

Entire Net-Work Administration

Entire Net-Work Administration 6.4 Release Information

Version 6.4.1

October 2022

This document applies to Entire Net-Work Administration Version 6.4.1 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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1 Entire Net-Work Administration 6.4 Release Information

Entire Net-Work Administration is provided to allow various Adabas products to make calls to Adabas and Event Replicator Server databases residing on the mainframe . It communicates with Entire Net-Work Client components on open systems.

Entire Net-Work Administration 6.4 supports the new features of Adabas 8.4. Read this document carefully before installing and using Entire Net-Work Administration version 6.4. It covers the following topics:

<i>Supported Operating System Platforms</i>	Lists the currently supported operating environments for Entire Net-Work.
<i>Enhancements</i>	Describes the enhancements made to Entire Net-Work Administration for Version 6.4.
<i>Installation Media Information</i>	Describes the Entire Net-Work Administration 6.4 installation media.
<i>Requirements and Restrictions</i>	Lists requirements and restrictions of Entire Net-Work Administration 6.4.
<i>End of Maintenance</i>	Describes how you can determine the end-of-support dates for your Software AG products.
<i>Documentation and Other Online Information</i>	Describes the documentation and other online information you can obtain for this release of Entire Net-Work Administration.

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*", *vr*s, or *vr*: When used in this documentation, the notation "*vr* SP *s*", *vr*s, 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

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Document Conventions

Convention	Description
Bold	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

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

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■ Entire Net-Work 6.4 Operator Command Enhancements	10

This chapter lists the Entire Net-Work 6.4 enhancements.

Category	Enhancements
General	Adabas 8.3 ADARUN Parameter Enhancements
Entire Net-Work 6.4 SP1 Enhancements	Entire Net-Work 6.4 Operator Command Enhancements

Adabas 8.3 ADARUN Parameter Enhancements

This section describes the ADARUN Parameter enhancements made with Adabas for zIIP Version 8.3 SP5.

- [zIIP: Enable zIIP Usage](#)

For more information about any ADARUN parameter, read *Adabas Initialization (ADARUN Statement)* in the Adabas documentation.

zIIP: Enable zIIP Usage

This release introduces a new ADARUN parameter called `zIIP`. This parameter controls whether or not Adabas activates the selectable unit Adabas for zIIP (AZPAD). Valid values are YES or NO; NO is the default.

This parameter is valid for z/OS operating environments only.

For complete information about the `zIIP` parameter, read *zIIP Parameter: Activate Usage of Adabas for zIIP*.

Entire Net-Work 6.4 Operator Command Enhancements

This section describes the operator command enhancements made in Entire Net-Work Version 6.4.

- [DISPLAY STATS Command](#)
- [DISPLAY ZSTATS Command](#)
- [SET zIIP Command](#)
- [zIIP-Related Session Statistics](#)

- [Documentation Enhancements](#)

DISPLAY STATS Command

With Entire Net-Work Version 6.4, the `DISPLAY STATS` operator command also displays the current value of the `ZIIP` parameter, as well as zIIP-related statistics.

For more information, refer to the example for `DISPLAY STATS` in the description of the `DISPLAY` Command.

DISPLAY ZSTATS Command

With Entire Net-Work for zIIP Version 6.4, the `DISPLAY ZSTATS` operator command also displays the current value of the `ZIIP` parameter, as well as zIIP-related statistics.

For more information, refer to the example for `DISPLAY ZSTATS` in the description of the `DISPLAY` Command.

SET ZIIP Command

Entire Net-Work for zIIP Version 6.4, introduces the `SET ZIIP` operator command. Use this command to turn on or off the use of System z Integrated Information Processors (zIIP) in the Entire Net-Work kernel.

Issuing `SET ZIIP=YES` will tell the Entire Net-Work kernel to run in SRB mode whenever possible, enabling the use of zIIPs. Issuing `ZIIP=NO` will tell the Entire Net-Work kernel to always run in TCB mode, using only general processors.

The `ZIIP` operator command may only be used in an Entire Net-Work session that was started with `ADARUN` parameter `ZIIP=YES`.

For more information, refer to `SET ZIIP` Command.

zIIP-Related Session Statistics

Entire Net-Work for zIIP prints extensive statistics about its execution in SRB mode and TCB mode and about the CPU time consumed on System z Integrated Information Processors (zIIP) and general central processors (GCP), both at session termination and for the `DISPLAY STATS` operator command.

For details on the zIIP-related statistics, see the section *Monitoring zIIP Usage* in the new *Entire Net-Work for zIIP* documentation.

Documentation Enhancements

Information on the basic concepts around zIIP processing can be found in the new *Entire Net-Work for zIIP* documentation.

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Installation Media Information

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■ Product Code Description	14

The Entire Net-Work Administration 6.4 installation media contains all of these components:

- The Entire Net-Work mainline processor and service routines.
- The Adabas components required by Entire Net-Work.
- The Simple Connection Line Driver components.

Installation Media Description

Refer to the *Software AG Product Delivery Report* that accompanies the installation medium for information about the Entire Net-Work Administration 6.4 installation, 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:

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

Product Code	Description
MLC	Software AG's common mainframe license check software.
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.
WCL	Entire Net-Work Client components
WCA	Entire Net-Work mainline processor and service routines that communicate with Entire Net-Work Client components.
WSL	Encryption for Entire Net-Work. Due to export restrictions, Encryption for Entire Net-Work is not included on the installation medium. If you plan to use Encryption for Entire Net-Work in your enterprise, please contact your Software AG support representative.

6 Requirements and Restrictions

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This chapter describes the requirements and restrictions of Entire Net-Work Administration.



Note: Entire Net-Work 6.4 SP1 is compatible with Entire Net-Work 6.3 SP2 nodes.

Adabas Components

Entire Net-Work 6.4 requires the Adabas 8 components supplied in Adabas Limited Load Library (WAL) and the SVC from Adabas 8.2.2 (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 6.3, 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.

TCP/IP Transport Providers Supported

Entire Net-Work 6.3 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	<p>Sockets Version 2.0 and above.</p> <p>For Sockets 2.2 and above, the SOC6 subsystem will be used, otherwise the SOCKETS subsystem is used.</p> <p>When accessing via IPV6 addressing, a SOC6 subsystem with Sockets 2.5 is the minimum requirement.</p>

7 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.

8 Documentation and Other Online Information

■ Software AG Documentation Website	20
■ Software AG TECHcommunity	20
■ Software AG Empower Product Support Website	20

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 <http://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.

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