, consider increasing <code>DBNCU</code> and/or <code>NWNCU</code> .
Lngh	The length of the resource profile names.
Active SAF Users	The current number of active SAF users.
Overwrites	The number of active entries that had to be overwritten.
Max.	The maximum number of active SAF users.
Free SAF Users	The number of free user areas.
Allocations	The number of times a user area was allocated.
<b>Cached File Area Statistics</b>	Effectiveness of ADASAF's Cached File Area (CFA)
Address	Address in memory of the CFA.
High Water	The highest used address in the CFA.
Max Used	Maximum used CFA entries.
First Free	Address of first free CFA entry.
Last Used	Address of highest used CFA entry.
Curr Used	Current number of used CFA entries.
Files/entry	Number of files cached in each CFA entry.
Overwrites	The number of times ADASAF had to overwrite a previously cached file. If this number is high, consider increasing <code>MAXFILES</code> .

<b>Field</b>	<b>Description</b>
Saved	The total number of times ADASAF satisfied an authorization request without calling the SAF Server or the external security system.