

# **Adabas SAF Security**

## **Release Notes**

Version 8.3.1

October 2021

This document applies to Adabas SAF Security Version 8.3.1 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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## Table of Contents

|  |   |
|--|---|
| 1 About this Documentation .....                 | 1 |
| Document Conventions .....                       | 2 |
| Online Information and Support .....             | 2 |
| Data Protection .....                            | 3 |
| 2 Release Notes .....                            | 5 |
| New Features .....                               | 6 |
| Enhancements .....                               | 7 |
| Discontinued Support .....                       | 8 |
| Upgrading from Earlier Versions .....            | 9 |
| Documentation and Other Online Information ..... | 9 |



# 1

## About this Documentation

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|  |   |
|--|---|
| ■ Document Conventions .....           | 2 |
| ■ Online Information and Support ..... | 2 |
| ■ Data Protection .....                | 3 |

## 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:<br><br>Variables for which you must supply values specific to your own situation or environment.<br>New terms the first time they occur in the text.<br>References to other documentation sources. |
| Monospace font | Identifies:<br><br>Text you must type in.<br>Messages displayed by the system.<br>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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You can find documentation on the Software AG Documentation website at <https://documentation.softwareag.com>.

### Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to [empower@softwareag.com](mailto:empower@softwareag.com) with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at [https://empower.softwareag.com/public\\_directory.aspx](https://empower.softwareag.com/public_directory.aspx) and give us a call.

### **Software AG Tech Community**

You can find documentation and other technical information on the Software AG Tech Community website at <https://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have Tech Community credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

## **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 Release Notes

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|  |   |
|--|---|
| ■ New Features .....                               | 6 |
| ■ Enhancements .....                               | 7 |
| ■ Discontinued Support .....                       | 8 |
| ■ Upgrading from Earlier Versions .....            | 9 |
| ■ Documentation and Other Online Information ..... | 9 |

These Release Notes apply to Adabas SAF Security Version 8.3.1. Read this document carefully before installing and using this version of Adabas SAF Security.

Adabas SAF Security (ADASAF) provides protection of Adabas resources using standard security packages in a z/OS operating system environment based on the System Authorization Facility (SAF). These security packages include RACF, Top Secret, and ACF2.

|   |
|---|
| Prerequisites: See SAF Security Install documentation, section Prerequisites. |
| <a href="#">New Features</a>  |
| <a href="#">Enhancements</a>  |
| <a href="#">Discontinued Support</a>  |
| <a href="#">Upgrading from Earlier Versions</a>                               |
| <a href="#">Documentation and Other Online Information</a>                    |

## New Features

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This section provides an overview of new features for Adabas SAF Security Version 8.3.1

- [License File Requirements](#)
- [Adabas Manager and Entire Net-Work Administration Security](#)
- [Support for RACROUTE REQUEST=FASTAUTH](#)

### License File Requirements

Starting with version 8.3 SP1, Adabas SAF Security requires an associated license file for *Operation in the Adabas Nucleus* and *Operation in Entire Net-Work*.



**Note:** If the Adabas SAF Security license file is not available or erroneous, the job/started task may terminate.

For further information regarding the new license requirements, refer to the section *License*.

For installation information regarding the new license requirements, refer to the section *Installation Procedure*.

For general information on Adabas licensing procedures, license check software and license files, refer to the *Software AG Mainframe Product Licensing* topic in the *Adabas for Mainframes* documentation.

## Adabas Manager and Entire Net-Work Administration Security

Adabas SAF Security provides protection for Entire Net-Work administration functions ensuring unauthorized use of such functions is not permitted.

In previous versions of Adabas SAF Security, this protection was available for operator commands issued from the console and/or Entire Net-Work's Programmable Command Interface.

With version 8.3 SP1 of Adabas SAF Security, this protection is now available when Adabas Manager is used to perform Entire Net-Work administration.

For further information regarding the protection of Entire Net-work administration functions using Adabas SAF Security, refer to the section *Operation in Entire Net-Work*.

## Support for RACROUTE REQUEST=FASTAUTH

Adabas SAF Security can now be configured to perform its authorization checking using `RACROUTE REQUEST=FASTAUTH` instead of `RACROUTE REQUEST=AUTH`.

The use of `RACROUTE REQUEST=FASTAUTH` provides a fast path mechanism which enables the verification of access to resources that have security profiles brought into storage by the `RACROUTE REQUEST=LIST` macro service.

The use of `RACROUTE REQUEST=FASTAUTH` also reduces the number of security-related zIIP switches for Adabas nuclei and Entire Net-Work nodes running with `ADARUN ZIIP=YES`.

Refer to the `SAFCFG` parameters `DBCLASS` and `NWCLASS` for information on how to configure the use of this option.



**Note:** This new `FASTAUTH` feature requires Adabas Limited Library (WAL) version 8.5 SP3 or above.

## Enhancements

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Adabas SAF Security Version 8.3.1 incorporates all fixes to previous versions and provides the following enhancements.

- New `SAFCFG` parameter `ALLFILES=N/Y`

- Reduced zIIP switches when using DD SAFPRINT

### New SAFCFG parameter ALLFILES=N/Y

The new SAFCFG parameter `ALLFILES=N/Y` controls whether security checks, performed for each individual client session, are at the file level or at the database (“all files”) level.

`ALLFILES=N`, the default, has no effect on the current behavior of performing client session security checks and maintaining cache data and statistical information for each file accessed and updated.

`ALLFILES=Y` changes the current behavior so that client session security checks are performed only once at first file access and first file update. If the client session’s first file access/update is permitted, then all subsequent access/updates to other files are also permitted without the need to perform further security checks.

Refer to the SAFCFG configuration parameter `ALLFILES` for more information.



**Note:** The use of the new SAFCFG parameter `ALLFILES=N/Y` requires Adabas Limited Library (WAL) version 8.5 SP3 or above.

### Reduced zIIP switches when using DD SAFPRINT

The SAFCFG parameter `SAFPRINT` enables security check trace messages to be written to DD `SAFPRINT` instead of DD `DDPRINT`.

In the previous version, the use of DD `SAFPRINT` would result in an increase in zIIP switches for Adabas nuclei and Entire Net-work nodes running with `ADARUN ZIIP=YES`. With version 8.3, Adabas SAF Security now provides the same zIIP switching efficiencies with DD `SAFPRINT` as it does with DD `DDPRINT`.



**Note:** This zIIP switching optimization requires Adabas Limited Library (WAL) version 8.5 SP3 or above

## Discontinued Support

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None.

## Upgrading from Earlier Versions

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Refer to *Upgrading from Earlier Versions* in the main documentation for an overview regarding the upgrading of Adabas SAF Security.

## Documentation and Other Online Information

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The following online resources are available for you to obtain up-to-date information about your Software AG products:

- [Software AG Documentation Website](#)
- [Software AG TECHcommunity](#)
- [Software AG Empower Product Support Website](#)

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- Access articles, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

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To get information about fixes and to read early warnings, technical papers, and knowledge base articles, select Knowledge Center from the menu once you are logged in.