

Entire Net-Work

Entire Net-Work 7.5 Release Notes

Version 7.5

January 2013

This document applies to Entire Net-Work Version 7.5.

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 7.5 Release Notes

This document provides release notes for Entire Net-Work 7.5 release. It is organized as follows:

<i>Prerequisites</i>	Describes the prerequisites for Entire Net-Work 7.5.
<i>Enhancements</i>	Describes the enhancements made to Entire Net-Work in Version 7.5.
<i>Dropped Features</i>	Describes features that have been dropped in this version of Entire Net-Work.
<i>Entire Net-Work 7 Compatibility</i>	Describes compatibility issues between Entire Net-Work 7 and other products.
<i>End of Maintenance</i>	Describes the maintenance plans for prior Entire Net-Work releases.
<i>Migration Considerations</i>	Lists things to consider when migrating from earlier releases of Entire Net-Work
<i>Documentation</i>	Describes the Entire Net-Work documentation.

2 Prerequisites

Prerequisites for Entire Net-Work 7 are described in *Platform Coverage and Prerequisites* in the *Entire Net-Work Installation Guide*.

3 Enhancements

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This chapter describes the enhancements that have been made to this release.

Last-minute information on problems that have been addressed by this release are described in the *ReadMe* file.

Reduced Entire Net-Work Client License Management

In prior releases of Entire Net-Work Client, a license was required for each Entire Net-Work Client installed, which could result in cumbersome license management, especially in situations where a large number of clients are used. This version of Entire Net-Work removes the requirement for separate licenses for each Entire Net-Work Client installation. Instead, your Entire Net-Work Server licenses now include a setting for the maximum number of clients that can be installed for your site. This setting is established when you purchase Entire Net-Work.

Enhanced Entire Net-Work Client List and Statistics

This version introduces an enhanced breakdown of clients for a Kernel and additional Kernel client statistics.

When you review the list of clients associated with a selected Entire Net-Work Kernel, the clients are listed in two categories.

- **Direct Clients:** Direct clients are clients directly connected to this node. These clients are included in Entire Net-Work counts for currently active clients and are the clients covered by the license agreement (so they *are* counted against the maximum number of clients that can be used by this Kernel).
- **Relay Clients:** Relay clients are clients connected through another node. These clients are included in Entire Net-Work counts for currently active clients, but are *not* counted against the maximum number of clients that can be used by this Kernel.

In addition, the maximum number of clients that are licensed to be used by this Kernel and the number of currently active clients for a selected Kernel are now listed in the statistics for a running Kernel.

For more information, read *Viewing Kernel Client and Adabas Context Statistics* and *Reviewing Kernel Status*, in the *Entire Net-Work Server Installation and Administration Guide*.

Support for Enhanced Entire Net-Work Mainframe TCPX Line Driver

This release supports communication via the enhanced TCPX line driver from Entire Net-Work 6.3 on mainframe systems. The enhanced TCPX line driver was created to support record buffers larger than 32,767 bytes in Adabas ACBX calls. For more information about the TCPX line driver (also called the Simple Connection Line Driver), refer to your Entire Net-Work 6.3 documentation.

Kernel Use of Node Names and Node IDs

This release provides Kernel support for node names and node IDs in Entire Net-Work communications; node names and node IDs are needed for connections between mainframe and open systems nodes. The Kernel name is used for the node name; node IDs can be automatically generated or manually specified in Kernel definitions in the System Management Hub (SMH). Node names and IDs must be unique throughout the system. If two Kernels have the same node ID, network connections obtained through those Kernels may not be handled accurately.

For more information regarding specifying node names, read about specifying Kernel names in *Adding Kernel Configuration Definitions*, in the *Entire Net-Work Server Installation and Administration Guide*. For information regarding specifying node IDs for a Kernel, read *Setting Basic Kernel Parameters*, in the *Entire Net-Work Server Installation and Administration Guide*.

Kernel Statistics and Status Changes

Kernel statistics have been expanded and improved. To see the current statistics, read *Reviewing Kernel Statistics*, in the *Entire Net-Work Server Installation and Administration Guide*.

In addition, Kernel status information now includes the total CPU used by the Kernel, and not just how much time it's been running. For more information, read *Reviewing Kernel Status*, in the *Entire Net-Work Server Installation and Administration Guide*.

Support for Parameter to Control Adabas Context Checking Frequency in Windows

The CHECK_CXT_INTERVAL parameter is now supported in Windows environments. (It was originally introduced in Entire Net-Work 7.4 SP1 in UNIX environments.) This parameter can be used to specify, in seconds, how old Adabas contexts that are created by Entire Net-Work clients can be. If the value of this new parameter is not zero, an Entire Net-Work thread periodically

(every minute) checks the Adabas contexts created by clients connected to Entire Net-Work. Any contexts older than the time set by this parameter are deleted.

For complete information, read *Setting Advanced Parameters*, in the *Entire Net-Work Administration Guide*.

IPv6 Support

This version of Entire Net-Work adds support for IPv6 communications. You can select the TCP/IP protocol family you want for each Kernel or Client (IPv4 or IPv6) or you can let the domain name server (DNS) determine which to use. For more information, read about setting this parameter in *Setting Advanced Kernel Parameters* in the *Entire Net-Work Server Installation and Administration Guide* and *Maintaining Client Configuration Parameters* in the *Entire Net-Work Client Installation and Administration Guide*. The default is to leave the protocol family unspecified and let the DNS determine which to use.



Caution: We recommend that you let the DNS determine the protocol. If you do specify a specific protocol (IPv4 or IPv6), calls to Entire Net-Work via the other protocol type are ignored.



Note: ADATCP connections do not support IPv6 communication.

Relocation of User Exit Examples and Security Executables

In this release of Entire Net-Work, all of the user exit examples and security executables have been moved from Entire Net-Work libraries to Adabas Client libraries. The usual location of these files in Adabas Client is described where appropriate throughout the documentation.

SSL Support License

If you need to use Secure Sockets Layer (SSL) with your Entire Net-Work connections, your installation of Entire Net-Work requires a special license. This applies also if you intend to use Encryption for Entire Net-Work. Please contact your Software AG support representative to obtain one.

Entire Net-Work HotFix Maintenance Applied

This version of Entire Net-Work incorporates all hotfix maintenance from prior releases.

4 Dropped Features

Support for Entire Net-Work on HP-UX on PA-RISC processors has been dropped from this release.

In addition, this release now limits its support for Entire Net-Work-supplied user exits and their samples. The field `USER_EXITS` that you find on the Client Configuration Parameters panel and the Kernel Advanced Parameters panel is provided only for backward compatibility. Support for new Entire Net-Work user exits is no longer provided.

5 Entire Net-Work 7 Compatibility

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This chapter describes the Entire Net-Work 7 compatibility issues.

Adabas and Classic Entire Net-Work Version Compatibility

Entire Net-Work 7.5 provides the ability to communicate with and pass Adabas traffic with other released versions of Entire Net-Work:

Platform	Entire Net-Work Version	Adabas Version
Workstations	2.6 SP1	6.1 SP11 and later versions
UNIX	2.1 SP1	6.1 SP11 and later versions
OpenVMS	3.2 SP6	6.1 SP11 and later versions
Mainframe	6.2 and later versions	7, 8

Adabas Database Compatibility

Entire Net-Work 7 supports both local and remote Adabas databases. Software AG recommends the use of Adabas 6 on open systems with Entire Net-Work 7 on open systems.

EntireX Communicator Compatibility

The NET transport method of EntireX Communicator on UNIX and Windows does not support Entire Net-Work 7.3, 7.4, or 7.5. For additional information, contact your Software AG technical support representative.

6 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.

7 Migration Considerations

If the Software AG Directory Server is installed and used by a prior version of this product, be sure to use the existing Software AG Directory Server port number setting for this installation. You can change the port number after this product is installed. For complete information on changing the Directory Server port number used, read *Changing the Software AG Directory Server Port Number*, in the *Entire Net-Work Installation Guide*.



Note: You cannot use the System Management Hub (SMH) agents installed with an earlier version of Entire Net-Work Client or Entire Net-Work Server to manage this version of Entire Net-Work Client or Entire Net-Work Server. You must use the SMH agents distributed with this version instead. These agents are installed as part of the Entire Net-Work Administration Open Systems installation.

To migrate from an older version of Entire Net-Work Client to this one, you need only install this newer version. If you want to use your older Entire Net-Work Client configurations in this new version, you must migrate them. For complete information on migrating older Entire Net-Work Client configurations, read *Migrating Entire Net-Work Client Configurations*, in the *Entire Net-Work Client Installation and Administration Guide*.

To migrate from an older version of Entire Net-Work Server to this one, you need only install this newer version. If you want to use your older Entire Net-Work Server Kernel configurations in this new version, you must migrate them. For complete information on migrating older Kernel configurations, read *Migrating Kernel Configurations*, in the *Entire Net-Work Server Installation and Administration Guide*.



Caution: Once a Kernel configuration has been migrated to 7.5, it cannot be migrated back to an earlier Entire Net-Work Server version. If you really need to do so, contact your Software AG technical support representative for assistance.

8 Documentation

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The documentation for this product is new with this release. When additional updated versions of the documentation are created, you can review them by linking to the Software AG documentation web site: <http://documentation.softwareag.com/>. If you have an Empower account, updated and past versions of the documentation can also be reviewed and downloaded by linking to the Software AG Empower web site: <https://empower.softwareag.com>. 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 of appropriate books (guides) created from the HTML topics.

Documentation for the Software AG Directory Server can be found in *Software AG Directory Server Documentation* in the *Software AG Directory Server Administration Guide*.

The System Management Hub documentation can be found in the System Management Hub installation. For example, if SMH is installed in Windows at `C:\Program Files\Software AG\System Management Hub`, then the SMH documentation can be found in: `C:\Program Files\Software AG\System Management Hub\help\doc\overview.htm`. Likewise, in UNIX environments, if the SMH installation is located at `$SAG/common/arg`, then the SMH documentation can be found in `$SAG/common/arg/help/doc/overview.htm`.



Note: Due to export restrictions, the SSL Toolkit is not included on the installation CD. If you plan to use SSL in your enterprise and want to use the SSL Toolkit, please contact your Software AG support representative.

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 (or later Windows versions), 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 PC's 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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