

Natural

Natural Release Notes for z/OS

Version 9.2.5

October 2026

This document applies to Natural Version 9.2.5 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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Preface

This document provides a brief summary of the changes and enhancements that have been introduced in Natural Version 9.2.5 for z/OS and the Natural add-on products released with this version. Revised and updated documentation sets are available with this version.

Supported Environments	Supported Platforms, Requirements, Product Availability, and End of Maintenance TP Monitors/Online Interfaces Database Management Systems Assemblers Authorized Services Manager and Roll Server Java
Available and Supported Product Versions	Product Availability and End of Maintenance Overview of New Natural Add-On Product Versions Product Versions Supported by Natural
Installation and Compatibility	Changes to Installation Compatibility
New and Changed Features of Base Natural	Operations and Performance Syntax, Compiler, and Runtime Enhancements System Commands Utilities Profile Parameters Application Programming Interfaces
New and Changed Features of Natural Add-On Products	Natural Com-plete/SMARTS Interface NaturalONE Natural RPC (Remote Procedure Call) Natural Security Natural API Server Natural for zIIP Natural Messaging Natural for Db2
Dropped Features	Features Dropped with a Future Natural Version

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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>.

Product Training

You can find helpful product training material on our Learning Portal at <https://learn.software-ag.com>.

Tech Community

You can collaborate with Software GmbH 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 GmbH 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 GmbH resources.

Product Support

Support for Software GmbH 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.

2 Supported Environments

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Natural support is provided for the versions of the operating systems, TP monitors, database management systems and assemblers supported by their respective manufacturers. In general, when the provider of an operating system, TP monitor, database management or assembler system stops supporting a version of an operating system, TP monitor, database management system or assembler, we will stop supporting that version of the operating system, TP monitor, database management system or assembler.



Note: For information regarding product compatibility with IBM platforms and any IBM requirements, see <https://www.softwareag.com/ibm>.

Supported Platforms, Requirements, Product Availability, and End of Maintenance

You can view all available product versions and check the dates when their maintenance ends by using the System Requirements App at:

<https://documentation.softwareag.com/systemrequirements/#/>

Here, you can enter the product name or code in the search field and see the latest information on system requirements and product availability.

TP Monitors/Online Interfaces

Natural Version 9.2.5 supports the versions of the TP monitors/online interfaces listed below:

Product	Version
Com-plete	See Product Versions Supported by Natural .
CICS TS for z/OS	5.6, 6.1, 6.2, 6.3
IMS TM	15

Database Management Systems

Natural Version 9.2.5 supports the versions of the database management systems listed below:

Product	Version
Adabas	See <i>Product Versions Supported by Natural</i> .
Db2 for z/OS	12.1, 13.1
VSAM	As delivered with the operating system
DFSMSStvs	As delivered for the respective VSAM version if transactional VSAM is to be used with Natural for VSAM

Assemblers

Natural Version 9.2 requires "HL" Assembler as delivered with the operating system for the assembly of its source modules.



Note: It may be possible to assemble source modules with older assemblers; however, we cannot guarantee this.

Authorized Services Manager and Roll Server

The Authorized Services Manager (module NATASM92) and the Natural Roll Server (module NATRSM92) supplied with Natural Version 9.2.5 employ machine instructions from the IBM General Instructions Extension Facility. They will not execute successfully on machines for which IBM does not supply this extension facility.

Java

Natural add-on products which require Java (for example, Natural for Db2 for zIIP) are supported with the following Java versions:

Product	Version
Java	17.0

3 Available and Supported Product Versions

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Product Availability and End of Maintenance

You can view all available product versions and check the dates when their maintenance ends by visiting <https://empower.softwareag.com/>:

1. Log in to Empower.
2. Expand **Products** in the left menu of the page and select **Product Version Availability**:

Product Version Availability

General Availability (GA), Platform retirement, End of Maintenance (EOM), and End of Sustained Support (EOSS) dates for your products.
[View a description of these terms in our Maintenance Policy.](#)

Product Line: OR Product Family:

Product Name:

Product Version:

Operating System: Operating System Version:

Show prior Product Versions: ☐

Sort by Product Version: ☒ Descending ☐ Ascending Rows per Page:

100

SEARCH

CANCEL

Rows 1 - 100 of 6022 | Rows per page: 100 | Click for Printable Version of below Table:

Product Line Product - Product Version + Operating System and Hardware +	Version Lifecycle Milestone			
	GA	OS Retirement	EOM	EOSS

3. Select the required filter criteria from the drop-down list boxes and click on the **SEARCH** button.

A list of supported products that meet the filter criteria is shown. In addition, the end-of-standard-maintenance dates are indicated in the **EOM** column.

If you mark **Show prior Product Versions**, only product versions that are out of maintenance are listed.

Overview of New Natural Add-On Product Versions

This release of Natural provides new versions of the Natural add-on products (or subcomponents) listed in the following table. These versions contain

- all Zaps,
- INPL updates,
- early warnings and

■ source changes

applied to their respective predecessor versions as error corrections.

The Zap solutions and fixes mentioned in the following table can be downloaded from the **Product Fixes** section at <https://empower.softwareag.com/>.

Product Name	Product Code	Version
Natural Advanced Facilities	NAF	9.2.5
Natural CICS Interface	NCI	9.2.5
Natural Com-plete/SMARTS Interface	NCF	9.2.5
Natural Connection	NTC	9.2.5
Natural Development Server	NDV	9.2.5
Natural for Db2	NDB	9.2.5
Natural for Db2 for zIIP	NDZ	9.2.5
Natural for VSAM	NVS	9.2.5
Natural IMS TM Interface	NII	9.2.5
Natural ISPF	ISP	9.2.5
Natural Optimizer Compiler	NOC	9.2.5
Natural Review	RNM	9.2.5
Natural SAF Security	NSF	9.2.5
Natural Security	NSC	9.2.5
Natural TSO Interface	NTI	9.2.5
Natural Web I/O Interface	NWO	9.2.5 (server)
Super Natural	NSN	9.2.5
Natural Batch for zIIP	NAZBT	9.2.5
Natural for CICS for zIIP	NAZCI	9.2.5
Natural for Com-plete for zIIP	NAZCO	9.2.5
Natural for IMS for zIIP	NAZNI	9.2.5
Natural Messaging	NMQ	1.1.2
Natural API Server	NPI	1.1.1

Product Versions Supported by Natural

Natural Version 9.2.5 and the add-on products released with this version support the minimum versions and fixes (or higher) of the optional products listed in the following table. In general, it is recommended that you use the latest product versions supported by Natural to take advantage of new features and enhancements provided by these products.

Product Name	Product Code	Minimum Version
Adabas	ADA	8.5
Adabas CICS Interface	ACI	8.5
Adabas IMS/TM Interface	AII	8.5
Adabas Online System	AOS	8.5
Adabas Review	REV	5.2
Adabas Text Retrieval	TRS	2.1.4
Com-plete	COM	6.8.1 Cumulative Fix 19 with SMARTS Version 3.3.1 Cumulative Fix 35 6.8.2 with SMARTS Version 3.3.2
Con-form	CMF	3.4.3
Con-nect	CNT	3.4.3
Entire Connection	PCC	9.3.
Entire Event Management	NCL	2.2.1
Entire Net-Work	WCP	6.5 (This product is required if you are using Natural Security in a heterogeneous environment.)
Entire Operations	NOP	5.5.2
Entire Output Management	NOM	3.5.2
Entire System Server	NPR	3.7.2
ICU for Adabas & Natural	ICS	3.2.1
Mainframe License Check	MLC	1.4.1
Natural Business Services	NBS	8.2.2 Natural Business Services (NBS) will be discontinued as a single package and packaged together with Natural Construct (CST) with the next release.
Natural Construct	CST	8.2.2
Natural Document Management	NDM	1.6.3 with Service Pack I001 applied
Natural Engineer	NEE	9.1.1
NaturalONE	ONE	9.3
Natural Web I/O Interface	NWO	9.2 (client)
Predict	PRD	8.5.1

Predict Application Control	PAC	2.6.1
SMARTS	APS	3.3.1 Cumulative Fix 35 3.3.2
System Automation Tools	SAT	3.5.2
webMethods EntireX (before: EntireX Communicator)	EXX	10.7

Although it may be technically possible to run versions of other products which are older than the ones listed above with a new version of Natural, this is not recommended because, for legal reasons, we cannot continue to support such combinations and cannot make any statements about whether it is technically possible to run a new version of Natural with versions of other products which are older than the ones listed above.

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Changes to Installation

This section describes the changes in the installation process of base Natural and the Natural add-on products released with this Natural version.

The sections indicated for more information are contained in the Natural *Installation* documentation, unless otherwise noted.

- [System Maintenance Aid: Readme File](#)
- [z/OSMF Workflows](#)

System Maintenance Aid: Readme File

For installation guidance and information on new or changed System Maintenance Aid (SMA) parameters and Natural features, you can view the product-specific readme files by using the appropriate SMA function.

➤ To view a product-specific readme

- From the product list on an SMA **Maintenance** screen, execute the RM (**Show Readme File**) command for the required product(s).

z/OSMF Workflows

z/OSMF Workflows have been introduced for the installation of base Natural and Natural TSO Interface. They are comparable to the example installation jobs and can be adapted according to your needs.

For further information, see *Installing Natural with Workflows* and *Installing Natural TSO with Workflows*.

Compatibility

This section provides the latest information for this Natural release regarding compatibility with earlier versions of Natural for z/OS as well as with Natural on other platforms.



Note: For information regarding product compatibility with IBM platforms and any IBM requirements, see <https://www.softwareag.com/ibm>.

- [Using Natural Objects Created in Previous Natural Versions](#)

■ Special-Purpose Zaps

Using Natural Objects Created in Previous Natural Versions

Natural objects that were created with Natural for Mainframes Version 2.3, 3.1, 4.1, 4.2, 8.2 or 9.1 can be executed with Natural Version 9.2 without any adjustments to the objects or any conversion or migration procedure being required. This also applies to objects that have been cataloged with the *Natural Optimizer Compiler*.



Important: Objects cataloged with a Natural Version prior to 2.3 must be recataloged before execution with Version 9.2. This also applies to data areas that are used by these objects.

It is strongly recommended that any existing objects be recataloged with Natural Version 9.2 to take advantage of improved runtime handling.

Special-Purpose Zaps

The following table lists Natural Version 9.2 zaps and the special purposes they support:

Zap	Special Purpose	
NA21002	Suppress NAT3145 error information	Suppress extra L2 calls to Adabas after a NAT3145 error has occurred. If this zap is applied, the application programming interface USR8202N no longer provides extended information on the NAT3145 error message.
NA21003	Resolve problems (RSP=46) during Natural for z/OS calls to Adabas for Windows, Linux and Cloud	Resolve problems that can arise when Natural calls Adabas on Linux, UNIX or Windows from a z/OS platform: an unexpected RSP=46 can occur if a READ loop at the level 1 (*LEVEL=1) ends with an End-of-File (RSP=3) and is executed multiple times. This occurs because Natural on z/OS does not send a final RC command to release the Adabas Format Buffer if the READ receives RSP=3.



Note: Former special purpose zaps are either replaced by parameters (e.g. Support for the Arabic shaped format) or will no longer be required for Natural version 9.2.5.

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Operations and Performance

- [Natural Roll Server and Authorized Services Manager](#)

Natural Roll Server and Authorized Services Manager

The Natural Roll Server and Authorized Services Manager have been improved with the addition of further trace capabilities. Both modules are provided as new versions in the NATvrs.LOAD data set: NATRSM93 and NATASM93.

For compatibility purposes, the NATRSM92 and NATASM92 are delivered with this release. However, these two modules will be removed in the next version of Natural, scheduled for release in October 2027.

Syntax, Compiler, and Runtime Enhancements

- [Enhanced definitions of hexadecimal and Unicode hexadecimal constants](#)
- [Enhanced COMPRESS statement to allow spacer element](#)
- [Enhanced MOVE EDITED statement](#)
- [Enhanced PARSE statement](#)
- [New System Variable *CPU-TIMEX](#)

Enhanced definitions of hexadecimal and Unicode hexadecimal constants

The definitions of hexadecimal and Unicode hexadecimal constants have been enhanced to allow spaces and commas to be used to separate the bytes (double bytes in the case of Unicode) from each other. This provides better flexibility in structuring the hexadecimal values and improves readability.

Examples:

UH'C1C2,C3C4,C5C6' or UH'F1F2F3F4 F5F6F7F8'

H'C1C2,C3C4,C5C6' or H'F1F2 F3F4F5 F6F7'

For more information, see *Programming Guide > Field Definitions > Hexadecimal Constants*.

Enhanced COMPRESS statement to allow spacer element

The COMPRESS statement has been enhanced to support the use of the spacer element “nX”. This allows you to insert up to 40 blanks between two fields.

Example:

```
COMPRESS 'Error' 1X #ERR 1X 'came from DB file (' #DBID '/' #FNR ')' INTO #T LEAVING  
NO SPACE
```

Result in #T:

```
'Error 1234 came from DB file (10/32)'
```

For more information, see *Statements > COMPRESS*.

Enhanced MOVE EDITED statement

The MOVE EDITED statement has been enhanced to allow the use of the wildcard character ? in the input edit mask for *operand2*. This allows you to ignore the additional characters in the input contents of *operand1*.

For more information, see *Statements > MOVE > Syntax 4 - MOVE EDITED (Edit Mask Specified with operand2)*.

Enhanced PARSE statement

The PARSE statement has been enhanced to support cross-nesting between PARSE XML and PARSE JSON statements. A PARSE XML statement can now include nested PARSE JSON statements, and conversely, a PARSE JSON statement can include nested PARSE XML statements, allowing seamless parsing of hybrid documents that include both XML and JSON structures.



Note: While cross-nesting is now supported, self-nesting of the same statement type remains not allowed. That means, a PARSE XML statement cannot contain another PARSE XML statement and a PARSE JSON statement cannot contain another PARSE JSON statement. For more information, see *Programming Guide > Statements for Internet Access and Parsing > PARSE XML and PARSE JSON*.

New System Variable *CPU-TIMEX

A new system variable *CPU-TIMEX has been introduced to return CPU time currently used by the Natural process in units of 1 microsecond. For more information about the structure and usage of the new variable, see *Application-Related System Variables > *CPU-TIMEX*.

System Commands



Note: The sections indicated for more information are contained in the *System Commands* documentation, unless otherwise noted.

LIST DIRECTORY Enhancement

The LIST system command is enhanced to show additional information about the GDA signature in the *LIST DIRECTORY* command. The use of the compilation option GDASC=ON improves the deployment of the current GDA with all referencing Natural objects so that the GDA time stamp no longer needs to be used. See also *System Commands > COMPOPT > General Compilation Options > GDASC - GDA Signature Check* where the different settings of GDA signature in the LIST DIRECTORY command are presented.

Utilities

■ SYSEXV Utility



Note: The sections indicated for more information are contained in the *Utilities* documentation, unless otherwise noted.

SYSEXV Utility

The SYSEXV utility now provides all example programs demonstrating the use of Natural features introduced in the current or any previous version of Natural. The examples can now be grouped by **Category** or **Version**, or listed alphabetically by **Member** names. You can also specify a search string in the **Search** field so that only the examples containing the string in the member's name, version, category or description are displayed.

New example programs have been added for the following features:

- Enhanced COMPRESS with spacer element
- System variable *CPU-TIMEX
- Enhanced hexadecimal constants

- Enhanced MOVE EDITED with wildcard character
- System variable *UUID
- Extended store clock system variable *TIMESTMPX
- System variable *EDITOR

For more information, see *Utilities > SYSEXV Utility*.

Profile Parameters

You can find detailed descriptions of all Natural profile parameters in the *Parameter Reference* documentation, unless otherwise noted.

- [New Profile Parameters](#)
- [Changed/Enhanced Profile Parameters](#)

New Profile Parameters

Parameter	Corresponding Macro	Task	Description
EDBP, keyword subparameter RTOUT	NTEDBP	Buffer Pool Recovery Files Timeout Value	Recovery files will be automatically deleted if they remain untouched for longer than the period (hours) specified by the RTOUT subparameter of the EDBP profile parameter. The default value is 0. When the RTOUT is set to 0, recovery files are not deleted due to the timeout. For more information, see <i>Parameter Reference > EDBP - Software AG Editor Buffer Pool Definitions > Keyword Subparameters > RTOUT</i>.

Changed/Enhanced Profile Parameters

Parameter	Corresponding Macro	Task	Change/Enhancement
RPC, keyword subparameter TRACE	NTRPC	Defines trace level for Natural RPC Servers	The trace levels (1 ,M) and (2 ,M) have been introduced to enable tracing of requests with millisecond precision. For more information, see <i>Parameter Reference > RPC - Remote-Procedure-Call Settings > Keyword Subparameters for Server Only > TRACE</i>.

Parameter	Corresponding Macro	Task	Change/Enhancement
ZIIP, keyword subparameter PWCSIZE	NTZIIP	Size of the Cache for Print and Work Files	The ZIIP/PWCSIZE cache feature has been enhanced to automatically flush cache buffers at 60-second interval. For more information, see PWCSIZE - Improved Flush Behaviour.

Application Programming Interfaces

The following Natural application programming interfaces (APIs) are new in the SYSEXT system library or have changed:

API	Task	Description
USR6002N	Get the current values of internal counters	The MADIO-CUR parameter provides the current Adabas call counter and is defined using the (I4) format. It now supports the (I4) value range, instead of (I2) value range.
USR8207N	Maintain the number of DBMS calls, MAXCL and MADIO parameters	The DBMS-CALLS parameter provides the current Adabas call counter and is defined using the (I4) format. It now supports the (I4) value range, instead of (I2) value range.
USR9178N	Maintain local store clock value	The new copycode USR9178W returns a date-time value with microseconds in the following format: <pre>yyyy-mm-dd hh:ii:ss.ffffff</pre> where <i>ffffff</i> is the time fraction in microseconds. The copycode is used with the INCLUDE statement: <pre>INCLUDE USR9178W 'DATE-TIME'</pre> whereby DATE-TIME is defined as (A26). The result looks like: <pre>2026-03-09 09:11:51.268138</pre> The example program USR9178P has been extended to show the usage of the new copycode.
USR9212N	Get information about Adabas field or descriptor	The interface provides information about an Adabas field or descriptor. It checks whether the given field of a specific type is in a file. It returns the field entry including the field length, format, and options specified for the field.

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New and Changed Features of Natural Add-On Products

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For an overview of all Natural add-on products and the new product versions available, see [Overview of New Natural Add-On Product Versions](#).

Natural Com-plete/SMARTS Interface

Installations using the Com-plete add-on product Review DC must link the NCFRDCEX module from the NCF library to the Natural (shared) nucleus. This module replaces the RDCNATEX module from the RDC library, which provided the same functionality for versions of Natural lower than 9.

NaturalONE

For information on changes, enhancements and new features available with NaturalONE, see the *Release Notes* in the *NaturalONE* documentation at <https://documentation.softwareag.com/>.

Natural RPC (Remote Procedure Call)

With Natural Version 9.2.5 a new trace flag has been introduced to trace requests with millisecond precision.

For more information see *Parameter Reference* > *RPC Remote-Procedure-Call Settings* > *TRACE*.

Natural Security

The following enhancements are provided with Natural Security Version 9.2.5:

- [Separation of Password and Passphrase Flags](#)
- [Passphrase Support without ICU Handler](#)
- [Application Programming Interfaces \(APIs\)](#)
- [Support for Natural API Server](#)



Note: The sections indicated for more information are contained in the *Natural Security* documentation, unless otherwise noted.

Separation of Password and Passphrase Flags

Natural Security now separates `password` and `passphrase` flags, ensuring that password and passphrase settings are evaluated independently.

The key changes are:

- **Option Renaming**

The **User password history** option in **General Options** has been renamed to **User password / passphrase history**.

- **PF5 Key (PHist) Functionality**

When **User password / passphrase history** is activated, users can press PF5 (PHist) to modify the history flag.

Editable: Only flag values `Y` or `*` can be modified.

Restricted: The **Maximum number of stored passwords / passphrases** parameter cannot be changed via PF5.

- **User Preset Values**

When **User password / passphrase history** is activated, the following parameters under **User Preset Values** become strictly *read-only* and contain the same value as **User password / passphrase history**:

- **User password history**
- **Maximum number of stored passwords**
- **User passphrase history**
- **Maximum number of stored passphrases**

- **Terminology Standardization**

References to “password phrase” across Natural Security have been changed to “passphrase” for consistency.

Passphrase Support without ICU Handler

You can now log on using a passphrase without the ICU handler. In order to do so, the Natural Security session must be run with the `CFICU` and `CP` session parameters set to `OFF`.



Note: The passphrase history is affected if it exists.

Application Programming Interfaces (APIs)

Natural Security has upgraded its *Application Programming Interfaces* documentation and improved code clarity and navigation.

- **Improved Documentation Structure**

Clearer overviews of example programs and explicit listings of functions used within them.

- **Comprehensive Parameter Details**

Example programs now clearly define parameter types, including `Input`, `In/Out`, `Output`, and `Unused` parameters.

- **Enhanced Filtering Options**

The Natural Security Application Programming Interfaces screen now allows users to filter content directly by **Example**, **Interface**, or **Description**.

- **SYSSEC Library Modernization**

Cleaned up the SYSSEC library by removing outdated `TXT*` text modules.

Support for Natural API Server

For more information about security related configuration, see *Natural API Server > Natural Subprogram Server on z/OS > Security*.

Natural for zIIP

PWCSIZE - Improved Flush Behaviour

When Natural is running with the parameter `ZIIP=(PWCSIZE=(100,,200))`, all output sent to a (print/work) file is first buffered in a cache rather than being written to or taken from directly the dataset.

This reduces the number of zIIP switches and improves the runtime performance of the task.

However, if the selected cache buffer size is large compared to the amount of output actually sent to the (print/work) file, the output may remain completely invisible until the job finishes, which can take several hours.

Therefore, the ZIIP/PWCSIZE cache feature has been enhanced to automatically flush cache buffers at 60-second interval.

For further information, see *PWCSIZE - Size of the Cache for Print and Work Files*.

Natural API Server

Natural API Server (NPI 1.1.1) is a new Natural add-on that supports the execution of Natural for z/OS functionality using REST API calls. Natural for z/OS 9.2.5 is a prerequisite for using this feature.

With Natural API Server, all types of client applications can easily execute Natural CALLNATs in Natural for z/OS using REST API calls. The services can be created and deployed using NaturalONE.

For further information, see the *Natural API Server* documentation.

Natural Messaging

Natural Messaging (NMQ) has been enhanced with additional PUT and GET message options, support for automatic character-set conversion, and support for nested FIND and PROCESS statements.

- [New PUT and GET Message Options](#)
- [CONVERT Support](#)
- [Nested FIND and PROCESS Statements](#)

New PUT and GET Message Options

Natural Messaging now supports the following additional MQ Put Message Options (PMO) and Get Message Options (GMO):

- NEW-MSG-ID controls whether MQ generates a new Message-ID on PUT or preserves a caller-supplied one.
- NEW-CORREL-ID controls whether MQ generates a new Correlation-ID on PUT or preserves a caller-supplied one.
- SYNC-RESPONSE controls whether MQPUT waits for a synchronous response from the queue manager before returning.
- LOCK / UNLOCK reserves a specific message under the browse cursor so that it is temporarily unavailable to other consumers, without removing it from the queue.
- MSG-UNDER-CURSOR retrieves the specific message currently under the browse cursor and removes it from the queue.
- BROWSE-MSG-UNDER-CURSOR inspects the specific message currently under the browse cursor without removing it from the queue.

CONVERT Support

The MQ `CONVERT` option is now supported on `GET`. When enabled, the queue manager automatically converts a message's character set (CCSID) to a specified target CCSID, or to the queue manager's default CCSID if none is specified. This allows messages to be exchanged transparently between systems using different code pages, for example, EBCDIC and UTF-8. When disabled, the message is returned exactly as stored, without conversion.

Nested FIND and PROCESS Statements

Natural Messaging now supports nested `FIND` and `PROCESS` statements.

For further information, see *Natural Statements and View Description with Natural Messaging* in the Database Management System Interfaces documentation.

Natural for Db2

The following enhancements are provided with Natural for Db2 version 9.2.5:

- [AI Scalar Functions](#)
- [INTERPRET Scalar Function](#)
- [INSERT Statements with Multi-Row VALUES Clause](#)

AI Scalar Functions

In Natural for Db2 version 9.2.5, SQL syntax parsing has been enhanced to support the `AI_COMMONALITY` AI scalar function.

INTERPRET Scalar Function

Natural for Db2 now supports the `INTERPRET` built-in function. This function takes an expression that returns a built-in binary string or character `FOR BIT DATA` string as its first operand and interprets the resulting value as the specified data type.

INSERT Statements with Multi-Row VALUES Clause

Natural for Db2 version 9.2.5 has been enhanced to allow multiple rows to be specified in the VALUES clause of the INSERT statement.

For details, see *Statements > INSERT (SQL)*.

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Dropped Features

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Features Dropped with a Future Natural Version

The following features will be discontinued or will no longer be supported in a future version of Natural:

German Error Messages

Natural NAT_{xxxx} error messages in the German language are no longer maintained and will be removed from the Natural system with the next release of Natural.

Natural Roll Server and Authorized Services Manager

The NATRSM92 and NATASM92 modules will no longer be provided with the next release of Natural, scheduled for release in October 2027.

As an alternative, use the new NATRSM93 and NATASM93 modules.

VSAM with Natural Security

This is the last version of Natural Security that supports FSEC system file on VSAM. Support for VSAM will be discontinued in the next version of Natural Security, scheduled for release in October 2027.

After upgrading Natural Security on z/OS to a version higher than 9.2.5, you will not be able to use VSAM with Natural Security.

As an alternative, you can migrate your FSEC system file from VSAM to Adabas.

Transition Period Logon

Support for the `Transition Period Logon` parameter (General Options) will be discontinued in the next version of Natural Security, scheduled for release in October 2027. It is supported up to version 9.2.5 and will be removed in subsequent versions on z/OS.

If `Transition Period Logon` is currently active (value `Y`) in your FSEC, please migrate your required library, user, and file definitions to Natural Security before the support ends.

Library definitions can be added via:

- Administrator Services using the **Definition of Undefined Libraries** function. For more information, see *Natural Security > Administrator Services*.
- The `PGMLI001` example program (SYSSEC library) or the `NSCLI` API. For more information, see *Natural Security > Application Programming Interfaces*.

- The `ADD` command in SYSSEC Library Maintenance. For more information, see *Natural Security > Library Maintenance*.

User definitions can be added via:

- The `PGMUS001` example program (SYSSEC library) or the `NSCUS` API. For more information, see *Natural Security > Application Programming Interfaces*.
- The `ADDM` (Add Multiple Users) or `ADD` commands in SYSSEC User Maintenance. For more information, see *Natural Security > User Maintenance*.

File definitions can be added via:

- The `PGMDDM*` example program (SYSSEC library) or the `NSCLI` API. For more information, see *Natural Security > Application Programming Interfaces*.
- The `ADD` commands in SYSSEC File Maintenance. For more information, see *Natural Security > Protecting DDMs On z/OS*.

