software AG

Entire Net-Work

Entire Net-Work 6.5 Release Notes

Version 6.5.2

April 2023

ADABAS & NATURAL

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1   Entire Net-Work 6.5 Release Notes

This document provides information on Entire Net-Work, Entire Net-Work for zIIP, a selectable unit of Entire Net-Work that enables Entire Net-Work to make use of IBM's zIIP engine and Entire Net-Work Light.

Entire Net-Work Light

This release includes Entire Net-Work Light. Entire Net-Work Light is a subset of Entire Net-Work (WCP) that has been optimized for client access to Adabas Databases on z/OS via TCP/IP using the Software AG XTS protocol. Entire Net-Work Light has product code WCT and is delivered with the WTC subcomponent.

Entire Net-Work Light supports Entire Net-Work for zIIP.

For more information, see Entire Net-work Light.

zIIP Support

Entire Net-Work for zIIP enables Entire Net-Work on z/OS to offload part of its workload from the mainframe's general central processors (GCP) to System z Integrated Information Processors (zIIP).

Offloading work from the GCPs will free up some of their capacity. This helps decrease the total cost of operation (TCO) of the GCPs and makes room for running additional workload on them. Furthermore, the use of Entire Net-Work for zIIP may result in performance benefits by increasing the throughput for certain workloads.

Entire Net-Work for zIIP supports the following Drivers:

- CTCA
- FCTC
- TCPI

- TCPX

- VTAM

- XCF

The SSL and SSLI Drivers do not currently support execution on zIIPs. You should also refer to the *Adabas for zIIP* documentation.

General Information

Read this document carefully before installing and using Entire Net-Work version 6.5. It covers the following topics:

Supported Operating System Platforms	Describes the currently supported operating environments for this version of Entire Net-Work.
Enhancements	Describes the enhancements made to Entire Net-Work for Version 6.5.
Installation and License	Describes where the Entire Net-Work 6.5 installation and license information for can be found.
Limitations and Restrictions	Lists the limitations and restrictions currently existing in this version of Entire Net-Work.
Applying Zaps	Describes general information on where to locate and how to apply Entire Net-Work zaps.
Software AG Mainframe Product Compatibility	Describes the compatibility of this version of Entire Net-Work with other Software AG mainframe products.
End of Maintenance	Describes how you can determine the end-of-support dates for your Software AG products.
Documentation and Other Online Information	Describes the documentation and other online information you can obtain for this release of Entire Net-Work.

In addition, if you elect to install the Entire Net-Work TCP/IP Option, please read *Entire Net-Work TCP/IP Option Release Information* as well.

For information regarding Software AG product compatibility with IBM platforms and any IBM requirements for Software AG products, please review the *Product Compatibility for IBM Platforms* web page.

Notation "*vr* SP *s*", *vrs*, or *vr*: When used in this documentation, the notation "*vr* SP *s*", *vrs*, or *vr* stands for the relevant version, release, and system maintenance level numbers. For further information on product versions, see *version* in the *Glossary*.

2   About this Documentation

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
`Monospace font`	Identifies service names and locations in the format *`folder.subfolder.service`*, APIs, Java classes, methods, properties.
`Italic`	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

Product Documentation

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

In addition, you can also access the cloud product documentation via **https://www.software-ag.cloud**. Navigate to the desired product and then, depending on your solution, go to "Developer Center", "User Center" or "Documentation".

Product Training

You can find helpful product training material on our Learning Portal at **https://knowledge.softwareag.com**.

Tech Community

You can collaborate with Software AG experts on our Tech Community website at **https://tech-community.softwareag.com**. From here you can, for example:

- Browse through our vast knowledge base.

- Ask questions and find answers in our discussion forums.

- Get the latest Software AG news and announcements.

- Explore our communities.

- Go to our public GitHub and Docker repositories at **https://github.com/softwareag** and **https://hub.docker.com/publishers/softwareag** and discover additional Software AG resources.

Product Support

Support for Software AG products is provided to licensed customers via our Empower Portal at **https://empower.softwareag.com**. Many services on this portal require that you have an account. If you do not yet have one, you can request it at **https://empower.softwareag.com/register**. Once you have an account, you can, for example:

- 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

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.

3 Supported Operating System Platforms

Software AG generally provides support for the operating system platform versions supported by their respective manufacturers; when an operating system platform provider stops supporting a version of an operating system, Software AG will stop supporting that version.

For information regarding Software AG product compatibility with IBM platforms and any IBM requirements for Software AG products, please review the *Product Compatibility for IBM Platforms* web page.

Before attempting to install this product, ensure that your host operating system is at the minimum required level. For information on the operating system platform versions supported by Software AG products, complete the following steps.

1. Access Software AG's Empower web site at *https://empower.softwareag.com*.

2. Log into Empower. Once you have logged in, you can expand **Products & Documentation** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability screen.

3. Use the fields on the top of this screen to filter its results for your Software AG product. When you click the **Search** button, the supported Software AG products that meet the filter criteria are listed in the table below the filter criteria.

   This list provides, by supported operating system platform:

   ■ the Software AG general availability (GA) date of the Software AG product;

   ■ the date the operating system platform is scheduled for retirement (OS Retirement);

   ■ the Software AG end-of-maintenance (EOM) date for the product; and

   ■ the Software AG end-of-sustained-support (EOSS) date for the product.

   > **Note:** Although it may be technically possible to run a new version of your Software AG product on an older operating system, Software AG cannot continue to support operating system versions that are no longer supported by the system's provider. If you have questions

about support, or if you plan to install this product on a release, version, or type of operating system other than one listed on the Product Version Availability screen described above, consult Software AG technical support to determine whether support is possible, and under what circumstances.

This release of the Event Replicator Target Adapter Administration tool is supported in Windows and Linux environments that also support Eclipse.

4 Enhancements

This chapter lists the Entire Net-Work 6.5 enhancements.

Category	Enhancements
Entire Net-Work 6.5 SP2 Enhancements	*Adabas Directory Server Enhancements*
	Adabas Manager Enhancements
	Minimum MLC Version
	Encryption for Entire Net-Work Discontinued
	License Check now only Validates High-Level Version
	Entire Net-Work TCP/IP Option License Required
	MLC Not Required for Entire Net-Work Administration or Entire Net-Work Limited Load
	Security-Related Enhancements
	New Entire Net-Work Operator Command Refresh
Entire Net-Work 6.5 SP1 Enhancements	*Adabas Directory Server Support*
	Adabas Manager Support
	ADATCP Enhancements
	New Simple Connection Line Driver (TCPX) DRIVER and LINK Parameters

Adabas Directory Server Enhancements

Enhancements have been made to the Adabas Directory Server (ADI) entries created by Entire Net-Work when ADI support is active. These include qualifiers that identify an ADATCP node, and a weight value. These parameters help the client application choose the best path to the database destination.

Adabas Manager Enhancements

Support for Adabas Manager (AMN) has been enhanced, including the ability to display and modify Entire Net-Work parameters. For more information, see the section *Adabas Manager* in the *Entire Net-Work Administration* and the *Adabas Manager* documentation.

Minimum MLC Version

MLC Version 1.3.5 or above is now required. If an invalid version of MLC is used, the message NETL010E: Error using MLC version older than V135 is issued and Entire Net-Work terminates. See also *Software AG Mainframe Product Licensing* for further details.

Encryption for Entire Net-Work Discontinued

The Encryption for Entire Net-Work (product code WSL) component of Entire Net-Work for z/OS is being discontinued. Encryption for Entire Net-Work Version 6.4.1 is the final release of Encryption for Entire Net-Work on z/OS.

The IBM product AT-TLS (Application Transparent-Transport Layer Security) is recommended as a replacement for Encryption for Entire Net-Work. AT-TLS is a component of the z/OS Communication Server and provides SSL/TLS connections directly in the z/OS TCP/IP stack. AT-TLS is compatible with Entire Net-Work TCP/IP connections and provides full SSL/TLS capabilities.

For more information on AT-TLS, see the IBM documents *z/OS Communications Server: IP Configuration Guide* and *z/OS Communications Server: IP Configuration Reference*.

For more information on AT-TLS usage with Entire Net-Work, see *Using Encryption for Entire Net-Work*.

License Check now only Validates High-Level Version

If the release or SM level of the license (less than or greater than) does not match the level running, the message MLC2003 The product license is not for WCP 6.5.1 is issued, the license is accepted, and Entire Net-Work continues.

Entire Net-Work TCP/IP Option License Required

Usage of the Entire Net-Work TCP/IP Option component (TCPI, TCPX drivers) now requires an Entire Net-Work TCP/IP Option license. This license is made available to the session either in a load module named WTCLIC or a DD statement with DDNAME DDLWTC.

This does not apply to the products Entire Net-Work Administration (WCA) or Entire Net-Work Limited Load (WDX).

MLC Not Required for Entire Net-Work Administration or Entire Net-Work Limited Load

If running with Entire Net-Work Administration (WCA) or Entire Net-Work Limited Load (WDX), the MLC library is no longer required, unless running with zIIP, which still requires a zIIP license file.

Security-Related Enhancements

With Entire Net-Work version 6.5 SP2, and in conjunction with Adabas SAF Security, the following security-related enhancements are now available:

- Protecting Entire Net-Work Start-up
- Protecting Entire Net-Work Administration Functions

Note: The pre-requisites for providing this protection are:

- Adabas version 8.5 SP2 or above

- Adabas Limited Library (WAL) version 8.5 SP2 or above

- Adabas SAF Security version 8.2 SP2 Patch level 2 or above

Protecting Entire Net-Work Start-up

Entire Net-Work start-up can now be protected by defining appropriate resource profiles denoting Target ID and SVC number.

Refer to the *Operations* section of the *Adabas SAF Security* documentation for more information on this topic including the format of the resource names used.

Protecting Entire Net-Work Administration Functions

Entire Net-Work administration functions can now be protected ensuring unauthorized use of such functions is not permitted.

For example, a user or group may be allowed to use the `DISPLAY` command to display current information about a network component but disallowed from using the `SET` command to dynamically change parameter settings.

Refer to the *Operations* section of the *Adabas SAF Security* documentation for more information on this topic including the list of applicable administration functions and the format of the resource names used.

This protection is available for operator commands issued from both the console and the Programmable Command Interface (PCI).

New Entire Net-Work Operator Command

With Entire Net-Work version 6.5 SP2 the `REFRESH` command is introduced:

- REFRESH Command

REFRESH Command

The REFRESH command updates Net-work's target table from the contents of the Adabas ID table on the same SVC as the Net-Work node. For more information see *REFRESH Command* in the section *Operator Commands Summary*.

> **Note:** The prerequisite for the usage of this operator command is WM652011.

Adabas Directory Server Support

This release introduces support for the Adabas Directory Server (ADI). The ADI allows applications to determine the location of their Adabas target, allowing direct access to a database without the call traveling through intermediate Net-work kernels. ADI communication is handled by the TCPX driver.

See *Adabas Directory Server Administration* and *TCPX DRIVER Statement* for details.

> **Note:** Fix WT651005 is required for partition support.

Adabas Manager Support

This release introduces support for Adabas Manager (AMN). ADI support must be active in order for the AMN client to communicate with the Net-work or ADATCP kernel. Communication with AMN is handled by the TCPX driver.

See *TCPX DRIVER Statement* for details.

ADATCP Enhancements

ADATCP is a subset of an Entire Net-Work kernel that runs as a subtask in an Adabas session. It provides direct communication with application programs, eliminating the need for intermediate Net-work kernels.

For direct communication with ADATCP, application programs running on Linux, UNIX or Windows platforms use Entire Net-Work Client (WCL). Mainframe application programs use a TCP/IP-enabled ADALNK, available starting with Adabas 8.5.1.

- New Prerequisites for ADATCP
- ADATCP and Adabas Directory Server
- New ADATCP Parameters
- ADATCP Robustness
- ADATCP and zIIP

New Prerequisites for ADATCP

Using Point-to-point support for Adabas (ADATCP) requires Entire Net-Work Version 6.5 SP1 or above and Entire Net-Work TCP/IP Option Version 6.5 SP1 or above.

A valid Entire Net-Work license is now required for ADATCP in addition to any Adabas licenses. Because the Adabas nucleus and the ADATCP kernel can both read DDLIC to obtain their license, it is recommended that the Entire Net-Work license be assembled into a load module. Entire Net-Work licensing requires MLC135 or above.

See *Software AG Mainframe Product Licensing* for more information.

ADATCP and Adabas Directory Server

ADATCP now works with the Adabas Directory Server (ADI). See *Adabas Directory Server Support* above.

New ADATCP Parameters

New parameters may be provided to ADATCP via the TCPIN DD statement. See *New Simple Connection Line Driver (TCPX) DRIVER and LINK Parameters* below for details.

ADATCP Robustness

Internal enhancements have been made to ADATCP to improve stability and robustness.

ADATCP and zIIP

ADATCP now runs in zIIP mode when the Adabas session has zIIP active.

New Simple Connection Line Driver (TCPX) DRIVER and LINK Parameters

The following table summarizes the new Simple Connection Line Driver (TCPX) DRIVER and LINK parameters introduced:

Parameter	DRIVER or LINK Statement?	New or Changed?	Description	Introduced in Release
ADI	DRIVER	New	This parameter was added to the TCPX line driver in this release. It specifies whether Adabas Directory Server (ADI) support is enabled or disabled.	6.5 SP1
ADIHOST	DRIVER	New	This new parameter specifies the hostname of the Adabas Directory Server (ADI). The hostname is used to attempt to acquire the TCP/IP address of the system where the ADI resides.	6.5 SP1
ADIPART	DRIVER	New	This new optional parameter specifies the partition name to be used with the Adabas Directory Server (ADI). If specified, the partition name will be included in all target entries added to the ADI by this session. Partitions are used to restrict database access; when an application queries the ADI for a target and specifies a partition, only entries with the same partition name are returned. Likewise, if the query does not specify a partition, only entries that do not have a partition are returned.	6.5 SP1
ADIPORT	DRIVER	New	This new parameter specifies the port number used to communicate with the Adabas Directory Server (ADI).	6.5 SP1
WCPPART	DRIVER	New	This new optional parameter is an alias of ADIPART and works in the same way as ADIPART.	6.5 SP1

For more information about TCPX DRIVER statement parameters, read *TCPX DRIVER Statement* in the *Entire Net-Work TCP/IP Option* documentation.

5   Installation and License

The Entire Net-Work 6.5 installation media contains all of the components required to run Entire Net-Work:

- The Entire Net-Work mainline processor and service routines, the VTAM and IUCV line driver components.
- The Adabas components required by Entire Net-Work.
- The Entire Net-Work CTC Option components, if ordered.
- The Entire Net-Work TCP/IP Option components, if ordered.
- The Entire Net-Work XCF Option components, if ordered.
- The Entire Net-Work SAF Security components, if ordered.

License Requirements

MLC Version 1.3.5 or higher is required. The license file is now checked for a valid version only; the release and SM level are no longer checked.

Installation Media Description

Refer to the *Software AG Product Delivery Report* that accompanies the installation media for information about the Entire Net-Work 6.5 installation media, including media density, media type, data sets, and data set sequence numbers. The online documentation describes the complete installation process. See the section *Entire Net-Work Installation* in the *Entire Net-Work Installation Guide*.

Product Code Description

The Entire Net-Work components are identified by the following product codes, which are used in the data set names on all Entire Net-Work installation media:

Product Code	Description
MLC	Software AG's common mainframe license check software.
WCP	Entire Net-Work mainline processor, service routines, and the VTAM and IUCV line drivers.
WAL	A set of Adabas components required to run Entire Net-Work. The WAL components are Adabas Version 8 for all platforms. Entire Net-Work requires the limited library modules to be at this level.
WCC	Entire Net-Work CTC Option (CTCA and FCTC line driver components)
WTC	Entire Net-Work TCP/IP Option (TCPI and TCPX line driver components)

Product Code	Description
WSL	Encryption for Entire Net-Work. Due to export restrictions, Encryption for Entire Net-Work is not included on the installation media. If you plan to use Encryption for Entire Net-Work in your enterprise, please contact your Software AG support representative.
WXF	Entire Net-Work XCF Option (XCF line driver components)
WAF	Entire Net-Work SAF Security (SAF Security Interface components)

Zaps Data Set

WCP65s.Z000 is a sequential data set that contains all zaps available and officially released at the time the data set was created. You will need to apply the WCP65s.Z000 data set (where s is the system maintenance level of the product) to the Entire Net-Work version 6.5 library immediately after loading the LOAD/TXTLIB/LOADLIB/PHASE library to disk and before executing any Entire Net-Work nucleus or utility.

The zap table is displayed *after* the line drivers have been initialized, but *before* license verification.

Optional zap table elements have the following format:

```
NETZOPT    Date yyyy-mm-dd, Version: vv.rr, SP ss, Base base-id
              Zaps  zapid zapid2
```

All other zap table elements have the following format:

```
NETWRK     Date yyyy-mm-dd, Version: vv.rr, SP ss, Base base-id
              Zaps  zapid1 zapid2
```

The following substitutions are used in these formats:

Substitution	Description
base-id	The ID of the base code to which the zap table element applies.
dd	The calendar date within the month fo the zap table element.
mm	The calendar year of the zap table element.
rr	The release number of Entire Net-Work to which the zap table element applies.
ss	The service pack number of Entire Net-Work to which the zap table element applies.
vv	The version number of Entire Net-Work to which the zap table element applies.
yyyy	The calendar year of the zap table element.
zapid	The zap IDs that could be applied to the base code.

Refer to the *Software AG Product Delivery Report* that accompanies your installation media for more information about the zaps data set and its sequence on the installation media.

6   Limitations and Restrictions

This chapter describes requirements and restrictions of Entire Net-Work for this release.

📄 **Notes:**

1. Entire Net-Work 6.5 SP1 is compatible with Entire Net-Work 6.4 SP1 nodes.

Adabas Components

Entire Net-Work 6.5 requires the Adabas 8 components supplied in Adabas Limited Load Library (WAL) and the SVC from Adabas 8.3.4 (or later) . However, before Entire Net-Work can function correctly, the most recent fix data set must be concatenated in front of the standard WAL load library.

Be sure your enterprise is running with the most current fix solution for WAL supported by Entire Net-Work 6.5, when available for that platform.

⚠️ **Important:** You should always use the most current Adabas load library or the Adabas limited library (WAL) as provided on the Entire Net-Work installation media, unless you have been specifically instructed otherwise by Software AG. Entire Net-Work Version 6.5 requires Adabas mainframe version 8.3.4 or later or WAL 8.3.4 or later.

TCP/IP Transport Providers Supported

Entire Net-Work 6.5 supports the following levels of TCP/IP transport providers:

Platform	TCP/IP Protocol Supported
z/OS	IBM TCP/IP for z/OS Version 1.10, 1.11, and 1.12.
z/VSE	IBM and Connectivity Systems TCP/IP z/VSE Version 4.2 and 4.3.
BS2000/OSD Sockets Subsystem	Sockets Version 2.0 and above. For Sockets 2.2 and above, the SOC6 subsystem will be used, otherwise the SOCKETS subsystem is used. When accessing via IPV6 addressing, a SOC6 subsystem with Sockets 2.5 is the minimum requirement.

7 Applying Zaps

> ⚠️ **Important:** Be sure that you apply all supplied Adabas maintenance and concatenate Adabas patch-level libraries (L00*n*), as they are delivered to you. This will ensure that your Adabas code remains up-to-date, supporting all Adabas features as they are enhanced and maintained. The latest zaps for this product are available in the Knowledge Center in Software AG's Empower (*https://empower.softwareag.com*) web site.

In general, zaps for Adabas components (such as Adabas nuclei, the Adabas router, Adabas utilities) can be applied and made active one component at a time.

- Adabas utility zaps should be applied to the load library. The utility can then be run or rerun to make use of the zap.

- Adabas nucleus zaps should first be applied to the load library. Then the nucleus should be stopped and restarted to activate the zap.

- Adabas router (on z/OS, ADASVC) zaps should first be applied to the load library. Then all Adabas nuclei and other MPM servers running on the router should be stopped and the router should be reinstalled to activate the zap. Finally, the Adabas nuclei and MPM servers should be restarted.

Finally, the distributed source library contains member ZAPOPT, which lists some optional zaps that you may choose to apply for the activation or deactivation of various features and optional user settings of Adabas. A ZAPOPT member will be included with each SM level distribution.

8 Software AG Mainframe Product Compatibility

The following table describes Entire Net-Work 6.5 compatibility with other Software AG mainframe products. You may need to upgrade your installation of the software if your existing release is not listed.

> **Note:** Any exceptions to the product compatibility described here will be covered in the documentation for the specific product.

Product	Compatible Version Levels and Notes
Adabas (ADA)	The version of the Adabas SVC or router (BS2000) used must be the same as or greater than the version of any Adabas database used in your Adabas environment. For example, the Adabas 8.5 SVC/router can be run in the same environment with Adabas 8.4 or 8.5 databases. However, an Adabas 8.5 database cannot run in the same environment with an Adabas 8.4 SVC/router. For any given database (on disk), the Adabas nucleus and utilities of the same version and release level as the database must be used. If you need to convert a database to a higher version or release level, or revert it to a lower version or release level, the ADACNV utility of the higher level must be used. The Adabas link (ADALNK) routines can be used across versions. For example, Adabas 8.5 link routines can be used to issue calls to Adabas 8.4 databases. Software AG recommends that you use the Adabas 8 link routines for all programs that issue Adabas direct calls.
Adabas Bridge for DL/I (ADL)	Version 2.3 SP2 supports Adabas 8.
Adabas Bridge for VSAM (AVB)	Version 5.1 SP1 releases on z/OS 2.1 support Adabas 8.5 databases that do not make use of the expanded features (for example, spanned records, increased limits, or large object fields) available since Adabas 8.3.
Adabas Caching Facility (ACF)	Version 8.5 supports Adabas 8.5 databases and requires the Adabas 8.5 load library, with appropriate Adabas 8.5 zaps applied.

Product	Compatible Version Levels and Notes
Adabas CICS Interface (ACI)	Version 8.5 supports Adabas 8.5 databases, with appropriate Adabas 8.5 zaps applied.
Adabas Cluster Services (ALS)	Version 8.5 supports Adabas 8.5 databases and requires the Adabas 8.5 load library, with appropriate Adabas 8.5 zaps applied.
Adabas Delta Save Facility (ADE)	Version 8.5 supports Adabas 8.5 databases and requires the Adabas 8.5 load library, with appropriate Adabas 8.5 zaps applied.
Adabas Fastpath (AFP)	The minimum supported level of Adabas Fastpath is version 8.2 SP2. For more information, refer to *Using COR-based Add-ons*, in the *Adabas Release Notes*.
Adabas IMS Interface (AII)	Version 8.5 supports Adabas 8.5 databases, with appropriate Adabas 8.5 zaps applied.
Adabas Native SQL (SQL)	Version 2.4 SP1 supports Adabas 8 databases that do not make use of the expanded features (for example, spanned records, increased limits, or large object fields) available in Adabas 8.
Adabas Online System (AOS)	Version 8.5 supports Adabas 8.5 databases, with appropriate Adabas 8.5 zaps applied.
Adabas Parallel Services (ASM)	Version 8.5 supports Adabas 8.5 databases and requires the Adabas 8.5 load library, with appropriate Adabas 8.5 zaps applied.
Adabas Review (REV)	Version 5.1 SP1 and above support Adabas 8.5. For more information, refer to your *Adabas Review* documentation.
Adabas SAF Security z/OS (AAF)	The minimum supported level of Adabas SAF Security is version 8.2 SP2. For more information, refer to *Using COR-based Add-ons*, in the *Adabas Release Notes*.
Adabas Statistics Facility (ASF)	Version 8 fully supports all Adabas databases 8.3 SP3 or above databases and expanded features.
Adabas SQL Gateway (ACE)	All currently supported versions of ACE support Adabas 8 databases. Please check the individual release notes for further information on which databases features are supported
Adabas System Coordinator (COR)	The minimum supported level of Adabas System Coordinator is version 8.2 SP2. For more information, refer to *Using COR-based Add-ons*, in the *Adabas Release Notes*.
Adabas Text Retrieval (TRS)	Version 2.1 SP4 works with Adabas 8.5 SP1 when the Adabas Text Retrieval 2.1 SP4 hyperdescriptor exit TRSHEX12 is enabled to run with the Version 8 interface by applying zaps TR21454 and TR21455. This hyperdescriptor exit will then only operate with Adabas Version 8. If you then want to run Adabas Text Retrieval 2.1 SP4 with an older Adabas version, you must either undo the zaps or use a copy of the hyperdescriptor exit where zaps TR21454 and TR21455 are not applied. If you do use TR21454 and TR21455, the following additional Adabas Text Retrieval fixes must be applied as prerequisite zaps: TR21420, TR21421, TR21422, TR21423 and TR21424. These zaps can be found in Empower. It is not necessary to use the Adabas Hyperdescriptor Exit Stub in conjunction with Adabas Text Retrieval.

Product	Compatible Version Levels and Notes
Adabas Transaction Manager (ATM)	The minimum supported level of Adabas Transaction Manager is version 8.2 SP2. For more information, refer to *Using COR-based Add-ons*, in the *Adabas Release Notes*.
Adabas Vista (AVI)	The minimum supported level of Adabas Vista is version 8.2 SP2. For more information, refer to *Using COR-based Add-ons*, in the *Adabas Release Notes*.
Data Archiving for Adabas (ADR)	Data Archiving for Adabas is compatible with all supported versions of Adabas in z/OS environments.
Entire Net-Work (WCP)	Version 6.3 and above fully support Adabas 8 databases and expanded features, as well as ACBX interface direct calls. **Note:** Using Point-to-point support for Adabas (ADATCP) requires Entire Net-Work Version 6.5 SP1 or above and Entire Net-Work TCP/IP Option Version 6.5 SP1 or above.
Entire System Server (NPR)	Entire System Server Version 3.5 and later versions fully support Adabas 8 databases and expanded features.
Event Replicator for Adabas (ARK)	Version 3.8 SP1 and above support Adabas 8.5. For more information, refer to your Event Replicator for Adabas documentation.
Natural (NAT)	Version 8.2 SP7 fully supports Adabas 8.5 databases and expanded features.
Predict (PRD)	Version 8.4 SP1 fully supports Adabas 8.5 databases and expanded features.
EntireX/webMethods EntireX (EXX)	All currently supported versions of EntireX support Adabas 8 databases. Please check the individual release notes for further information. **Note:** In order to work with the Adabas 8.5 SVC, certain EntireX fixes must be applied, depending on the EntireX version you are using. These are currently: EXX912L006, EXX910L015, EXX990L019 or EXX970L036. The latest product fixes are available under *Product Fixes* in the Knowledge Center in Software AG's Empower (*https://empower.softwareag.com*) web site.

9 End of Maintenance

For information on how long a product is supported by Software AG, access Software AG's Empower web site at *https://empower.softwareag.com*.

Log into Empower. Once you have logged in, you can expand **Products** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability application. This application allows you to review support information for specific products and releases.

10 Documentation and Other Online Information

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

Software AG Documentation Website

You can find documentation for all Software AG products on the Software AG Documentation website at *https://documentation.softwareag.com*. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts) or you can also use the TECHcommunity website to access the latest documentation.

Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at *http://techcommunity.softwareag.com*. You can:

■ Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest. If you already have TECHcommunity credentials, you can adjust your areas of interest on the TECHcommunity website by editing your TECHcommunity profile. To access documentation in the TECHcommunity once you are logged in, select **Documentation** from the **Communities** menu.

■ 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.

Software AG Empower Product Support Website

You can find product information on the Software AG Empower Product Support website at *https://empower.softwareag.com*. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts).

To submit feature/enhancement requests, get information about product availability, and download products and certified samples, select **Products & Documentation** from the menu once you are logged in.

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.