Entire Net-Work

Entire Net-Work 6.3 Release Notes

Version 6.3.2

April 2014

ADABAS & NATURAL

This document applies to Entire Net-Work Version 6.3.2 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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Table of Contents

1 Entire Net-Work 6.3 Release Notes

Read this document carefully before installing and using Entire Net-Work version 6.3. It covers the following topics:

Enhancements	Describes the enhancements made to Entire Net-Work for Version 6.3.
Important IBM Hardware Announcement	Describes changes in IBM support that may impact you and your use of Entire Net-Work.
Future Plans	Describes future plans for Entire Net-Work of which you should be aware.
Dropped Features	Describes components and support that has been dropped in this release.
Installation Media Information	Describes the Entire Net-Work 6.3 installation media.
Requirements and Restrictions	Lists requirements and restrictions of Entire Net-Work 6.3.
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

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at **http://documentation.softwareag.com**. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

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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.asp** and give us a call.

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.
- 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

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 Enhancements

This chapter lists the Entire Net-Work 6.3 enhancements.

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	DISPLAY TARGETS Command Output Order Changed
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Product Licenses Enforced

While a license was issued in past releases of Entire Net-Work, only warning messages were issued if license problems were encountered. With Entire Net-Work 6.3 SP2, these licenses are enforced and Entire Net-Work will terminate if:

- No license key is available or provided to Entire Net-Work;
- The license key provided has been manipulated;
- The product name in the license key does not match the product for which the license is being used; or
- The operating system in the license key does not match the operating system on which the license is being used, although changes in operating system version are not checked.

For complete information on licensing your Entire Net-Work software, read *Software AG Mainframe Product Licensing*, in the *Software AG Mainframe Product Licensing*, and your Entire Net-Work installation procedure, in the *Entire Net-Work Installation Guide*.

Support for IBM Socket Option TCP_NODELAY

Entire Net-Work 6.3 SP2 introduces support for the IBM socket option TCP_NODELAY. TCP_NODELAY indicates whether data sent over the socket is subject to the Nagle algorithm (RFC 896). For more information, refer to your IBM documentation.

Entire Net-Work 6.3 SP2 provides new TCPI and TCPX DRIVER and LINK parameters, called NODELAY, used to indicate whether the IBM socket option TCP_NODELAY is enabled or disabled for a link.

Note: The setting of this parameter is only effective if the API parameter is also set to "OES" or "HPS."

For more information about TCPI DRIVER and LINK statement parameters, read *TCP/IP DRIVER Statement* and *TCP/IP LINK Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*. For more information about TCPX DRIVER and LINK statement parameters, read *TCPX DRIVER Statement* and *TCPX LINK Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*.

DISPLAY CQ Command: Command Queue Display Support

Entire Net-Work 6.3 SP2 introduces support that allows you to display all posted command queue elements (CQEs) using a new DISPLAY CQ command. DISPLAY CQ displays information about each CQE, including command code, database and file number, buffer length, sequence number, age, job name, user ID, and status.

For more information, read *DISPLAY CQ Example*, in the *Entire Net-Work Reference Guide*.

DISPLAY CQE Command: Command Queue Detail Display Support

Entire Net-Work 6.3 SP2 introduces support that allows you to display detailed information about a specific command queue element (CQE) using a new DISPLAY CQE command. It takes the command sequence number as input, which can be determined from the output of a DISPLAY CQ command.

For more information, read *DISPLAY CQE Example*, in the *Entire Net-Work Reference Guide*.

DISPLAY DETAIL Command: Target Detail Display Support

Entire Net-Work 6.3 SP2 introduces support that allows you to display details about local targets. This support is provided using a new DISPLAY DETAIL command. It allows you to display details about the node , its location, name and local targets. The local target information contains the target ID, target type, job name and the job number/ID that started it as well as product details. For more information, read *DISPLAY DETAIL Examples*, in the *Entire Net-Work Reference Guide*.

DISPLAY UBQ Command: User Buffer Queue Display Support

Entire Net-Work 6.3 SP2 introduces support that allows you to display all user buffers (UBs) for commands in wait status. This support is provided using a new DISPLAY UBQ command. It displays information about each UB in process, including the command code, database and file number, checksum number, UB flags and address, age, job name and user ID. For more information, read *DISPLAY UBQ Example*, in the *Entire Net-Work Reference Guide*.

zEnterprise Data Compression (zEDC) Support

Effective with version 6.3 SP2, zEnterprise Data Compression (zEDC) is supported on z/OS systems. At a minimum, this support requires that you have a z/OS V2R1 operating system, an IBM zEnterprise zEC12 GA2 server, and a zEDC Express coprocessor. For complete information on z/OS requirements for zEDC support, refer to IBM documentation regarding *zEnterprise Data Compression (zEDC)*.

Entire Net-Work support for zEDC comes in the form of two new NODE statement parameters as well as two new LINK parameters for the CTCA, FCTC, TCPI, VTAM and XCF line drivers.

- Two new NODE statement parameters have been introduced: ZEDCINIT and ZEDCSZ. The ZEDCINIT parameter indicates whether zEDC compression can occur for the node; the ZEDCSZ parameter specifies, in kilobytes, the smallest payload that may be compressed by zEDC compression. For more information, read *Entire Net-Work NODE Statement*, in the *Entire Net-Work Reference Guide*.
- The ZEDC and ZEDCLOG are new LINK parameters valid for use with the CTCA, FCTC, TCPI, VTAM, and XCF line drivers. The ZEDC parameter indicates whether zEDC compression can occur for the link; the ZEDCLOG parameter identifies the level of trace data that should be logged for zEDC compression processing. For more information, read about the LINK statement for the corresponding line driver.
- Additional statistics are produced by the DISPLAY STATS command and at shutdown when messages have been compressed with zEDC. For more information, read *DISPLAY STATS Example*, in the *Entire Net-Work Reference Guide*.
- Error messages specific to Entire Net-Work's zEDC support begin with the message prefix "NETE". These messages are described in *NETE* - zEnterprise Data Compression (zEDC) Support Messages*, in the *Entire Net-Work Messages and Codes Manual*.

Driver Counters Expanded

In Entire Net-Work 6.3 SP2, the counters for the following line drivers have been expanded to eight bytes to prevent the various driver and link statistics from overflowing:

- CTCA - Channel-to-channel line driver
- FCTC -- Fast channel-to-channel line driver
- TCPI -- TCP/IP line driver
- TCPX -- Simple Connection line driver
- XCF -- XCF (Cross-system coupling) line driver

TCPX DRIVER Connection and Disconnection Message Suppression

If you apply zap WT632005 to your Entire Net-Work TCP/IP Option 6.3 SP2 installation, you can now suppress the NETP818I and NETP819I connection and disconnection messages from your log, eliminating clutter in the log file.This is accomplished by a new TCPX DRIVER parameter provided in the zap: SUPMSGS.

For more information, read *SUPMSGS Parameter*, in the *Entire Net-Work TCP/IP Option Administration Guide*.

XCF DRIVER and LINK Backward Compatibility

XCF line driver 6.3 SP1 and SP2 provide a new EXHS parameter for both the XCF line driver DRIVER and LINK statements. This new parameter indicates whether extended handshakes should be used. Specify this parameter only as advised by Software AG; it was created to provide compatibility between the Entire Net-Work XCF Option 6.3 releases and the 6.1 SP2 and 6.2 SP2 releases. Support for this new parameter is provided with the following zaps applied:

- WF631004 and WM631025 for version 6.3 SP1;
- WF632003, WM632009, and WM632013 for version 6.3 SP2.

For more information, read *XCF DRIVER Statement* and *XCF LINK Statement*, in the *Entire Net-Work XCF Option Administration Guide*.

New XCF Line Driver Parameter RCVBFNUM

XCF line driver 6.3 SP2 provides a new RCVBFNUM parameter for the XCF line driver DRIVER statement. This new, optional, parameter allows you to specify the number of entries in the receive buffer table. The minimum value you can specify is 100, the maximum is 99999. The default is 4096.

Note: In almost all cases the default table size is adequate. We recommend that you do not alter the RCVBFNUM parameter setting unless directed to do so by Software AG.

For more information, read *XCF DRIVER Statement*, in the *Entire Net-Work XCF Option Administration Guide*.

Entire Net-Work CTC Option L001 Library No Longer Necessary

The 6.3 FCTC line driver is incompatible with previous releases of FCTC. To address this in version 6.3 SP1, an Entire Net-Work CTC Option L001 library was made available to you that enabled compatible FCTC connections between 6.3 and 6.2 SP2 nodes. This L001 library provided code that allowed a 6.3 node to detect a connection to a prior version of FCTC and automatically convert that connection to a compatible 6.2 SP2 connection.

This FCTC compatibility processing has been automatically included in Entire Net-Work CTC Option 6.3 SP2. You no longer need the L001 library. Activation of compatibility mode is controlled using a new FCTC DRIVER parameter called COMPAT. For complete information about the COMPAT parameter, read *FCTC Line Driver Compatibility* and *CTCA and FCTC DRIVER Statements*, in the *Entire Net-Work CTC Option Administration Guide*.

A description of the enhancements made to the FCTC line driver in version 6.3 is provided in ***FCTC Line Driver Enhancements***, elsewhere in this guide.

FCTC Line Driver Enhancements

The following changes were made to the FCTC line driver in version 6.3 SP1:

Note: The 6.3 FCTC line driver is incompatible with previous releases of FCTC. A description of the methods by which this incompatibility has been addressed by Software AG is provided in *FCTC line driver Compatibility*, in the *Entire Net-Work CTC Option Administration Guide*.

1. Changes have been made to the FCTC line driver to support defining both the read unit and write unit in the same link.
   - Support for the UNIT, CHREAD, and TOKEN LINK parameters have been dropped.
   - New LINK parameters UNITREAD and UNITWRT have been added and are required for FCTC links. UNITREAD identifies the address of the unit that should be used for reading data; UNITWRT specifies the address of the unit that should be used for sending data.

   These enhancements also allow a link to function in impaired mode; if one unit is unavailable, the other unit can function as both the read and write unit, similar to a CTCA link. Note, however, that *both* UNITREAD and UNITWRT must be specified.

   For complete information about FCTC LINKs, read *CTCA and FCTC LINK Statements*, in the *Entire Net-Work CTC Option Administration Guide*.
2. For the FCTC DRIVER, the channel programs have been enhanced so that each read and write in a command chain is preceded by a prepare command. This further reduces the overhead of attention interrupts.

For complete information about FCTC DRIVER statements, read *CTCA and FCTC DRIVER Statements*, in the *Entire Net-Work CTC Option Administration Guide*.

3. The FCTC LINK has been enhanced to allow a link to function even if only one unit is active; this is referred to as operating in *impaired mode*. In this case, the active unit reverts to bidirectional communication similar to a CTCA link. For complete information about running in impaired mode, read *FCTC LINKS Operating in Impaired Mode*, in the *Entire Net-Work CTC Option Administration Guide*.

   The DISPLAY LINKS and FCTC STATUS operator commands have also been updated also to show the status of each unit. For more information (including the syntax of the commands), read *DISPLAY Command*(in the *Entire Net-Work Reference Guide*) and *CTCA and FCTC Operator Commands*(in the *Entire Net-Work CTC Option Administration Guide*).

Adabas Review Hub Compatibility with Entire Net-Work 6.3 SP2

In prior releases, problems could occur when setting up the Adabas Review hub across nodes using Entire Net-Work (mainframe). Entire Net-Work 6.3 SP2 now fully supports communication with the Adabas Review hub.

Note: Entire Net-Work parameter changes may be necessary to handle the increased traffic produced by the hub.

Reusable Address Space ID (ASID) Support

Entire Net-Work 6.3 SP1 supports reusable address space IDs (ASIDs) in z/OS environments. So you can now specify the z/OS REUSASID system parameter on the start command for Entire Net-Work. For example:

```
/S NETWORK,REUSASID=YES ↩
```

For more information about the REUSASID system parameter, refer to your z/OS documentation.

IPv6 Support

Entire Net-Work 6.3 SP1 introduces support for IPv6 communications via the Entire Net-Work TCP/IP and Simple Connection line drivers.

- A new ALLOWIP6 parameter has been added to both the TCPI and TCPX DRIVER statements. This parameter allows you to specify whether the line driver will accept connections using IPv6 communication. For more information about TCPI DRIVER statement parameters, read *TCP/IP DRIVER Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*. For more information about TCPX DRIVER statement parameters, read *TCPX DRIVER Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*.
- A new V6IPADDR parameter has been added to both the TCPI and TCPX LINK statements. This parameter allows you to specify the IPv6 address of the remote host associated with the line driver link. For more information about TCPI LINK statement parameters, read *TCP/IP LINK Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*. For more information about TCPX LINK statement parameters, read *TCPX LINK Statement*, in the *Entire Net-Work TCP/IP Option Administration Guide*.

e-Business Connections to Open System Databases

Entire Net-Work 6.3 SP1 includes enhancements to the Simple Connection Line Driver (TCPX) so it now allows e-business connections between classic mainframe applications and non-mainframe databases served by Entire Net-Work 7 in open systems environments. This was previously only possible using classic TCP/IP line driver (TCPI) connections to Entire Net-Work 7.

Note: Mainframe-to-mainframe connections are not allowed via the Simple Connection Line Driver (TCPX).

For more information, read *Simple Connection Line Driver Overview*, in the *Entire Net-Work TCP/IP Option Administration Guide*.

New Simple Connection Line Driver (TCPX) LINK Command

With Entire Net-Work 6.3 SP1, the CONNECT operator command has been added to the Simple Connection Line Driver (TCPX) LINK commands. This command mirrors the CONNECT LINK operator command used by the TCP/IP line driver.

For more information, read *Simple Connection Line Driver Operator Commands*, in the *Entire Net-Work TCP/IP Option Administration Guide*.

Entire Net-Work XCF Option Statistics Output Changes

Entire Net-Work XCF Option 6.2 SP1 statistics that are triggered by the PSTATS or STATINT parameters or by the STATS operator command are now written only to DDPRINT. Other messages are written to both the console and DDPRINT. For more information, read about the XCF line driver in the *Entire Net-Work XCF Option Administration Guide*.

DISPLAY TARGETS Command Output Order Changed

With Entire Net-Work 6.3 SP1, the DISPLAY TARGETS command now lists targets in ascending order, rather than in the unordered manner it listed them in previous releases. For an example, read *DISPLAY TARGETS Example*, in the *Entire Net-Work Reference Guide*.

DISPLAY ZAPS Command Output Changed

With Entire Net-Work 6.3 SP1, the DISPLAY ZAPS command now lists the full zap name in its output, not only the zap number. Its output now more closely resembles the zap output for Adabas. For an example, read *DISPLAY ZAPS Example*, in the *Entire Net-Work Reference Guide*.

Message Size Limitation Increased

Entire Net-Work 6.3 SP1 increases the limitation on messages that can be handled by Entire Net-Work. In prior releases, the message size limitation was approximately 16 megabytes. As of this release (and in later releases), the maximum size of a message that can be handled by Entire Net-Work has increased to approximately two gigabytes (2G), limited by parameter settings and storage availability.

New LOG Parameter Setting

Entire Net-Work 6.3 SP1 introduces a new setting for the LOG parameter: LIMITED. The LIMITED setting (LOG=LIMITED) performs the same function as LOG=FULL, except that most log entries are limited to 256 bytes of data. In many cases, this makes the amount of data logged more manageable.

You can also specify the new LIMITED value in the SET LOG command.

For more information, read *LOG Parameter* and *SET LOG Command*, in the *Entire Net-Work Reference Guide*.

Zap Table Changes

Entire Net-Work 6.3 SP1 introduces several zap table changes.

- The format of zap table elements has been altered to more closely resemble the zap table used for Adabas. In addition the full zap name is now listed, not only the zap number.

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

New and Changed Line Driver DRIVER and LINK Parameters

The following table summarizes new and changed parameters introduced in Entire Net-Work 6.3 for its line drivers.

Parameter	Line Driver	DRIVER or LINK Statement?	New or Changed?	Description	Introduced in Release
ACQUIRE	TCPX	LINK	New	This parameter is already in use for the TCPI line driver. It was added to the TCPX line driver in this release. It can be used to specify whether or not a connection with the remote node should be attempted when the driver is opened for the first time (during system initialization).	6.3 SP1
ALLOWIP6	TCPI TCPX	DRIVER	New	This new parameter can be used to indicate whether the line driver will accept connections using IPv6 communication.	6.3 SP1

Parameter	Line Driver	DRIVER or LINK Statement?	New or Changed?	Description	Introduced in Release
API	TCPI TCPX	DRIVER	Changed	A new value option EZA has been added for the DRIVER parameter API. This parameter value loads the z/VSE interface NWTCPEZA. This value can be used only with the TCP/IP stack from Barnard Software, Inc.	6.3 SP1
EXHS	XCF	Both	New	This new parameter indicates whether extended handshakes should be used. Specify this parameter only as advised by Software AG; it was created to provide compatibility between the Entire Net-Work XCF Option 6.3 releases and the 6.1 SP2 and 6.2 SP2 releases. Zaps are required to support this functionality. For more information, read *XCF DRIVER and LINK Backward Compatibility*, elsewhere in this section.	6.3 SP1
NODELAY	TCPI TCPX	Both	New	This new parameter can be used to indicate whether the IBM socket option TCP_NODELAY is enabled or disabled for a link.	6.3 SP2
RCVBFNUM	XCF	DRIVER	New	This new, optional, parameter allows you to specify the number of entries in the receive buffer table. The minimum value you can specify is 100, the maximum is 99999. The default is 4096.	6.3 SP2
RESTART	TCPX	LINK	New	This parameter is already in use for the TCPI line driver. It was added to the TCPX line driver in this release. It can be used to specify the retry interval in seconds and the number of retries that are made to start the connection to the remote node.	6.3 SP1
SUPMSGS	TCPX	DRIVER	New	This new parameter allows you to suppress the NETP818I and NETP819I connection and disconnection messages from your log, eliminating clutter in the log file.	6.3 SP2 (via zap WT632005)
V61IPADDR	TCPI TCPX	LINK	New	This new parameter can be used to specify the IPv6 address of the remote host associated with the link.	6.3 SP1
WEIGHT	TCPX	LINK	New	This parameter is already in use for the TCPI line driver. It was added to the TCPX line driver in this release. It can be used to specify the weight of this link with respect to other links going to the same node.	6.3 SP1

Parameter	Line Driver	DRIVER or LINK Statement?	New or Changed?	Description	Introduced in Release
ZEDC	TCPI XCF	LINK	New	This new parameter indicates whether zEnterprise Data Compression (zEDC) compression can occur for the link.	6.3 SP2
ZEDCLOG	TCPI XCF	LINK	New	This new parameter indicates what level of trace data will be logged for zEDC compression processing.	6.3 SP2

New and Changed Operator Commands

The following table summarizes the new and changed operator commands introduced in Entire Net-Work 6.3:

Command	New or Changed?	Description	Introduced in Release
`DISPLAY CQ`	New	This command displays information about each command queue element (CQE), including command code, database and file number, buffer length, sequence number, age, job name, user ID, and status.	6.3 SP2
`DISPLAY CQE`	New	This command displays detailed information about a specific command queue element.	6.3 SP2
`DISPLAY DETAIL`	New	This command displays detailed information about local targets.	6.3 SP2
`DISPLAY TARGETS`	Changed	This command now lists targets in ascending order, rather than in the unordered manner it listed them in previous releases.	6.3 SP1
`DISPLAY UBQ`	New	This command displays all user buffers (UBs) for commands in wait status. It displays information about each UB in process, including the command code, database and file number, checksum number, UB flags and address, age, job name and user ID.	6.3 SP2
`DISPLAY ZAPS`	Changed	This command now lists the full zap name in its output, not only the zap number. Its output now more closely resembles the zap output for Adabas.	6.3 SP1

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

4 Important IBM Hardware Announcement

Customers should be aware that, according to IBM Hardware Announcement 111-012 (published February 15, 2011), the IBM zEnterprise 196 and IBM zEnterprise 114 are the last System z servers to support ESCON channels. You will not be able to order ESCON channels on System z servers that follow the z196 (machine type 2817) and z114 (machine type 2818) architectures. Furthermore, ESCON channels will not be supported on upgrades to such servers. This applies to channel path identifier types CNC, CTC, CVC, and CBY and to features 2323 and 2324.

Support for FICON channels, however, will continue. IBM encourages customers to eliminate the use of ESCON channels from the mainframe wherever possible. In addition, IBM offers an **ESCON to FICON migration solution** to assist you in your migration from ESCON to FICON. For more information, refer to the IBM web site or your IBM technical support representative.

5 Future Plans

This chapter lists some of Software AG's future plans for Entire Net-Work.

IBM has announced that it will not support ESCON CTC channels in the future. It is Software AG's intention to support the ESCON CTC as long as we can. However, over time we will be upgrading our own hardware which may eliminate our ability to test ESCON CTCs. Therefore, at some point in the near future Entire Net-Work will no longer be able to support ESCON CTCs. We recommend that you familiarize yourselves with IBM's plans for ESCON channels and with their ESCON to FICON migration solution. For more information, read ***Important IBM Hardware Announcement***, provided elsewhere in this guide.

6 Dropped Features

- This release of Entire Net-Work drops support for the NETPFIL1 and NETPFIL2 utilities.
- This version of Entire Net-Work drops support for RDA connections from Entire Net-Work on open systems to Entire Net-Work on mainframe systems.
- This version of Entire Net-Work drops support for the FORCE operator command.

7 Installation Media Information

The Entire Net-Work 6.3 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.

Installation Media Description

Refer to the *Software AG Product Delivery Report* that accompanies the installation media for information about the Entire Net-Work 6.3 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)
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

WCP63*s*.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 WCP63*s*.Z000 data set (where *s* is the system maintenance level of the product) to the Entire Net-Work version 6.3 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.

8 Requirements and Restrictions

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

Notes:

1. Entire Net-Work 6.3 SP1 is compatible with Entire Net-Work 6.2 SP2 nodes, regardless of whether optional fix WY622003 is applied to Entire Net-Work 6.2 SP2.
2. Entire Net-Work 6.3 SP1 requires that zap WD631001 be installed in z/VSE environments. This zap is needed to successfully complete the NETSIP, which in turn is needed for IUCV to run properly.

Adabas Components

Entire Net-Work 6.3 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 6.2, 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 6.2.2 requires Adabas mainframe version 8.2.3 or later or WAL 8.2.3 or later. In situations where Adabas 8.2.2 or the WAL 8.2.2 library must be used, you must apply zap AU822061; if you do not, errors will result.

Entire Net-Work 6.3 SP1 requires that zap WD631001 be installed in z/VSE environments. This zap is needed to successfully complete the NETSIP, which in turn is needed for IUCV to run properly.

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	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.

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

The documentation for this product is new with this release. If you have an Empower account, current, updated, and past versions of the documentation can be reviewed and downloaded by linking to the Software AG documentation, found on Software AG's **Empower** web site. 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).

This documentation includes:

- online HTML topics describing all aspects of the product;
- Adobe Acrobat Reader Portable Document Format (PDF) files created from the HTML topics;
- Adobe Acrobat Reader Portable Document Format (PDF) files for a series of manuals created from the HTML topics.

No hard-copy documentation is provided, but you can print the PDF and HTML files on your local printer.

Allowing Active Content in Windows Environments

With Service Pack 2 (SP2) for Windows XP and Service Pack 1 (SP1) for Server 2003 and later Windows releases, Microsoft introduced a range of powerful new security features that restrict active content that runs locally on your computer. Active content includes ActiveX controls, Java applets, and JavaScript. Software AG's documentation web pages contain some JavaScript, and the SEARCH, INDEX and CONTENTS capabilities are implemented as Java applets. As a result, when viewing documentation web pages that reside on your PC using Internet Explorer and Mozilla Firefox under Windows XP SP2, note that active content is blocked. You must explicitly and repeatedly allow active content if you want to make use of the documentation's full navigation features. Note that this behavior is only observed when reading web pages installed locally on your PC, including those on CD in the PCs CD-ROM drive.

The active content for which Software AG is responsible, that is, the JavaScript code in our HTML documentation pages, will not harm your computers. The risk in using the navigation applets is negligible: Software AG has received no reports from users concerning any harm caused to a computer by the applets. We therefore suggest that when reading Software AG documentation in a local context, you should allow active content via the Security settings in the browser (with Internet Explorer, usually found under Tools > Internet Options > Advanced).

Full details of alternatives can be found on the home page of the suppliers of the navigation applets: ***http://www.phdcc.com/xpsp2.htm***.

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