

# **Adabas Auditing on z/OS**

## **Adabas Audit Data Viewer**

Version 2.3.2

October 2025

This document applies to Adabas Auditing for z/OS Version 2.3.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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# Adabas Audit Data Viewer

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This section provides information on how to use Adabas Audit Data Viewer (AAV).

<b>Introduction</b>	Provides a brief introduction to AAV and an overview of its components.
<b>Installation</b>	Describes how to install AAV.
<b>Login</b>	Describes how to run AAV and how to change the password.
<b>User Profile</b>	Describes the user profile options.
<b>Layouts</b>	Describes how to find a layout.
<b>Logs Searching</b>	Describes how to search the logs.
<b>Scheduled Reports</b>	Describes how to schedule the generation of reports for offline data.
<b>Error Messages</b>	Describes the error messages that may occur during the login process and while using the application.

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# 1

## About this Documentation

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## Document Conventions

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Convention	Description
<b>Bold</b>	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies:  Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies:  Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the   symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

## Online Information and Support

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### Product Documentation

You can find the product documentation on our documentation website at <https://documentation.softwareag.com>.

### Product Training

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- Download products, updates and fixes.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

## Data Protection

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Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.



## 2 Introduction

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Adabas Audit Data Viewer (AAV) is a web tool for auditors to view logs stored in connected databases. AAV allows you to filter data (based on specified search criteria) and display details of the data found.

AAV system consist of the following components:

- **Backend**

The part of AAV that is not visible to the user of the web browser. The backend supports operations such as login or searching data, based on search criteria provided via the web client. The backend is a part of the mainframe environment where the Adabas database is available.

- **Web client**

Frontend. The part of AAV that is visible to the user of a web browser after the user enters the AAV web address (URL).



# 3      Installation

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The Adabas Audit Data Viewer installation package is provided as a WAR file that is to be installed on a Java application server.

The tool has been tested with the following web browsers:

- Microsoft Edge Version 132.0.2957.140 (Official build) (64-bit)
- Google Chrome Version 133.0.6943.60 (Official Build) (64-bit)
- Firefox Version 128.7.0esr (64-bit)

To ensure proper and secure use of AAV, it is important to follow the installation and configuration instructions of the chosen Java application server. The Java application server should only be installed, configured and operated by a qualified system administrator.

Configuring secure TLS communication is recommended, but is not part of this documentation. For detailed information, see the documentation for your Java application server.

## Installation Requirements

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The following components must be installed:

- JDK (Java Development Kit) or JRE (Java Runtime Environment).
- Java application server.

## Installation Package

---

The AAV installation package consists of the following parts:

- **WAR file**  
Contains the AAV backend application that must be deployed on the Java application server.
- **Web application**  
Contains static files and can be deployed on any web server (including the Java application server).

## Configuration Process

- [AAV Backend Configuration](#)
- [AAV Frontend Configuration](#)

### AAV Backend Configuration

The backend configuration is stored in the *application.yml* file. The administrator can set the following parameters in the *application.yml* file:

#### 1. `bql.ssl`

Allows to enable SSL globally. Defines keystore and truststore paths and passwords. If set to `true`, the (absolute) paths to the keystore/truststore must be provided.

```
bql:
  ssl:
    enabled: true
    keystore:
      path:
      password:
    truststore:
      path:
      password:
```

#### 2. `endpoints`

- `ip`: IP address where the AAR subsystem can be reached (range: 10.0.0.0 - 10.255.255.255).
- `port`: port number of the AAR subsystem which is on the z/OS side and is defined by the `B97_TCPIP_PORT_AAV` parameter (range: 0 - 65535).
- `ssid`: AAR subsystem ID.
- `appl`: application identifier (`B97_AAV`).
- `ssl`: defines whether the SSL connection is to be used. If this parameter is set to `true`, it must also be enabled globally using the `bql.ssl` parameter. By default, it is set to `false`.

```
server:
  tomcat:
    basedir: tomcat
    accesslog:
      directory: logs
      enabled: true
      pattern: common
  endpoints:
    Adabas_Data_Viewer_Demo_System:
      ip:
      port:
```

```
ssid:  
aapl:  
demo:  
ip:  
port:  
ssid:  
aapl:  
ssl:
```

### 3. client: allowed-origins

Defines the URLs which can connect to the AAV backend. You can define the following values for this parameter:

- A list of allowed URLs, separated by a semicolon (;). For example:

```
client:  
  allowed-origins: "http://aav.server1.com;http://aav.server2.com"
```

- An asterisk (\*) to allow all URLs. It is recommended that you only use this for test purposes.

```
client:  
  allowed-origins: "*"
```

### 4. user: inactivity

Defines the time (in seconds) of user inactivity after which a user is automatically logged out of AAV.

```
user:  
  inactivity: 3600
```

### 5. folder: caching

This section of the *application.yml* file allows you to improve the system performance by enabling the “folder tree caching mechanism”:

- **interval**: the time after which the list of database folders is updated with the latest data.
- **enabled (true/false)**: enables/disables the caching mechanism.
- **limit**: determines the maximum number of user sessions for which the caching mechanism is enabled. This parameter protects against overuse of server resources.

#### Example:

If the number of users exceeds a set value, then the last logged-in users take over the resources of the first ones.



```
folder:
  caching:
    interval: 300
    enabled: true
    limit: 50
```

## AAV Frontend Configuration

The configuration must be changed depending on how the frontend files are served. The frontend configuration is available in the *config.js* file in the *frontend* directory. This file contains information about the AAV backend (WAR) URL and the base path where the frontend is served. These values are from the user's perspective, so the URLs and paths configured here are the publicly accessible URLs as typed in browser's address bar, not local file system paths.

### ■ Setting the API endpoint

`API_URL` defines the path or URL at which the API server is accessible. The URL can be relative if the backend is hosted on the same domain or absolute if server is hosted on another domain. When the AAV backend server is served from another domain, ensure that CORS is properly configured so that it can be accessed.

For example, if the frontend is available at *yourserver.com/aav* and the backend server is on the same domain at *yourserver.com/aav-api*, then set the `API_URL` variable as shown below:

```
window.config = {
  // ...
  API_URL: '/aav-api',
  // ...
};
```

If the backend is on a different domain, set `API_URL` to a full URL as shown below:

```
window.config = {
  // ...
  API_URL: '//api.yourserver.com/aav',
  // ...
};
```

### ■ Setting the base path of the web app

`BASE_PATH` defines the path where the AAV web app is available on your domain. By default, it is assumed to be available in the root directory (/). If it is installed in a subdirectory, you must change the configuration as described below. If it is available at *yourserver.com/aav*, then set this value to `/aav`:

```
window.config = {  
  // ...  
  BASE_PATH: '/aav',  
  // ...  
};
```

In addition, you must also update the *index.html* file with the new path. Replace `<base href="/" />` with the following:

```
<base href="/aav/" />
```

The path must end with a slash (/) character.

### ■ Configuring routing

The AAV web app uses browser-side routing (HTML5 history). For this to work, your web server must serve *index.html* at paths that do not exist. The AAV web app comes with a `WEB-INF` directory that redirects all invalid paths to *index.html*, which should work with most Java application servers.

## Example of a Minimal Configuration in Tomcat

---

1. If not installed, install the Java Development Kit (JDK) or Java Runtime Environment (JRE).
2. If not installed, install Tomcat v.8.0+.

Links:

- JDK installation: <https://www.oracle.com/de/java/technologies/downloads/#java21>
- Tomcat installation: <https://tomcat.apache.org/download-10.cgi>



**Note:** During the installation process, make sure that the versions of Java and Tomcat (32-bit or 64-bit) match the operating system installed on the target computer.

3. Put the files from the AAV installation package in the Tomcat root folder (`path_to_tomcat/`).



**Note:** The AAV installation package for Tomcat contains the additional file *context.patch*. This file contains information about the updates that should be made to the *context.xml* file. You can update the *context.xml* file manually (described in the next step) or automatically (by executing the *context.patch* file).

4. Enable or disable the use of the SSL connection using the `bql.ssl` parameter.
5. Define the endpoints:
  - Update the *context.xml* file with the path to the *application.yml* file:

```
<Context>
...
  <Parameter name="spring.config.location" value="path_to_application.yml"/>
...
</Context>
```

- Define the endpoints in the *application.yml* file. For example:

```
endpoints:
Adabas_Data_Viewer_Demo_System:
  ip: "10.56.83.100"
  port: 49728
  ssid: "A700"
  appl: "B97_AAV"
```

- **ip:** IP address where the AAR subsystem can be reached (range: 10.0.0.0 – 10.255.255.255).
- **port:** port number of the AAR subsystem which is on the z/OS side and is defined by the B97\_TCPIP\_PORT\_AAV parameter (range: 0 - 65535).
- **ssid:** AAR subsystem ID.
- **appl:** application identifier (B97\_AAV).
- **ssl:** if true, SSL-based connection to the AAR subsystem is enabled.



**Note:** If at least one endpoint has `ssl` set to `true`, then `bql.ssl` needs to be configured as well (see also [AAV Backend Configuration](#)), otherwise the application will not start and an error will appear saying that some endpoints are defined to use SSL, but it is disabled globally (via the `bql.ssl.enabled` option).

6. In the *conf/application.yml* file, configure a `client allowed-origins`.

This defines the URLs which can connect to the AAV backend. You can define the following values for this parameter:

- A list of allowed URLs, separated by a semicolon (;). For example:

```
client:
  allowed-origins: "http://aav.server1.com;http://aav.server2.com"
```

- An asterisk (\*) to allow all URLs. It is recommended that you only use this for test purposes.

```
client:
  allowed-origins: "*"

```

7. In the *conf/application.yml* file, configure a user session inactivity parameter.

For example, if the user is to be logged out after 3600 seconds of inactivity:

```
user:
  inactivity: 3600

```

8. In the *conf/application.yml* file, configure a folder caching parameter.

This section of the *conf/application.yml* file allows you to improve the system performance by enabling the “folder tree caching mechanism”:

- **interval**: the time after which the list of database folders is updated with the latest data.
- **enabled (true/false)**: enables/disables the caching mechanism.
- **limit**: determines the maximum number of user sessions for which the caching mechanism is enabled. This parameter protects against overuse of a server resources.

**Example:**

If the number of users exceeds a set value, then the last logged-in users take over the resources of the first ones.

```
folder:
  caching:
    interval: 300
    enabled: true
    limit: 50

```

9. Start Tomcat (if Tomcat was installed in step 2) or restart Tomcat.
10. Configure the *config.js* of the AAV web application.

Depending on the release contents:

- If the release package directory contains the page directory and *app.war* file (pre 1.0):

Set **API\_URL** to **/app** and **BASE\_PATH** to **/page** in *config.js*:

```
window.config = {  
  API_URL: '/app',  
  BASE_PATH: '/page',  
};
```

And replace `<base href="/" />` in *index.html* with the following:

```
<base href="/page/" />
```

- If the release package *webapps* directory contains the *aav* directory and the *aav-api.war* file (starting with v1.0):

Set `API_URL` to `/aav-api` and `BASE_PATH` to `/aav` in *config.js*:

```
window.config = {  
  API_URL: '/aav-api',  
  BASE_PATH: '/aav',  
};
```

And replace `<base href="/" />` in *index.html* with the following:

```
<base href="/aav/" />
```

11. To configure the secured TLS connection, refer to <https://tomcat.apache.org/tomcat-10.0-doc/ssl-howto.html>.



# 4 Login

---

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## Running AAV

---

1. Enter the AAV web address (URL) in one of the supported web browsers (see [Installation](#)).

The AAV login screen appears:

### Log in to your account

Endpoint

Select endpoint ▼

Username

Password

☒ Remember me

[Change password](#)

Login

2. Specify the following in the login screen:

- Select an endpoint.
- Enter your username (RACF user account).



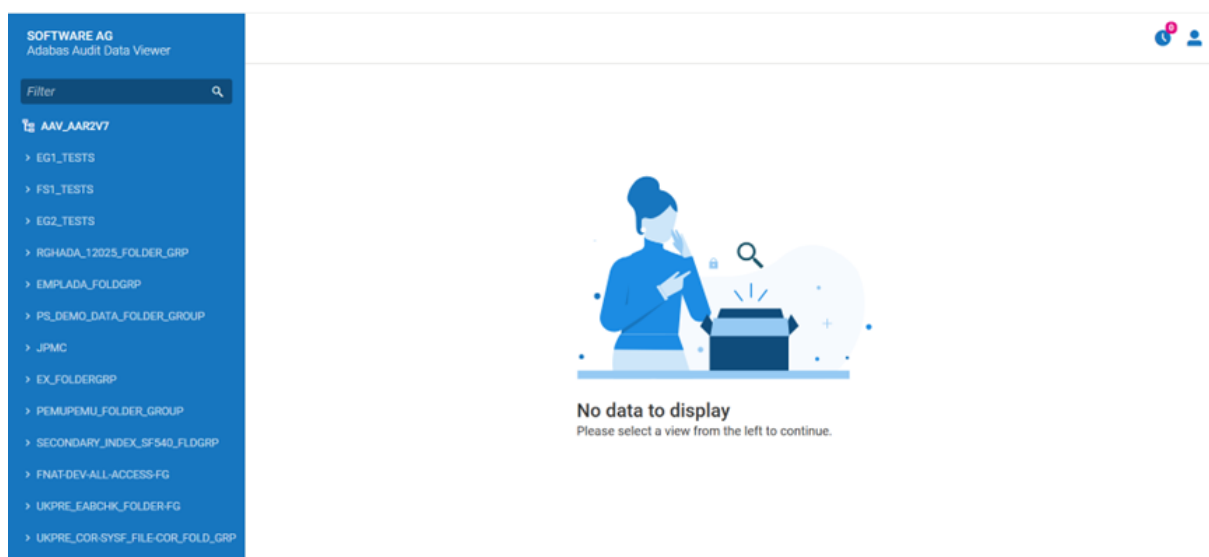
**Note:** RACF (Resource Access Control Facility) is the software whose main functions are related to access control management, such as identifying and verifying users by their RACF login and corresponding password, maintaining access rights to protected resources, identifying and managing protected resources.

- Enter your password.

3. Click the **Login** button.

If the login details are correct, the main screen appears where you can perform further actions (described in the next chapters).





If the login details are not correct, an error screen appears informing you that your username and/or password are invalid.

If the login attempt was made from a different network than the one where the server is running, an error screen appears informing you that AAV could not connect to the server.

## Changing the Password

1. In the login screen, click **Change password**.

The following screen appears:

## < Change password

Endpoint

Select endpoint

Username

user1

Old password



New password



Confirm new password



Change

2. Do the following:
  - Enter the old password.
  - Enter the new password.
  - Confirm the new password by entering it once more.
3. Click the **Change** button to save the new password.

## 5 User Profile

---

The right side of the main screen displays the following icon which allows you to access the user profile:



When you click this icon, the following is shown:

- **Username**  
Displays the name of the user who is currently logged in.
- **Settings**  
When you click **Settings**, the following screen appears:

## Settings



### Pooling time [seconds]

Defines interval in seconds at which the scheduled reports are updated.

### Date format



Date format used in search forms and for results.

Changing this value may re-run current query.

### List size limit

Limit of lists shown.

☒ Hide all disabled (greyed out) fields

Show or hide all greyed-out fields which cannot be filled.

You can specify the following settings:

- **Pooling time:** the interval in seconds at which scheduled reports are updated.
- **Date format:** the date format used in search forms and for results. Changing this setting may cause the current query to be rerun.
- **List size limit:** the maximum number of lists displayed in the search result.
- **Hide all disabled (greyed out) fields:** when selected, fields that cannot be edited are not displayed.

Click the **Save** button to save your changes.

### ■ Log out

If you click **Log out**, you are logged out of AAV.

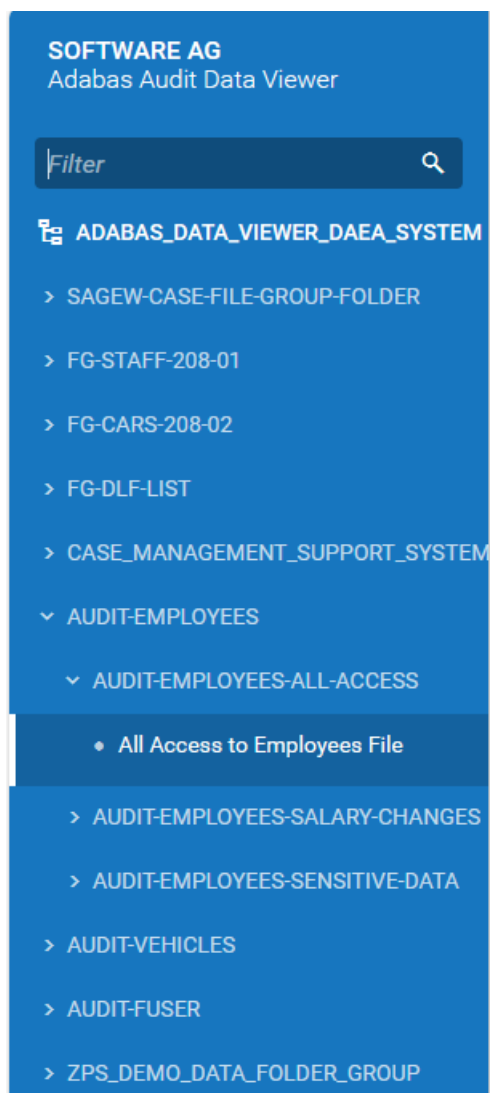
## 6 Layouts

---

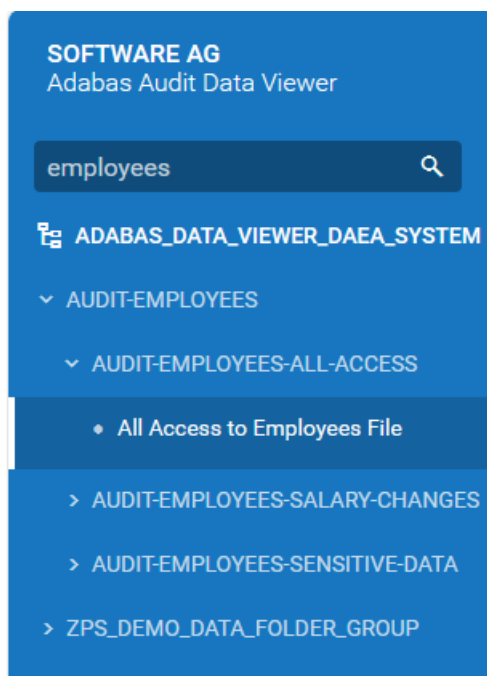
The left side of the main screen displays the layouts, organized as a folder structure of tree elements. The list of layouts and their contents depends on the databases connected to AAV.

To select a layout, do one of the following:

- Expand the tree and then click the layout that you want to use. For example:



- Use the filter field at the top to find layouts with specific names. You can then expand the tree and click the layout that you want to use. For example:



When you click a layout, the **Search** screen is displayed where you can add search criteria. See [Logs Searching](#) for detailed information.





# 7

## Logs Searching

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Logs are searched based on the selected layout and by adding additional search criteria. The available search criteria may be different for different layouts and depend on the connected database.

## Searching the Logs

---

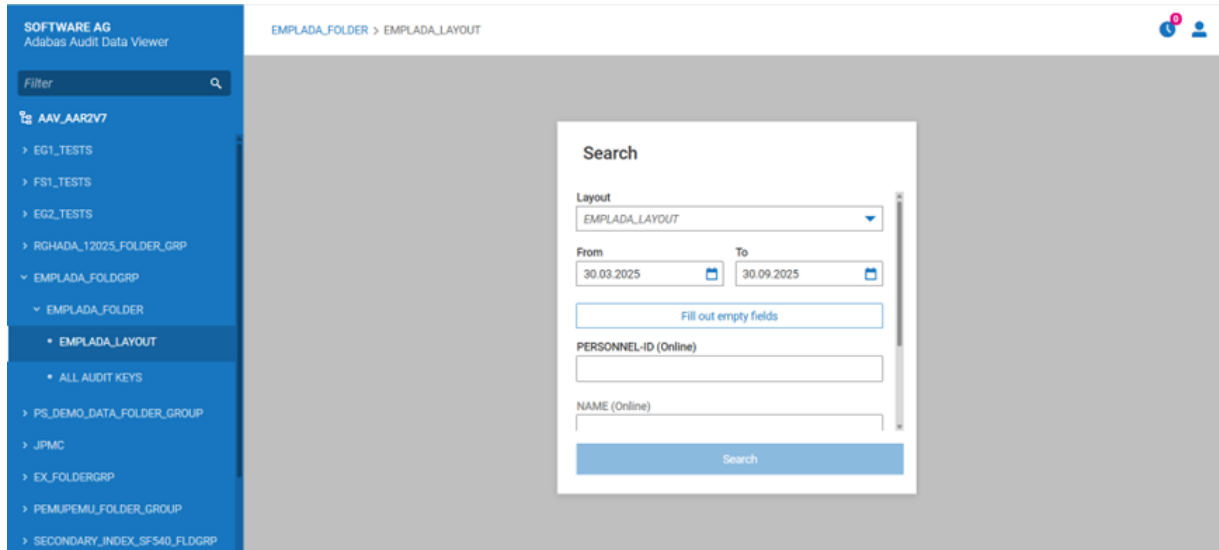
1. Click the layout on the left side of the main screen.

A **Search** screen is displayed where you can add additional search criteria. The search criteria are different for each layout.

Compare the following two example screens:

The screenshot shows the 'SOFTWARE AG Adabas Audit Data Viewer' interface. On the left is a blue sidebar with a 'Filter' search bar and a tree view of folders. The selected folder is 'PS\_EMPLOYEES\_FOLDER' > 'ALL EMPLOYEES DATA'. The main area has a header 'PS\_EMPLOYEES\_FOLDER > ALL EMPLOYEES DATA' and a user icon. A 'Search' dialog box is open in the center. It contains a 'Layout' dropdown set to 'ALL EMPLOYEES DATA', 'From' and 'To' date pickers set to '30.03.2025' and '30.09.2025' respectively, a 'Fill out empty fields' button, and input fields for 'PERSONNEL\_ID (Online)' and 'FIRST\_NAME (Online)'. A 'Search' button is at the bottom of the dialog.

The following screen displays different search criteria than the screen above.



2. If you want to use a layout other than the one that is currently selected, either
  - select the layout from the tree on the left side of the main screen, or
  - select the layout from **Layout** drop-down of the **Search** screen (if more than one layout is available).
3. Add the search criteria.



#### Notes:

- a. To perform a search, you must add at least one additional search criterion besides the **From** and **To** dates.
  - b. From the initial search, the fields that are not greyed out are global audit keys and must contain a value to be searched for. This value may contain an asterisk (\*) for alphanumeric fields.
  - c. Global audit keys in the initial search screen must not contain double quotes (") or apostrophes (').
4. Click the **Search** button to display the search result. For example:

SOFTWARE AG  
Adabas Audit Data Viewer

Filter

AAV\_AAR2V7

EG1\_TESTS

FS1\_TESTS

EG2\_TESTS

RGHADA\_12025\_FOLDER\_GRP

EMPLADA\_FOLDGRP

EMPLADA\_FOLDER

EMPLADA\_LAYOUT

ALL AUDIT KEYS

PS\_DEMO\_DATA\_FOLDER\_GROUP

JIPAC

EX\_FOLDERGRP

PEMUPEMU\_FOLDER\_GROUP

SECONDARY\_INDEX\_SF540\_FLDGRP

EMPLADA\_FOLDER > EEMPLADA\_LAYOUT > First results

EMPLADA\_LAYOUT

☐

Subscription Name

☐

View Name

☐

Audit File

☐

Processing Date

☐

Title

☐

Job Name

☐

Processing Time

☐

Job ID

☐

Member

☐

Dataset Name

☐

EMPLADA

☐

EMPLADA

☐

EMPLADA

☐

2023-10-25

☐

THIS IS A TITLE FOR OUR LIST

☐

B97RDR00

☐

00:15:07:45

☐

J0300227


☐

ADABAS.QA.AA

Found 1 candidates.

Edit search

Refine search →

 **Note:** If nothing matching your search criteria is found, a message is displayed indicating that there is no data for your search criteria. You can then click the **Edit search** button to display the **Search** screen again.

5. To reload the search result, for example, after an update of the list size limit (see [User Profile](#)), click the refresh icon:



6. To set the height of the rows and select the columns to be displayed in the search result, click the settings icon:



Select the desired row height.

Row height

☐

 Small

☒

 Medium

☐

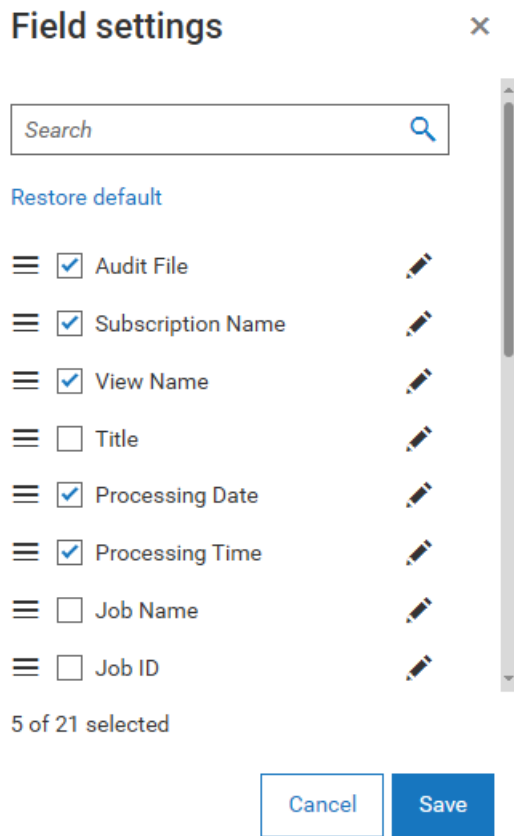
 Large

☐

 X-Large

Select columns

To define, rename or reorder the columns that are to be displayed in the search result, click **Select columns**. This displays the following:



The image shows a 'Field settings' dialog box with a search bar at the top containing the word 'Search' and a magnifying glass icon. Below the search bar is a 'Restore default' link. A list of fields follows, each with a move icon (three horizontal lines), a checkbox, the field name, and an edit icon (pencil). The fields are: Audit File (checked), Subscription Name (checked), View Name (checked), Title (unchecked), Processing Date (checked), Processing Time (checked), Job Name (unchecked), and Job ID (unchecked). A vertical scrollbar is on the right. At the bottom, it says '5 of 21 selected' and has 'Cancel' and 'Save' buttons.

Field	Selected	Edit
Audit File	<input checked="" type="checkbox"/>	
Subscription Name	<input checked="" type="checkbox"/>	
View Name	<input checked="" type="checkbox"/>	
Title	<input type="checkbox"/>	
Processing Date	<input checked="" type="checkbox"/>	
Processing Time	<input checked="" type="checkbox"/>	
Job Name	<input type="checkbox"/>	
Job ID	<input type="checkbox"/>	

5 of 21 selected

Cancel Save

Select the check box for each column that is to be displayed in the search result.

To rename a column, click the pencil icon. Type a new name and press Enter, or click the save icon that is shown next to the new name.

To move a column to a different position, drag the move icon (displayed to the left of the check box) to the desired position.

Click the **Save** button to save your changes.

- To find results that match your search, enter text in the Filter field (shown next to the settings icon).
- To change the search criteria, click the **Edit search** button at the bottom of the screen to display the **Search** screen again (see the description above).

# Refining the Search

1. To refine the search result, select the check boxes for one or more search results. For example:

EG1\_AT1EABTJ > EG1-MULTICL-BLO > First results

< EG1-MULTICL-BLO

Filter

<input type="checkbox"/>	Subscription Name	View Name	Audit File	Processing Date	Title	Job Name	Processing Time	Job ID	Member	Dataset Name
<input checked="" type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:25:43:51	J0409469		EDGLEG1.STMP.CLOG
<input checked="" type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:26:36:79	J0409469		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-15	EG1-MULTICL-LST	EG1ATA3J	16:40:45:45	J0104894		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-15	EG1-MULTICL-LST	EG1ATA3J	16:41:36:17	J0104894		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	B97RDR02	18:55:57:62	J0305013		EDGLEG1.SAAR2.CLO
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	B97RDR02	18:57:24:99	J0305021		EDGLEG1.SAAR2.CLO
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	20:37:24:88	J0305822		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	20:38:21:44	J0305822		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	21:44:12:43	J0306586		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	21:45:07:44	J0306586		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	23:34:21:89	J0308097		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-04-17	EG1-MULTICL-LST	EG1ATA3J	23:35:17:53	J0308097		EDGLEG1.STMP.CLOG
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-06-24	EG1-MULTICL-LST	B97RDR02	17:49:50:42	J0105609		EDGLEG1.SAAR2.CLO
<input type="checkbox"/>	EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2024-06-24	EG1-MULTICL-LST	B97RDR02	18:11:16:85	J0105735		EDGLEG1.SAAR2.CLO

Edit search

Found 20 candidates.

Refine search

2. Click the **Refine search** button at the bottom of the screen.

3. The **Refine search** screen appears. For example:

## Refine search ×

Layout

EG1-MULTICL-BLO ▼

Fill out empty fields

FEMP-AA (Online)

\*

FEMP-AC (Online)

FEMP-AE (Online)

Search

#### 4. Add more search criteria.

At this point it is possible to start a new search. This can be done by changing the layout.

The following applies if the **Hide all disabled (greyed out) fields** check box is selected (see also [User Profile](#)): if one or more audit files are selected, only the fields that can be filled in are displayed.

Only the fields that you fill in will appear in the refined search result. For example, if you add search criteria only in the **PERSONNEL-ID** field, then only that field will be displayed.

- Click the **Search** button to display the refined search result. For example:

Browse EG1-MULTICL-BLO hits									
Items: 400									
Subscription Name	View Name	Audit File	Processing Date	Title	Job Name	Processing Time	Job ID	Member	Dataset Name
EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:25:43:51	J0409469		EDGLEG1.\$TMP.CLOG
EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:26:36:79	J0409469		EDGLEG1.\$TMP.CLOG



**Note:** If a field for which you enter search criteria shows **Offline** next to its name, the refined search result is not immediately shown. An additional screen is displayed instead, see [Scheduled Reports](#) for detailed information.

- To view the details of a specific list from the refined search result, click the list to expand it.

<

Browse EG1-MULTICL-BLO hits

Items: 400

Edit search

Subscription Name	View Name	Audit File	Processing Date	Title	Job Name	Processing Time	Job ID	Member	Dataset Name
<div>&lt;</div> EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:25:43:51	J0409469		EDGLEG1.\$TMP.CLOG
<div>&gt;</div> EG1-MULTICL	EMPLOYEES_FILE	EMPLFNR1	2022-12-15	EG1-MULTICL-LST	EG1ATA3J	22:26:36:79	J0409469		EDGLEG1.\$TMP.CLOG
Item	FEMP-AA								
1	50005800								
2	50005800								
3	B0005800								



**View item - Read record** Prev [1 / 200] Next X

Data	ACBX info	Client info	FBUF
------	-----------	-------------	------

[Download](#)

Info

adabasInternalSequenceNumber	1
summary	Read record
userid	000498E8856200004040404040404000FB3800C1F0F0F100000000
auditid	DC8F48086B377812
description	Read record of specified ISN
securitySystemUserId	EDGL
adabasFileNumber	1
subscriptionName	MULTICL

For items related to Update record type records, the updated Adabas fields are highlighted to make it easier to find what was changed.

**View item - Update record** Prev [2 / 200] Next X

<	Data before image	Data after image	ACBX info	Client info	>
---	-------------------	------------------	-----------	-------------	---

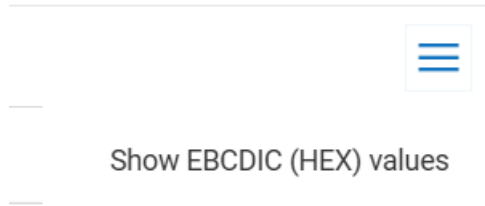
[Download](#)

Info

Data

Name	Full name	Data
AA	AA-FIELD	B0005800 <b>UPDATE</b>
AC	AC-FIELD	SIMONE
AE	AE-FIELD	ADAM

Additionally, you can click on the three lines on the right side of the screen, approximately halfway down the screen. This allows you to toggle on and off the option to see the data in EBCDIC format:



After toggling on, the EBCDIC values appear to right of the **Data** column. The 0x indicates that the data is EBCDIC.

View item - Update record Prev [2 / 200] Next X

< Data before image Data after image ACBX info Client info >

[Download](#)

Name	Full name	Data	
AA	AA-FIELD	B0005800 UPDATE	0xC2F0F0F0F5F8F0F0
AC	AC-FIELD	SIMONE	0xE2C9D4D6D5C5
AE	AE-FIELD	ADAM	0xC1C4C1D4
AD	AD-FIELD		0x40

Depending on your selection, the following tabs can be displayed in this view:

- **Data:** relevant for commands that are not updates (A1).
- **Data before image:** only relevant for update and delete commands (A1/E1).
- **Data after image:** only relevant for update, delete and insert commands (A1/E1/N1).
- **ACBX info:** always available.
- **Client info:** always available.
- **FBUF:** available for commands that include a format buffer and the subscription definition includes FB set to Y in the associated command type. See also *Step 4. Add Source Files and related parameters to the Subscription Definition in Adabas Auditing Configuration (SYSALA)*.

Click **Download report** to download the search result for the selected list. The report can be downloaded in one of these formats:

- ALOG format
- JSON format
- CSV format

Click the **Edit search** button next to the settings icon if you want to return to the **Refine search** screen.

## Possible Settings for Log Searching

AAV Documentation	IGR Display after "I"	Online Option D.2			Explanation
AAV	AAR				
AAV Documentation	IGR-Display ("I" online Option 1)	Data Dictionary (Online Option D.2) Table IGR			Explanation
		Field	Long Name	Comment:	Details:
Audit File	Form	FORM	FORM	FORM NAME	Name of the processed data
Subscription Name	Extension	EXT	EXTENSION	EXTENSION NAME	Name of the processed data extension
View Name	Report	REPORT			
Title	textstring	LTITLE	LIST_TITLE	LIST OR REPORT TITLE	User's description of the processed data
Processing Date	Date	B97DATE	B97_READER_INPUT_DATE	B97 READER INPUT DATE	Read-in date of the processed data
Processing Time	Time	B97TIME	B97_READER_INPUT_TIME	B97 READER INPUT TIME	Read-in time of the processed data
Job Name	Jobname	SRCJOBN	SOURCE_JOBNAME	SOURCE JOBNAME	Batchjob name of the mainframe that read-in the processed data
Job ID	Jobid	SRCJOBI	SOURCE_JOB_JESID	SOURCE JOB JES-ID	JES-ID of the batchjob that read-in the processed data

AAV Documentation	IGR Display after "I"		Online Option D.2			Explanation
AAV	AAR					
AAV Documentation	IGR-Display ("I" online Option 1)	Data Dictionary (Online Option D.2) Table IGR			Explanation	
		Field	Long Name	Comment:	Details:	
Member	Member	SRCMEMBR	SOURCE_IMPORT_MEMBER	MEMBER NAME - IMPORT	Membername if an Import was done from a PDS/library	
Dataset Name	Dataset Name	SRCDSN	SOURCE_DATASET_NAME	SOURCE DATASETNAME	Name of the imported PS,PDS or read-in JESSPOOL dataset	
Submit User	Submit User	SRCSUBU	SOURCE_SUBMIT_USER	SOURCE SUBMIT USER-ID	Submitter of the batchjob that read-in the processed data	
Submit Date	Submit Date	SRCSUBD	SOURCE_SUBMIT_DATE	SOURCE SUBMIT DATE	Date of the submission	
Submit Time	Submit Time	SRCSUBT	SOURCE_SUBMIT_TIME	SOURCE SUBMIT TIME	Time of the submission	
Line Count	Lines	SRCLNCZ	SOURCE_NUMBER_OF_LINES	NUMBER OF LINES	Number of lines in the processed dataset	
Layout Group					Name of the Layout Group	
Online Retention Period	Online Retention	ONLRETPD	ONLINE_RETENTION_PERIOD	ONLINE_RETENTION_PERIOD	Online retention period of the processed data	
Index Retention Period	Index Retention	IDXRETPD	INDEX_RETENTION_PERIOD	INDEX_RETENTION_PERIOD	Online retention period of the generated index	

AAV Documentation	IGR Display after "I"		Online Option D.2			Explanation
AAV	AAR					
AAV Documentation	IGR-Display ("I" online Option 1)	Data Dictionary (Online Option D.2) Table IGR				Explanation
		Field	Long Name	Comment:	Details:	
Archive Expiration Date	Archive Expiration Date	AEXPDT	ARCHIVE_LIST_EXPDT	ARCHIVE EXPIRATION DATE	Archive expiration date of the archived	
Audit Data Online		IGRONLNE	IGR_ONLINE (Y/N)	LIST IS ONLINE YES/NO	The process data is online YES or NO	
Index Data Online		IDXONLNE	IDX_ONLINE (Y/N)	INDEX IS ONLINE (YES/NO)	The generated index is online YES or NO	
Tenant	Owner	OWNER	OWNER	OWNER	The ownerfield of the IGR	



## 8 Scheduled Reports

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You can schedule the generation of reports for offline data, that is, data that is not immediately available, such as data stored on tape. The field names in the search screen indicate whether the corresponding data is online or offline. For example:

**Refine search** ×

Layout

All Access to Employees File ▼

PERSONNEL-ID (Online)

\*

NAME (Offline)

DEPARTMENT (Offline)

JOB-TITLE (Offline)

APPLICATION PROGRAM (Offline)

Search

If a field in the search screen shows **Offline** next to its name and you enter search criteria for this field, the following screen appears when you click the **Search** button.

**Scheduling report for All Access** ×  
**to Employees File**

Would you like to wait for the results or to schedule the process and view the results later?  
This can take several minutes, because the relevant data / index needs to be reloaded from the tape.

Scheduled report name

Report name

Cancel

Schedule

You can now schedule the report by entering a report name and clicking the **Schedule** button.

When you schedule a report, the clock icon on the right side of the main screen displays the number of scheduled reports. For example:



The report is available after the pooling time which is defined in the **user profile**. When the report is ready, the number on the clock icon turns green. Click the clock icon to see the name of your report in a list. For example:

Scheduled queries

✓ MyReport

×

Click the report name to display the refined search result. You can now proceed as described in [Refining the Search](#).

The report is not automatically deleted after you have viewed the search results. This must be done manually. To do so, click the clock icon and then:

- click the x icon to delete a single report, or



- click the trash can icon to delete all reports.



## 9 Error Messages

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The error messages are used to inform the user about problems that occurred while using the application.

The error messages related to the database are presented with an error code from the database.

AAV supports the following error messages:

- During the login process:

- Your username and/or password are invalid

Appears when an incorrect password or username is entered during the login process.

- Could not connect to server

Appears when attempting to connect from a network other than the server network.

- An unknown error occurred during login (xxx)

Appears when the server responds to AAV with one of the following error codes: 400 or 500. The error message in AAV contains a description of the error from the server (instead of "xxx").

- Server not reachable

Appears when AAV cannot reach the server. This can happen if one of the following occurs: the server is out of reach or the server is turned off.

- While using the application:

- Server not reachable

Appears when AAV cannot reach the server. This can happen if one of the following occurs: the server is out of reach, the server is turned off, or the connection to the server's network has been lost.

- Could not load the folders

Appears when AAV is unable to load folders into the tree element structure.

- Could not load the schema for the view

Appears when AAV does not receive a schema corresponding to the selected view during the global search (see also [Logs Searching](#)).

- Could not load the schema

Appears when AAV does not receive a schema corresponding to the selected view during the local search (see also [Logs Searching](#)).

- Could not load data

Appears when AAV does not receive data from the server that corresponds to the search criteria specified by the user.

- Could not load user's settings

Appears when AAV does not receive information from the server about the settings of the user who is currently logged in.

- Could not save user's settings

Appears when AAV is unable to save the user settings due to a server error.

- Could not load status of scheduled reports

Appears when AAV is unable to load the status of scheduled reports from the server.

- Index format is inconsistent. A Search is not possible on all selected lists. Uncheck list causing the trouble and retry operation

Appears due to an inconsistency in the data format.