

Entire Operations

Entire Operations Version 5.5.3 Release Notes

Version 5.5.3

October 2025

This document applies to Entire Operations Version 5.5.3 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 About this Documentation	1
Document Conventions	2
Online Information and Support	2
Data Protection	3
2 Entire Operations Version 5.5.3 Release Notes	5
General System Updates	6
Entire Operations Documentation Updates	7
Supported Operating Systems	7
Supported Browsers	7
Prerequisites for the Mainframe	8
Prerequisites for UNIX/Linux	9
Prerequisites for Windows GUI Client	9
Special Considerations	10
Platforms and Required Middleware	10
Compatibility and Migration	10
Code Page Setting	13
Solved Issues	14

1

About this Documentation

■ Document Conventions	2
■ Online Information and Support	2
■ Data Protection	3

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 Entire Operations Version 5.5.3 Release Notes

■ General System Updates	6
■ Entire Operations Documentation Updates	7
■ Supported Operating Systems	7
■ Supported Browsers	7
■ Prerequisites for the Mainframe	8
■ Prerequisites for UNIX/Linux	9
■ Prerequisites for Windows GUI Client	9
■ Special Considerations	10
■ Platforms and Required Middleware	10
■ Compatibility and Migration	10
■ Code Page Setting	13
■ Solved Issues	14

These release notes inform you of the enhancements and new features provided with Version 5.5.3 of Entire Operations.

Unless otherwise indicated, the information in these release notes applies to Version 5.5.3:

- for both Entire Operations (NOP) and Entire Operations GUI Client (OGC),
- on all supported platforms.

This document supersedes and replaces the release notes for Entire Operations from Version 5.5.1 to Version 5.5.2.

Legacy Platforms z/VSE and BS2000

Natural add-on products are no longer delivered for the z/VSE and BS2000 operating systems.

Contact your local representative for assistance in planning and executing your rehosting from z/VSE or BS2000 to an alternative operating system.



Notes:

1. Starting with Natural for Linux and Cloud version 9.2, UNIX platforms are no longer supported. Instead, Software AG promotes applications for Linux and Cloud. However, some Add-On products still run with older versions of Natural and therefore will still be able to support UNIX platforms.
2. Starting with Natural for Mainframe version 9.2, BS2000 and VSE platforms are no longer supported. Instead, Software AG promotes applications for z/OS or re-hosting to Linux and Cloud. However, some Add-On products still run with older versions of Natural and therefore will still be able to support BS2000 or VSE platforms.
3. BS2000 platforms are only supported on ESA nodes.

General System Updates

In addition to new or changed functions, each release of Entire Operations is associated with maintenance corrections and enhancements of internal functions and text fields on screens or windows of the CUI or GUI interface.

Entire Operations Documentation Updates

Entire Operations documentation in HTML and PDF format is provided in the **Documentation** section of Software GmbH's Empower web site at <http://empower.softwareag.com/> (Empower login required). The documentation is usually updated whenever a new Entire Operations version or cumulative fix (CF) is released.



Note: Due to last-minute documentation updates, it may be possible that the online help that you can invoke directly from the product does not yet contain the latest information. The most up-to-date Entire Operations documentation can always be found in the **Documentation** section of Software GmbH's Empower web site.

Supported Operating Systems

Entire Operations Version 5.5.3 supports the following operating systems:

- z/OS,
- BS2000 (via ESA only),
- UNIX/Linux and
- Windows (Intel) (managed nodes only).

For detailed information on the supported operating system versions, see the current *Natural Release Notes* for mainframes, Linux or Windows.

Supported Browsers

As of Version 5.5.3, Entire Operations GUI Client supports the following browsers:

- Mozilla Firefox Version 60.4.0esr (64-bit) or above

Only the Extended Support Releases (ESR) of Mozilla Firefox are explicitly supported.

- Microsoft Internet Explorer Version 11 or above.

Prerequisites for the Mainframe

Before you can install Entire Operations on a mainframe system, the following Software GmbH products must already be installed at your site:

- Adabas Version 8.5.4 or above;
- Natural Version 9.2.2 or above; the Natural installation must include the Software AG Editor component. We recommend to apply the current zaps. For further information, please refer to the Natural documentation.
- Entire System Server Version 3.7.2 or above;
- Entire System Server Version 2.1.16 (UNIX/Linux and Windows) or above.
- System Automation Tools Version 3.5.3 or above;
- Natural Security (optional);
- Entire Net-Work (optional); this product is required for any kind of multi-CPU constellation where mainframe and/or UNIX/Linux and/or Windows partners are involved (non-local);
- EntireX Broker Version 10.9 for z/OS (optional);
- EntireX Broker is required for any kind of multi-machine constellation if one partner is a UNIX/Linux system or Windows or different UNIX/Linux systems are involved. EntireX Broker is not required if you are running Entire Operations on a UNIX/Linux or Windows platform and controlling the job networks on a mainframe system.
- Entire Connection (optional)

This product is required for importing or exporting data from or to a PC file or a Natural work file on a PC.

The installation procedure for Entire System Server is described in the *Entire System Server* documentation.

The installation procedure for System Automation Tools is described in the *System Automation Tools* documentation.

Prerequisites for UNIX/Linux

Before you can install Entire Operations on a UNIX/Linux system, the following Software GmbH products must have been installed at your site:

- Natural Version 9.2 (or above) for UNIX/Linux;
- Adabas Version 7.1 (or above) for UNIX/Linux.

With Entire Operations Version 5.5.3, the following products will be installed automatically:

- Entire System Server Version 2.1.16 (or above) for UNIX/Linux;
- System Automation Tools Version 3.5.3 or above;
- EntireX Libraries 10.9 (or above). The libraries are delivered as a separate component under **Infrastructure > Libraries > EntireX Libraries** in the Software AG Installer (see the webMethods documentation *Installing webMethods and Intelligent Business Operations Products*).
- Entire Systems Management Adapter (ESA) Version 4.1.1, or above (optional, to access nodes on BS2000 Systems).

Prerequisites for Windows GUI Client

Entire Operations GUI Client will run on any Windows platform on which Natural Version 9.2 (or above) for Windows runs.



Note: Make sure the machine on which you are going to run the Software AG Installer contains the latest Windows updates.

Entire Operations GUI Client Version 5.5.3 requires the following products:

- Natural Version 9.2 (or above) for Windows. You can use either Natural Development version or Natural Runtime.

Entire Operations GUI Client runs on any Windows platform on which Natural Version 9.2.1 (or above) for Windows runs.

- Entire Operations Server Version 5.5.3;
- EntireX Libraries 10.9 or above (optional). The libraries are delivered as a separate component under **Infrastructure > Libraries > EntireX Libraries** in the Software AG Installer (see the webMethods documentation *Installing webMethods and Intelligent Business Operations Products*).

Special Considerations

Database ID (DBID) 148 is reserved for Entire System Server and must not be used for any database.

Platforms and Required Middleware

The following products are required to connect the individual platforms:

Online System/Monitor	Job Execution	Connection / Products
mainframe	mainframe (local*)	none
mainframe	other mainframe	Entire Net-Work
mainframe	UNIX/Linux	EntireX Broker
mainframe	Windows	EntireX Broker
UNIX/Linux	UNIX/Linux (local*)	none
UNIX/Linux	other UNIX/Linux	EntireX Broker
UNIX/Linux	Windows	EntireX Broker
UNIX/Linux	mainframe	Entire Net-Work

* “local” means that the Entire Operations online system is installed on the same machine on which jobs are executed.

Combinations are also possible. For example, if you want to install the Entire Operations online system on one mainframe and execute jobs on another mainframe and another UNIX/Linux or Windows machine, you would need:

- Entire Net-Work (one for each system to be connected) for connecting to the other mainframe and to UNIX/Linux or Windows, and
- EntireX Broker (on one system) for connecting to UNIX/Linux or Windows.

Compatibility and Migration

- [Support for Previous Versions](#)
- [Compatibility Check for System Automation Tools Versions](#)
- [Data Migration](#)
- [Database File Migration](#)

■ [Application Programming Interface \(API\) Versions](#)

Support for Previous Versions

Entire Operations Version 5.5.x is the official replacement for Entire Operations Version 5.4.3, or earlier versions.

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

1. Log in to Empower.
2. Expand **Products & Documentation** 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.](#)
There are some exceptions to the product availability dates shown below. For details of those exceptions, [visit this page](#).

Product Family:

Product Name:

Product Version:

Operating System: Operating System Version:

Show prior Product Versions: ☐

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

Expand all - Collapse all
Rows 1 - 100 of 12116 | Rows per page: 100 | Too many data selected; Printable Version of below Table is not available

Product Family	Product - Product Version	Version Lifecycle Milestone			
+ Operating System and Hardware *		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 Software GmbH 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.

Compatibility Check for System Automation Tools Versions

(with Version 5.5.1 CF 02)

Entire Operations requires the following versions of System Automation Tools (SAT):

- Entire Operations versions earlier than version 5.5.x. require System Automation Tools versions earlier than Version 3.5.2.
- Entire Operations Version 5.5.x requires System Automation Tools Version 3.5.2 (and above).

Compatibility check constraints are used to enforce valid version combinations:

- At the start of an Entire Operations session on a CUI client (NOP),
- At the start of an Entire Operations session on a GUI client (OGC),
- At the start of the Entire Operations Monitor.

Incompatible versions cause start failures and an error message similar to the following occurs and is written to the SYSOUT file of the Entire Operations Monitor:

```
EOR2598 - SAT Version >= 3.5.2 required for NOP 5.5.2
```

Data Migration

The data migration from Entire Operations Version 5.4.3 to Version 5.5.x is performed as part of the migration process.

The data migration can be run any time manually by using a Natural batch JCL:

```
LOGON SYSEOR  
DMDRIV-P  
FIN
```

Internal control records prevent repeating of already completed migration steps.

Database File Migration

This following migration steps are only required if you migrate data from an Entire Operations Version earlier than Entire Operations Version 5.5.x:

➤ To migrate data from Entire Operations Version 5.4.3 to Version 5.5.x

- 1 Make a backup of the Entire Operations Version 5.4.3 system files.
- 2 Unload the old database files and load the new database files by using the import/export functions.

Or:

Adapt the old Entire Operations System File 1 for use with Entire Operations Version 5.5.x. Some data fields have larger field lengths and some descriptors have been released or added.

- 3 If you want to keep your log data: Adapt the System Automation Tools log file for use with System Automation Tools Version 3.5.1.

Or:

On UNIX: If migration is required, it is performed automatically within the guided installation.

Application Programming Interface (API) Versions

The API versions remain the same as in Entire Operations Version 5.4.3.



Notes:

1. Parameters reserved for future use in a previous Entire Operations version may be used in Entire Operations Version 5.5.x.
2. Parameters with names like `-NETWORK-VERSION` or `-SYMTAB-VERSION` have been used since Entire Operations Version 5.4.3. Please refer to the descriptions of *Versioning of Job Networks* and *Versioning of Symbol Tables* in the *User's Guide* documentation.
3. For several APIs, new return codes were added. Please check the description of the *API Routines* in the *User's Guide*.

Only the latest versions of APIs should be used for new development. These are documented in the section *API Routines* in the *User's Guide*. Starting with the next Entire Operations version, older APIs will be supported for the two previous versions only. The existence of an older API routine in the Natural SYSEOR system library does not imply that it is still supported.

Most API routines contain a version number as the seventh character of their name. For example, in this Entire Operations version the Log API is `NOPULW9N`. The previous version `NOPULW8N` is still supported for a limited time.

Code Page Setting

we recommend that you run the Natural environments for the Entire Operations Monitor, the Entire Operations character interface and the Entire Operations RPC server with enabled code page support. For the required Natural parameter settings, see the Natural parameters `CFICU` and `CP` described in the Natural *Parameter Reference* documentation.

If code page support is enabled, user exits and macro JCL defined in Entire Operations can use the Natural system variable `*CODEPAGE` (see the Natural *System Variables* documentation) which determines the current code page for correct code page conversion, for example, with the Natural `MOVE ENCODED` statement.

The Entire Operations Monitor tasks log the current code page setting during startup. In the Entire Operations character interface, the current code page setting is shown by the `TECH` direct command (see the *Direct Commands* documentation).

When using the `CFICU` and `CP` parameters, they must be set to the same values for the Entire Operations Monitor, the Entire Operations character interface and the Entire Operations RPC server.

Solved Issues

All solved issues of Entire Operations (NOP) version 5.5.2 (with cumulative fixes CF 01 through CF 12) and version 5.5.3 (with cumulative fixes CF 01 through CF 02) are included in this release.

All solved issues of Entire Operations GUI Client (OGC) version 5.5.2 (with cumulative fixes CF 01 through CF 12) and version 5.5.3 (with cumulative fixes CF 01) are included in this release.

- [Entire Operations \(NOP\) Version 5.5.3 Cumulative Fix 02](#)
- [Entire Operations \(NOP\) Version 5.5.3 Cumulative Fix 01](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 12](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 11](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 10](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 9](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 8](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 7](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 6](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 5](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 4](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 3](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 2](#)
- [Entire Operations \(NOP\) Version 5.5.2 Cumulative Fix 1](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.3 Cumulative Fix 02](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.3 Cumulative Fix 01](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 12](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 11](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 10](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 9](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 8](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 7](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 6](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 5](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 4](#)
- [Entire Operations GUI Client \(OGC\) Version 5.5.2 Cumulative Fix 3](#)

■ Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 2

Entire Operations (NOP) Version 5.5.3 Cumulative Fix 02

Problem	Short Description
NOPALL-4273	<p>NOP 553 CF2 Several Corrections</p> <p>N4273.7 NOP LDA XSFILATL got new attribute XS-FILAT-LINE-LEN-GT-250 (A1) The input and output values are described below any line longer than 250 bytes. With NPROS-436, the NPROSA struct fileAttr got the new attribute anyLineLongerThan250:</p> <pre> struct fileAttr { /* X00083 214 01 ff. */ ... CE_CHAR anyLineLongerThan250 [1]; /* v NP436 2II 03 */ /** in: '+' perform this check *in: other skip this check *out: 'N' file has no line longer than 250 bytes ← *out: 'Y' file has at least one line longer than ← 250 bytes *out: ' ' skipped, unknown *out: '+' skipped; NPROS < 2.1.18.3 doesn't support ← this */ /** ^NP436 */ ... }; ← </pre> <p>Usage:NPROS, Function FILE / GETATTR:If you like to know whether the file contains at least one record longer than 250 bytes, please set XS-FILAT-LINE-LEN-GT-250 := '+' prior to the invocation of FILE / GETATTR. The result is passed back also in XS-FILAT-LINE-LEN-GT-250. See above for the possible result values. N4273.A - NOP 553 CF2 - workSome message (long text) corrections.1859 - mod - eqaced1860 - mod - eqaced</p>
NOPALL-4274	OGC: Monitor Status Window - Status text truncated
NOPALL-4286	More objects imported than selected
NOPALL-4288	NAT1305 in IRREL--N Line 2580 - Shutdown
NOPALL-4289	<p>OGC Server - Duplicate node "Short Names" must be avoided.</p> <p>Added the check for Node short name check as well...</p>
NOPALL-4291	<p>Job Activation is not aborted, if the Global JCL Activation Exit sets P-RC >= 2</p> <p><listitem> If the Global JCL Activation Exit comes back with a return code >= 2, the JCL loading for the affected job will be aborted, and the job will be set to a permanent error state. A documentation update is not necessary. The exit error handling now works as already documented.</listitem></p>

Problem	Short Description
	<listitem> CUI and OGC, active JCL regeneration: The 'normal' JCL regeneration will be rejected for a job for which the JCL loading was rejected by the exit. A re-activation of the job must be performed for such a case.</listitem>
NOPALL-4296	RPC loops in OPJADJ-N on Linux
NOPALL-4294	End-of-Job action delays - eventually related to NOM API NOMTP01N processing - EJANOMDP Replaced FIND loop with SORT by READ loop without SORT. Reason: Performance.- EJANOM-P The elapsed time of NOMTP01N API calls will be logged if they were longer or equal than 5 seconds. Example: NOM API Call - 5.3 Sec - Error Code 0 NOM < (194) \$SN.NOPALL.N4294B100.0006.J200#####A SYSOUT File passed to NOM
NOPALL-4295	z/OS: In User node maintenance once LOGON-DEFAULT 'No Password' is set as 'Y', it cannot be reset by user
NOPALL-4151	z/OS: EOR0254 error for function (technical) user (without password) while regenerating jobs
NOPALL-4285	NPROS Error NPR3361, etc. - SU-X---N:Avoid shortening of message NPR3361.- Corrected the error handling for 'File can't be written'.
NOPALL-4272	SYSOUT Lines > 250 bytes are truncated, if SYSOUT is copied from Linux to NOM via BS2000 Some error handling improvements.
NOPALL-4201	Wrong message for "Where used" in: Waiting for prerequisites NOP CUI: Window 'Waiting for Prerequisites':Line command 'W' (Where used) for an input condition:If no matching condition can be found, the messageEOR0798 - No matching Condition found will be shown on top of the window, instead of EOR0930 - Object not found
NOPALL-4301	Promoted networks disappear from the list "Next scheduled network starts (CUI -> PF11)" Additional screen to confirm modification if PF3 is pressed instead of PF5.
NOPALL-4305	Summary Messages missing at End of the Export File, when using Batch Export NOP Export in batch to location WRK (work file):The epilog messages will be appended (as comments) to the work file now.
NOPALL-4306	EOR-SYMBOL Command Meta-command EOR-SYMBOL:Avoid the shortening of the written symbol to 80 bytes.The maximum symbol value size (120 bytes) can be set correctly now.
NOPALL-4276	License Check on Mainframe: Pgm NOPLC1-N Line 2160 Error NAT1143 Avoid NAT1143

Problem	Short Description
NOPALL-4237	<p>NOP network no longer starts if all activities are defined in Task1 with NOP 5.5.2 CF12</p> <p>With the introduction of new global variable for task matrix, the defaults were not updated while installing NOP. Fixed the issue to update the defaults and eventually the global variable.</p>
NOPALL-4315	<p>Monitor hanging - Activations not performed</p> <p>Just added some (disabled) diagnostics.</p>
NOPALL-4307	<p>Monitor does not start up properly after Adabas shutdown</p> <p>FROM NOP 553 CF02 THE PACKAGE CONTAINS THE SOLUTION FOR THE ENHANCEMENT</p>
NOPALL-4040	<p>Copy SYSOUT Files not only to BS2000 Nodes, but to Linux Nodes also.</p> <p>For this enhancement currently exists one known issue: in case of an inactive SYSOUT store node it could be that the dedicated SYSOUT Store task (task 92) comes into a functional loop if the SYSOUT store node becomes active again and starts with the file transfer. In this case, you might try to stop just this task (in the CUI task list with line command 'C'), and try to restart it (with line command 'S').</p>

Entire Operations (NOP) Version 5.5.3 Cumulative Fix 01

Problem	Short Description
NOPALL-4187	<p>Active jobs have disappeared from the display before or after execution.</p> <p>New direct command (to be used for debugging in this specific case): SET MONITOR JA-CT <level></p> <p>10 log job active count, only if changed compared with previous count</p> <p>20 log job active count, always</p> <p>30 same as 20, log active jobs, too.</p> <p>The setting is not persistent. It must be repeated if the monitor was started newly. The setting has also effect on the NOP CUI session where the command was issued.- Location of job active counting - active jobs list of current NOP CUI session - before job submission - at active network end - during network deactivation or job deactivation, on job level - in API NOPUAC5N- target of counting.</p> <p>All counting results will be written to the NOP log. The additional log messages contain owner, network, run number. If related to a dedicated job, also the job name. Examples of NOP log messages Run 2464 - 14 active Job(s) Run 2453 - 12 (after 13) active Job(s)- Test module NAJACT-T can be called from the Natural command line in library SYSEOR. The counting result will be shown, and will be written to the NOP log.</p>
NOPALL-4212	Monitor Accounting - automatic stopping erroneous

Problem	Short Description
NOPALL-4219	<p>Error 5510 during SYSOUT Copy from Linux to BS2000 - with NPROS 2.1.17.3</p> <p>With NOPALL-4098, XS-FIL-N (the Unix file access module) returned 5510 for an invalid session ID. But the End-of-Job Action module EJA----P checked for 510 only.</p> <p>Correction: XS-FIL-N sets return code 510 instead of 5510 for invalid session ID. EJA----P checks for both 510 and 5510. With the correction, the existing SYSOUT copy retry mechanism in EJA----P works correctly again.</p> <p>Note: The correction is in NOP only. It should work with all NPROS versions.</p>
NOPALL-4221	<p>NOP 5.5.2.12: Follow up of -NOPALL-4160- Redundant log texts with symbol resolution</p> <p>Follow-up for NOPALL-4160: Avoid redundant symbol replacement logging at more locations.</p>
NOPALL-4229	<p>NOP 5.5.2.12: Monitor crash due to unexplained cause</p> <p>Probably caused by EOR3215 in Unix string search End-of-job checking, Unix, string search: Corrected the error handling for EOR3215 - Node :1: - Service :2: not in SYSSATU/SATSRV. In this case, the affected active job will be set to 'not ok'.</p> <p>Note: The error EOR3215 is caused by an inconsistent Unix or Windows node definition by the customer. Each Unix or Windows node must have a related entry (section) in SYSSATU / SATSRV.</p>
NOPALL-4185	<p>Node Logoff and / or Node Invalidation at End of End-of-Job Action (EJA) Exit Processing</p> <p>Some enhancements for the handling and logging of the node invalidation at the end of an exit execution. Please refer to NOPALL-4233 for a documentation update.</p> <p>See also item 6 in User Exit Coding Restrictions.</p>
NOPALL-4209	<p>Symbol is unexpectedly resolved from 'other active Symbol Table of Network' - caused by NOPALL-4147 Default Setting (4):</p> <p>Added the settingSearch also in other symbol tables of active network ==> (Y/N)</p> <p>If Y is specified here, symbols will be searched also in other active symbol tables of the active network. The default is N.</p> <p>Note: After a change of this setting, a monitor restart is required.</p> <p>Documentation has been updated:</p> <p><listitem>Default Setting (4) in the <i>Administration</i> documentation.</listitem> <listitem>See entry N0 in Symbol Table Types and Symbol Search Order in the <i>User's Guide</i> documentation.</listitem></p>
NOPALL-4251	<p>NOP - No JV possible after changeover to dummy</p> <p><listitem> Prerequisite checking: Corrected the NOP node table handling for job type 'DUM' and temporary dummy jobs. </listitem></p>

Problem	Short Description
	<p><listitem> BS2000 ESA nodes: Corrected the job variable availability detection. </listitem></p> <p>Hotfix compatibility: An engineering hotfix is possible. It would be applicable from NOP 552 CF12 through NOP 553 CF1.</p>
NOPALL-4248	<p>NOP 5.5.2.CF12: Regenerate JCL deletes SYSOUT History</p> <p>JCL regeneration: Don't reset the current job ID. The history of previous SYSOUTs will not be disturbed anymore. NOPALL-4193 NOP552/10 CLEAN: Monitor-Error NAT3009 in IRREL--N line 2595</p>
NOPALL-4259	<p>Schedule uses calendar incorrectly</p> <p>Corrected the schedule calculation from the schedule definition, for schedule definitions with Weekly Schedule, and Week Days definition like 1W 2W 3W 4W 5W(W means: W is n-th workday of week, e.g. 1W). The error occurred during the first (incomplete) week of a year. The correction is compatible to NOP 552 CF11 or above.</p>
NOPALL-4249	<p>NOP 5.5.2. CF12 / NPR 2.1.17.3: Repeat count not consecutive with job repetition - Re-submission handling correction.</p> <p>Avoid race condition in prerequisite checking.- Avoid unnecessary SYSOUT file renaming before job repetition on Unix and Windows. SYSOUT file names on Unix and Windows contain the repeat count since a long time.</p>
NOPALL-4257	<p>Network and Job Activation - Inconsistent Time Frame</p> <p>CUI: Default Setting (2): Default Deadline after earliest start must be larger than default latest start after earliest start. Job master - scheduling parameters: deadline must be later than latest start. Network schedule definition:deadline must be later than latest start.</p>
NOPALL-4244	<p>NOP 5.5.2.10: HIST-DAY= imported wrongly before NOPALL-4136 - Can these days be corrected?</p>
NOPALL-4243	<p>NOP 5.5.2.10 Active job recovery parallel to batch cleanup causes monitor errors and monitor shutdown</p> <p>The CLEAN would not deactivate the jobs that came in the queue after lock was placed. Hence reducing the conflict with the general process of deactivation which will continue as normal. Also the locks are placed specifically only for deactivation and file deletion.</p>
NOPALL-4258	<p>Again and again the LOGON login screen (NPR)</p> <p><listitem> NOP CUI: Corrected an invalid error handling in SYSOUT Browsing for Unix and Windows jobs. </listitem> <listitem> NOP CUI: Corrected the Node Autologon handling for SYSOUT Browsing for Unix and Windows jobs. In some cases the logon screen was presented superfluously. </listitem> <listitem></p>

Problem	Short Description
	<p>(N4258.1) NOP CUI, node status list: After 'LOGOFF NODE <node>', the node's operating system name was deleted.</p> <p></listitem></p> <p><listitem></p> <p>(N4258.2) NOP CUI: 'Waiting for' for input condition depending on BS2000 job variable: Message 'JV ... doe not exist' was not shown.</p> <p></listitem></p> <p>Notes on Autologon</p> <p><listitem></p> <p>The combination of 'NOP Userid + Node + Unix Userid' must be defined for autologon for JCL editing and / or SYSOUT browsing.</p> <p></listitem></p> <p><listitem></p> <p>For each allowed combination, a successful NOP node logon with a valid Unix user ID and valid Unix password must have been performed. This must be repeated after each Unix password change because NOP keeps ciphered passwords of successful node logons which are necessary for autologon.</p> <p></listitem></p>
NOPALL-4226	<p>Follow-up of NOPALL-4170: Utility or API requested to delete remaining active conditions of de-activated runs</p> <p>Added in 'Default Setting (3)'</p> <p>Network Deactivation: with active conditions</p> <p>If Y is specified here:</p> <p><listitem></p> <p>If an active network is deactivated, the belonging active conditions will be deactivated, too.</p> <p></listitem></p> <p><listitem></p> <p>During a cleanup, active conditions will be deactivated not only by retention period but also if their creating network run or job run is not active anymore.</p> <p></listitem></p> <p>Default: N</p> <p>See also Default Setting (3) in the <i>Administration</i> documentation.</p>
NOPALL-4238	<p>NOP 5.5.2.10: Symbols are not activated or deleted from the active area</p> <p>Preface: This update does <i>*not*</i> fix the root cause of the active symbol loss. It only provides a utility to list the current content of the active symbol tables of an active network.</p> <p>Updates</p> <p><listitem></p> <p>Some enhancements for the ET logic for symbol table activations, in the monitor.</p> <p></listitem></p> <p><listitem></p>

Problem	Short Description
	<p>Added utility to list the current active symbols of an active network as a snapshot. The target is the NOP Extended Logging. Defining an additional job to list active symbols.</p> <p></listitem></p> <p>Example:</p> <pre> Job Definition (Master) Job Name ==> NASYLE_____ Mod ==> SN 17.12.24 09:03 Description ==> NA symbols -> extended log_____ Job Type ==> NAT Execution Node ==> N0518 Linux Special Type ==> _____ Symbol Table ==> NET01-518_ Milestones ==> _____ Symbol Table Version ==> _____ Restartable ==> N Suffix Symbol ==> Escape Characters: Activation ==> @ Submit ==> ? End-of-Job Action Errors set 'not ok' Conditions ==> NEnter-PF1---PF2--PF3--PF4---PF5---PF6---PF7---PF8- --PF9--PF10---PF12- Help Add End Edit Save Spec Symb Net JCL Browse Menu Job: JCL Definition (Master)Job Name ==> NASYLE Mod ==> SN 17.12.24 09:03Description ==> NA symbols -> extended logJob Type ==> NATExecution Node ==> N0518 Linux Symbol Table ==> NET01-518JCL Location ==> NAT JCL Load Mode ==> AJCL Node ==> N0518 LinuxFile/NatLib ==> SYSEOR_____Member ==> NASYLE-N _____VolSer ==> _____ (if not catlgd) Password ==> defined ==> nonter-PF1-----PF3--PF4---PF5---PF6---PF7---PF8----- -PF10-----PF12-- Help End Edit Save Spec Symb Import Browse MenuExecuting the active symbol listing in a Natural batch jobExample:LOGON SYSEORNASYLI-P S @P-OWNER @P-NETWORK @P-RUN @P-JOBFINParameters of NASYLI-P1 P-TARGET (A01) /* in* 'S' job SYSOUT* 'E' NOP extended log1 P-OWNER (A10) /* in1 P-NETWORK (A10) /* in1 P-RUN (I04) /* in1 P-OWN-JOB (A10) /* inViewing the lsit of active symbols (snapshot)1. Check when the NASYLE (NASYLE-N) utility was executed:20.01.25 ***** Entire Operations ***** 10:31:02Active Jobs Owner TESTBED Network </pre>

Problem	Short Description
	<pre> NET01-518 VersionSelection AW_____ Run from 2683_ to 2684_----- -----C Job Run Typ Loc JobId Node Date Time Message *----- ---_ NASYLE 2683 NAT NAT N0518 20.01 09:25 Ended ok...Open the NOP Log for that time (here: 09:25)eventually with preselection of owner, network, run.Search for Log messages like EOR53D51 TESTBED NET01-518 NASYLE 2683 20.01 09:25:14.8 Submitted: NAT Pgm SYSEOR/NASYLE-N Node 518 User ID nprusr01* EOR53D51 TESTBED NET01-518 NASYLE 2683 20.01 09:25:14.8 Active Symbols logged EOR53D51 TESTBED NET01-518 NASYLE 2683 20.01 09:25:14.8 Natural Pgm SYSEOR/NASYLE-N terminatedThe message 'Active Symbols logged' is prefixed by an asterisk.Overtime the asterisk with any character and press Enter.The list of the currently active symbol tables of the network with their respective content will be shown:Owner TESTBED Network NET01-518 Run 2683 - Active Symbols ---Columns 001 072====> SCROLL===> PAGE***** ***** top of data *****00001 NASYLI-P - List of active Symbols - 20/01/25 09:25:14.800002 Owner TESTBED Network NET01-518 Run 2683 Job NASYLE00003 ----- 00004 Owner TESTBED SymTab NET01-518 Run 2683 Type NV Status 1000005 CMDLINE-EXE100006 ... nprusr /etc/passwd00007 ... origin: activation00008 GREP00009 ... /bin/grep00010 ... origin: activation00011 JCLDIR00012 ... /home/sag/jcl/testbed00013 ... origin: activation... ↵ </pre>
NOPALL-4263	NOP/OGC - Error after import - EOR3218 Evaluierungs-Fehler
NOPALL-4246	<p>NOP 5.5.2.12: still incomplete mails / Follow-up of NOPALL-4026</p> <p><listitem> Corrected the Subject generation for emails sent via Unix (Linux). </listitem> <listitem> Corrected the end-of-job condition setting for the case when an error occurred during SYSOUT copying from Linux to BS2000 and if in a job master definition End-of-Job Action Errors set 'not ok' Conditions is set to Y. </listitem></p>
NOPALL-4267	<p>Message sending loops if not existing Message Sending Exit is specified at global user exits</p> <p>Corrected the error handling for the following cases:</p>

Problem	Short Description
	<p><listitem> The Global Message Sending Exit is changed while the monitor is running. </listitem> <listitem> The exit does not exist. </listitem></p> <p>Before the correction, a functional error handling loop occurred. With this correction, error messages will be logged, and the monitor will be shut down.</p>
NOPALL-4196	<p>NOP552/preCF12 EOR4000 - Editor Error: COPY Error 510</p> <p>X-EDSV-P:Corrected the JCL node testing. If a matching NPROS session exists already, the node testing will be skipped.</p>
NOPALL-4269	<p>Utility ND-LB--P issues</p> <p><listitem> Customer's macro source needs to be corrected at the places marked with N4269. This will avoid a NAT1305 error. See attached Macro source EOR-T001.N4269M01.txt. </listitem> <listitem> Utility ND-LB--P: More logging in bulk mode. </listitem> <listitem> Macro objects will be deleted by NOP, if a runtime error occurs during their execution. The macro source will be kept. This will prevent repeated occurrences of the same error in the NOP monitor, and will prevent the NOP monitor to be terminated due to this. </listitem> <listitem> Works as designed. </listitem> <listitem> CUI Log display: Avoid message truncation. </listitem></p>
NOPALL-4270	<p>Cleanup: Sporadic abort in CL-LOG1N line 2930 with NAT3009 subcode 0</p> <p>CL-LOG1N: Extended the ON ERROR routine. After a NAT3009 error, a retry of the cleanup will be attempted.</p>
NOPALL-4275	OGC: Filling a multiple symbol leads to error NAT1305
NOPALL-4279	<p>NOP552/12 symbol tables are missing after export</p> <p>There was an issue with the examine statement because of which some symbol tables were not exported. EXAMINE has been replaced with FOR loop comparing all the fields to find unique symbol tables.</p>
NOPALL-4278	NOP 5.5.2.12 Preferred networks disappear from the 'Next planned network starts (CUI -> PF11)' list

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 12

Problem	Short Description
NOPALL-3958	Browse of Sysout on ESA node without password results in ESY5510 instead of being prompted for the password
NOPALL-4135	Schedule setting partially exported incorrectly
NOPALL-4145	<p>Message "Übergabe an NOM abgebrochen" although files were passed to NOM</p> <p>File passing to NOM: Log message 'Passing to NOM aborted' is no longer shown if the file passing was successful.</p>
NOPALL-4146	<p>EJC----P Line 3118 Error NAT1316 - after a Node Definition was deleted</p> <p>EJC----P: Added some more checks for the validity of G-NI (node index in internal node table).</p>
NOPALL-4136	HIST-DAY= imported incorrectly IENMI--PHIST-TO-TABLELogic simplification by using CALL 'NOPDTA'
NOPALL-4138	<p>No EOR message (mail / event) for NPR3406 - 10 exit code read attempts</p> <p>If Global Message Sending for the event Job not ok, or execution error is enabled, and if after multiple read attempts no exit code message could be retrieved from the SYSOUT of a UNIX or Windows job, a global message (e.g. Email) will be sent.</p> <p>Example: Entire Operations Monitor</p> <pre>(DAEF 55D) on 04.04.2024 at 11:17:57Owner NOPALL - Network N4138A - Run 17 - Job ASYNC-001... Execution Node 518 (npr_pcsn02) - JobId 9624Event: NPR3406 Exit code message not foundNPR3406 Exit code message not found10 Exit Code Read Attempts failed... Message generated on 04.04.2024 at 11:17:57</pre>
NOPALL-4144	<p>Input Condition Check Issue</p> <p>Disabled Round Robin mechanism in prerequisite checking.The field EOR-JOB-ACTIVE.A-RR-POSITION is obsolete now.</p> <p>GDA1---G.G-USE-PQC-ROUND-ROBIN is also obsolete.</p>
NOPALL-4148	<p>Dummy job executed although execution node not available / Follow-up SI-547036 HF55 -NOPALL-4069 - NAT1316 in SYSEOR/PQC----P line 6942</p> <p>Avoid NAT1316 at multiple locations in PQC----P.</p>
NOPALL-4152	<p>Since NOP552 CF3 jobs receive error message EOR1329 - A JCL record is longer than 80 characters</p> <p>z/OS: Skip the JCL line length check (introduced with NOPALL-3664). If the record does not begin with '//'-, the record begins with '/*'.</p>

Problem	Short Description
NOPALL-4147	<p>Symbol Search Order Extension - Additionally search other Symbol Tables of Active Network</p> <p>If a symbol could not be found in the search hierarchy up to 'NA' (network active), it will be searched additionally in the new level 'NO' (network active - other symbol tables). This will be done before checking the 'OD' (owner default) and 'SD' (system default) symbol tables. The additional search is intended for the following case: An active symbol is being written by the API into a symbol table which in its superdescriptor has the active network's owner, the network and the run but is not defined on network or job level. This includes the case in which no symbol table is defined on network or job level.</p>
NOPALL-4154	<p>Linux: execvp errno 26 = ETXTBSY; Process times for accounting not found</p> <p>NOTE The main correction comes in NPROS 2.1.17 CF3 with NPROS-419. Correction here: Unification or UNIX (Linux) script frame exit codes for specific events. These are contained in the new LDA.</p> <pre> KONXEC-L.* 1 KXEC-EXECVP-ERROR I 4 CONST<100>* -- execvp error* 1 KXEC-EXECVP-TEMP-ERROR I 4 CONST<100>* -- execvp temporary error 1 KXEC-SYSOUT-TOO-LARGE I 4 CONST<101>* -- SYSOUT too large* -- used for NPR/Windows too 1 KXEC-SIGTERM-RECEIVED I 4 CONST<102>* -- signal SIGTERM or SIGKILL* -- received 1 KXEC-SCRIPT-NOT-FOUND I 4 CONST<103>* -- (user) script not found 1 KXEC-EPILOG-SCRIPT-ERROR I 4 CONST<104>* -- epilog script not executable* -- etc. 1 KXEC-SUBMIT-ERROR I 4 CONST<105>* -- (other) submit error* 1 KXEC-EXECVP-PERM-ERROR I 4 CONST<120>* -- execvp permanent error ↵ </pre>
NOPALL-4163	<p>EOR0339 - Maximale SYSOUT-Groesse 0 MB ueberschritten</p> <p>UNIX and Windows jobs: For 'SYSOUT too large' the exit code 101 (= KXEC-SYSOUT-TOO-LARGE) will still be set by the script frame generated by NOP. The prohibition of SYSOUT actions for excessive SYSOUT is no longer depending on exit code 101.</p> <p>Instead, the NPROS flag nprJobSubmit.sysoutTooLarge[0] (Natural equivalent: XS-JOB-A.XS-JSU-SYSOUT-TOO-LARGE) will be checked. The flag was added to NPROS for NPROS-404, and is available with NPROS 2.1.17 CF1 or above. Setting the exit code 101 in a user script does no longer cause an unwanted 'SYSOUT too large' handling. Note: SYSOUTs that exceed defined maximum SYSOUT size can still be browsed up to the 'SYSOUT Line Limit' if it is defined in the NOP defaults.</p>

Problem	Short Description
NOPALL-4164	<p>Windows: Job exit code 1 not triggering a failure</p> <p>The SYSOUT size determination and comparison for Windows jobs (in the script frame) was corrected. The handling of Windows job exit codes was checked. End-of-job actions for 'job not ok' and / or for specific exit codes are performed correctly. The handling is analogous to UNIX jobs.</p>
NOPALL-4160	<p>Redundant log texts with symbol resolution</p> <p>The job submission modules which invoke NOPSYR8N (symbol replacement routine) provide a table for already logged symbol replacement. In NOPSYR8N: If a replaced symbol is already in the table P-ALREADY-LOGGED, it's logging will be skipped.</p>
NOPALL-4131	<p>CUI and GUI - Network start time modification faulty</p> <p>Before this fix, whenever the time for network start and the time for job start were different, this difference was added to the difference of old and new network start.</p> <p>This is fixed now and network start time modification works as expected.</p>
NOPALL-4155	<p>NOP 5.5.2 CF11 + HFs 55-57: NAT1316 in PQC----P - other line</p> <p>PQC----P: Execution node index #ENI will be re-determined, if not in valid range.</p>
NOPALL-4177	<p>Follow up of NOPALL-4090 CUI: EOR4000 -</p> <p>Editor-Error: ADD - Cannot allocate BP block</p>
NOPALL-4132	<p>NOP 552 CF12 several corrections</p> <p>All mentioned corrections are done.</p>
NOPALL-4174	<p>Question (NOP552 CF10): Task09 (Message sending) Status: pending triggers and pending triggers at other Task07 (activation)</p> <p>Some enhancements and corrections of the error handling for cases such as EOR3263 - Kn. 867 - Service NPR_NI1DPDPILX not definedEOR3215 - Kn. 867 - Service NPR_NI1DPDPILX not in SYSSATU/SATSRV. Excessive logging and message sending could not be observed for this case in the NOP development environment.</p>
NOPALL-4142	<p>Erroneous usage of BS2000 user IDs for NPR/UNIX node logon during job execution tracking</p> <p>Several coding enhancements for the setting and checking of the operating system class of nodes.</p>
NOPALL-4031	NOP Reactions on ESA: ESY5999 TCP:connect:111:Connection refused.
NOPALL-4170	<p>Cleanup or Deactivation cause Detection of Input Condition Reference LNT</p> <p>Several corrections for the input condition reference LNT.</p>
NOPALL-4182	<p>Recovery Repetition not working with "non Recovery-Jobs"</p> <p>In NOP 552 CF1, a recovery is also possible for jobs which don't have the special type 'R' (for recovery only). Until now, the customer's issue was not reproducible. The code changes for this iTrac are for robustness, error handling, logging etc. Also fixed an issue with status</p>

Problem	Short Description
	1000 (passive wait) and stacked status 2500 (prerequisite check). This might be related to NOPALL-4197.
NOPALL-4198	CUI and Batch: Report "Accounting Data" is empty Conditions for read loop were faulty. Fixed the read loop by redefining the field and comparing it with another field.
NOPALL-4199	Accounting Data for BS2000 Jobs: CPU Time missing Jobs running on BS2000: Corrected the propagation of the CPU time into the accounting data.
NOPALL-4195	NOP - Error in IE-EXA-P - Less Objects and Owners are exported after upgrade to CF11 IE-EXA-P : Avoid NAT1108IENMX1-N : Avoid NAT1143
NOPALL-4207	NOP 5.5.2.12: Symbol is unexpectedly resolved from 'other active Symbol Table of Network' - caused by NOPALL-4147 N004207A is a special module to replace NOPSTW-N. With this, NOPALL-4147 can be rolled back until NOPALL-4209 will be available.

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 11

Problem	Short Description
NOPALL-4114	OGC 5.5.2 CF10: Last 20 lines duplicated during SAVE with JCL Loc
NOPALL-4098	Follow up of NOPALL-4081 and SI-548810 for 5.5.2 CF10- Usage of NOP API NOPUNX1N - LOGOUT during READ-FILE Loop
NOPALL-4120	MAC-GE-P does not catalog MACROs for job type DAT
NOPALL-4079	OGC: MACRO JCL Command TEST - NAT0610 This statement is not permitted in reporting mode
NOPALL-4038	New 'effective to' attribute in the Network Schedule Definition
NOPALL-4123	CUI: Stuck in NOP Active Scheduling Parameters Screen - follow up to NOPALL-4062
NOPALL-4133	Multiple UNIX nodes with same node number - No EOJ actions of uninvolved jobs
NOPALL-4128	Export of EOJ string check omits leading blank
NOPALL-3958	Browse of Sysout on ESA node without password gets ESY5510 Instead of being prompted for the password
NOPALL-3898	CUI on Linux, using ESA BS2000 node: Manual logon necessary for SYSOUT Browsing
NOPALL-4084	MACRO TEST: Email for missing Symbol: Context Information missing
NOPALL-4069	Dummy job is executed although execution node is not available
NOPALL-4070	Email Sending - Loop, if wildcard in attachment
NOPALL-4062	CUI: Stuck in NOP Active Scheduling Parameters Screen
NOPALL-4089	Multiple symbol values are cut to 54 characters by symbol function MV (multiple value)

Problem	Short Description
NOPALL-4082	Follow-up for NOPALL-4026 - No Event, when 'File in Use' message is issued for SYSOUT copy to BS2000
NOPALL-4088	OGC 5.5.2.10 - Saving large JCL with Location NAT causes error EOR4000 - Editor error: STAT 504 Session does not exist
NOPALL-4090	CUI: EOR4000 - Editor-Fehler: ADD - Cannot allocate BP block
NOPALL-4095	NOP 552 CF10: CUI: JCL location change on ActiveQueue doesn't work any more
NOPALL-4096	Error in NOP: PQC-SY-N 1455 - JV def. record missing
NOPALL-4117	Monitor Error NAT3145 in JARSPWFN Line 1630
NOPALL-4074	Monitor Error NAT3009 in JA-SCS-P Line 2410
NOPALL-4093	NOP 5.5.2.CF10 - Follow up of SI-492225 and NOPALL-3894 - Input condition reference WCW-1 does not work over turn of the year
NOPALL-4097	Truncation of File Name with DAT Job
NOPALL-4094	OGC 552 CF10 - JCL Load Mode 'S': Changes to the active JCL of a job are not taken into account when the job is repeated
NOPALL-4106	NOP543/13 CL-SYA-P 2120 NAT3113 Specified ISN invalid. DB/FNR/Subcode 216/36/0
NOPALL-2873	OGC: Direct 'OPEN Natural Member' function in Job Definition dialog

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 10

Problem	Short Description
NOPALL-4081	Usage of NOP API NOPUNX1N - LOGOUT during READ-FILE loop, when NP
NOPALL-4080	Batch catalog of MACROs abends when one member cannot be cataloged
NOPALL-4035	z/OS: MACRO JCL loaded incompletely - sporadically
NOPALL-4029	Job in passive wait for resource, but resource available
NOPALL-4021	NOP 552 CF10 several corrections
NOPALL-4037	OGC - Error NAT1316 while attempting to set a condition, within Network Graphics
NOPALL-4048	After using wildcard for profile when adding a new user, user won't be added
NOPALL-4005	Error NAT3144 in line 5595 of JA-DJ--P
NOPALL-3980	NOP 5.5.2.8 + Hotfix 31: NOP on UNIX: Error NAT0104 occurs during batch catalog
NOPALL-4057	P-REPEAT and P-REPEAT-COUNT symbols faulty
NOPALL-4051	Recursive Symbol Resolution in Input Conditions
NOPALL-4008	BS2000 LMS Member Name in Job List of Network only 8 Characters
NOPALL-4054	NPR Node not active - due to end-of-job check issues for excessive UNIX SYSOUT size --> SYSOUT Size Limit
NOPALL-4042	OGC/RPC - EXX10030069 opening SYSOUT (for one user only) after NPR upgrade
NOPALL-4071	OGC - DAT Job cannot be defined for BS2000 execution nodes (ESA)
NOPALL-4073	Error handling using program MAC-GE-P (MACRO Generation)

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 9

Problem	Short Description
NOPALL-4027	OGC and NOW: Waiting for: Actions for active Input Conditions dep
NOPALL-3894	Input condition reference WCW-1 does not work over turn of the year
NOPALL-3987	CAPS setting cannot be saved in SAG Editor
NOPALL-4010	BS2000: Line wrap undercuts subsystem specific double-slash
NOPALL-3979	SYSOUT Browsing: UNIX SYSOUT not found, after SYSOUT Copy to BS2000. GUI OK.
NOPALL-4006	Finish editing JCL with SAVE will not save last change
NOPALL-3998	Follow-up of itrac NOPALL-3966: Blockade Situation with Resources
NOPALL-3981	Cyclic job: JCL load behavior, load mode 'S'
NOPALL-4020	SYSOUT Browsing Issues with UTF-8 characters
NOPALL-4026	No Event, when 'File in Use' message is issued for SYSOUT copy to BS2000
NOPALL-4028	NAT-Error in symbol function in input condition check causes emergency Monitor shutdown[or abend
NOPALL-3991	When calling a subnet with more than 5 levels, the subnet is not 'terminated'
NOPALL-3971	Logon Prompt to Linux Node with unresolved Symbol in User ID
NOPALL-3978	OGC: Deleting an active input condition: EOR0070 - No Objects found for Selection Criteria
NOPALL-3977	Import/Export several runtime errors
NOPALL-3972	Batch Cataloging of MACROs on UNIX - MAC-GE-P - EOR4000 - Editor Error: UPDM 504 Session does not exist
NOPALL-3982	End-of-job action - Set symbol - Length > 80
NOPALL-3984	NOP on Linux: SAG Editor of active JCL duplicates or triples last line after editing
NOPALL-3976	MACRO JCL Loading: Logon to Execution Node (an ESA node): NPR5510
NOPALL-3993	Error in Symbol Function TIMN
NOPALL-3983	Export Network Defintion HIST-DAY= is displayed with 1 day delay (Tag Versatz) gespeichert
NOPALL-4000	NPROS node disappears from system without error messages - NOP Part
NOPALL-3994	Usage of Symbol Function ?W with Recursive Symbol Resolution
NOPALL-3986	NAT Member as EOJ Exit - Library SYSEORU has precedence before user-defined library
NOPALL-4007	Import function refuses EOJ-Action with Symbol length > 20
NOPALL-4001	NOP 5.5.2.8 + Fix31-35: Logon error leaked into other job
NOPALL-3989	File existence check with symbols, that are created during the network run
NOPALL-4025	No short Text with EOJ Action 'Symbol Setting', if Symbol missing

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 8

Problem	Short Description
NOPALL-3947	User in OGC has Access to Active Jobs w/o Access Rights in NOP (N
NOPALL-3949	BS2000 Job Variable Checking via ESA: Monitor Task Usage is too high
NOPALL-3955	File Existence Check with wildcard: Error message instead of defined action
NOPALL-3875	OGC - NAT0104 error during TEST or MACRO function of a MACRO
NOPALL-3961	Recursive Symbol Resolution in Input Conditions
NOPALL-3963	File Existence Check with long Pathname ignored
NOPALL-3959	Multiple symbol values are cut to 54 characters by symbol function MV (multiple value)
NOPALL-3917	BS2000 via ESA: EOJ Checking, Input Condition depending on Job Variable: Handling of 'Node not active'
NOPALL-3953	Import - Status 'aborted' import despite success
NOPALL-3860	Error with Monitor Defaults / Monitor UserId
NOPALL-3967	Node level user id is not honored as Submit User ID in the search hierarchy
NOPALL-3965	Node as a Symbol - Evaluation Error
NOPALL-3905	Remove OPO from NOP - CUI and Monitor
NOPALL-3966	Blockade Situation with Resources
NOPALL-3936	Input Condition Type DUM with Symbol Value not honored
NOPALL-3858	EOR2030 Monitor-Fehler NAT0082 in . Zeile 0
NOPALL-3923	NAT1305 in RN-TI--N line 2995
NOPALL-3930	OPJACJ-N: Typo Correction
NOPALL-3929	Error NAT1305 in IENMX1-N line 1340
NOPALL-3932	Error NAT0938 in DI-DF--N line 380 with HotFix OP55218 / NOPALL-3820

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 7

Problem	Short Description
NOPALL-3892	Email notification: Error message not displayed correctly
NOPALL-3895	Condition with reference DUM - subsequent condition depending on BS2000 file is not evaluated - prerequisite for NOPALL-3882
NOPALL-3868	NOP on UNIX: SAG Editor randomly displays wrong characters in BS2000 SYSOUT
NOPALL-3893	EOJ check, string check in file, job start escape character in fields 'String' and 'in File'
NOPALL-3897	No "Ended not OK" if SYSOUT limit reached and default setting 'Interrupt End-of-Job Checking on BS2000' = B
NOPALL-3886	"?*TIMN" built-in symbol: leading zeroes missing before 10:00
NOPALL-3865	Number of Active Jobs > 100
NOPALL-3850	API NOPUNX1N - Add F-LINE-LIMIT in parameter area NOPUNX1A

Problem	Short Description
NOPALL-3913	Symbol Resolution in File Existence Checks not at Activation Time
NOPALL-3914	Input Condition: File Existence Check Fails because of Error: Condition fulfilled
NOPALL-3827	UNIX script frame - Don't use realpath command, where it is not available
NOPALL-3829	OGC Server - Report 'Activation Overview' Message data is not language dependent
NOPALL-3826	Report RE-ACO-P - Usage improvements due to performance issues
NOPALL-3828	Two entries are generated per activation - one with Type: API and one with Type: Planned - NOP 543 CF21
NOPALL-3832	Additional network execution day displayed at the turn of the year
NOPALL-3857	OGC/ESA - ESY5799 at BS2000 LMS Member Selection
NOPALL-3835	NOP on UNIX: API NOPUMT3N does not find SYSERR messages for library SYSEOR - ESY5999 TCP:socket:24:Too many open files
NOPALL-3842	OGC Server ? NAT1316 if too many filters exist for one user
NOPALL-3848	CUI: User Definition and Profile / Selection Criteria: Enable modification for General Users
NOPALL-3855	NAT1316 in OPJAOP-N Line 4946
NOPALL-3839	Symbol Function D: Error Handling for missing Calendar
NOPALL-3854	Node Default User IDs - Differences between NOP and OGC
NOPALL-3861	NAT1305 in ICDJV--N Line 3440
NOPALL-3820	Linux: Job result not-ok although it ran with return code 0, if 'command not found' detected in SYSOUT
NOPALL-3870	Transfer to NOM even if EOJ action has been removed in active Job
NOPALL-3869	Job type DAT: When transferring files with NPR, characters are swallowed
NOPALL-3878	API NOPURE2N doesn't block Resource across Network
NOPALL-3884	Input condition reference DUM - File existence check without rights: job is started
NOPALL-3890	Faulty re-activation, if latest start time exceeded
NOPALL-3880	Error in EOJ Definition and Execution, if Symbol Value is longer than 80 Characters
NOPALL-3862	Inheritance of Parameter Values from Network to JOB: BS2000 Account Number
NOPALL-3885	OGC: Job type DAT: Changing the target file in the active run not possible
NOPALL-3891	OGC/ESA - ESY5799 at BS2000 LMS Member Selection - NOP RPC Server Correction

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 6

Problem	Short Description
NOPALL-3761	OGC: EOR0240 at JCL location modification from TXT to NAT
NOPALL-3773	OGC-Server: Incomplete error message text for NAT0104
NOPALL-3779	NOP543 CF20: RE-ACO-P causing performance issue - more logging for a
NOPALL-3785	Usage of symbol functions ?D and ?W
NOPALL-3788	BS2000: SYSOUT Selection only shows last Repetition (Current JobId)
NOPALL-3790	NOP 552 CF6 several corrections
NOPALL-3801	Export: EXECUTION-NODE Node Number vs. Short Name
NOPALL-3803	EOR2030 - Monitor Error NAT3009 in PWT----P Line 3430
NOPALL-3804	Set NOP Job to DUM using symbols in input condition doesn't work in
NOPALL-3809	Job definition: Symbol replacement in SYSOUT user ID
NOPALL-3821	OGC - after JCL regeneration and release from hold: job starts witho

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 5

Problem	Short Description
NOPALL-3427	Validate expiration date in license key at session start
NOPALL-3766	SYSEOR7065 and SYSEOR7254 are not included in NOP552 CF3
NOPALL-3767	Log status 7528: Symbol not found - Follow-up for NOPALL-3754 and N
NOPALL-3768	Error paging on ActiveQueue - PF7 and PF8
NOPALL-3770	JA-SCS-P Line 1940 Error NAT3009
NOPALL-3772	API NOPUCS1N Function=2, Object Type=S -> RC 103
NOPALL-3786	NAT0966 in RSM-US-N Line 9750
NOPALL-3789	Doc: Input condition reference AAC, Corrections + reference YYYYMMDD

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 4

Problem	Short Description
NOPALL-3713	Provide exact number of runs on CUI Active Queue
NOPALL-3718	E-Mail notification about network waiting for symbol prompting - Pos
NOPALL-3721	Monitor Error NAT3041 in NOPSVMN Line 1370
NOPALL-3725	z/OS: No node logon possible to "technical" RACF userid without pass
NOPALL-3728	Unexpected error message 'ICDMS--N 5160 - #EOR-ERC: 70' by using Inp
NOPALL-3732	CUI: z/OS RACF Security Error Handling for JCL Definition
NOPALL-3734	EOR Import fails with error NAT1319
NOPALL-3738	NOP 5.5.2.3 export file cannot be imported to same version

Problem	Short Description
NOPALL-3739	A network activated in the OGC does not appear in the Activation Sum
NOPALL-3740	NOP 543 CF19: Missing objects during Export with IE-EXA-P
NOPALL-3742	NOP EOJ Action "T" ends with NPR FILE/COPY Error
NOPALL-3745	OGC: Using nodes in cross-references
NOPALL-3747	Powershell exit code not carried through
NOPALL-3749	Monitor should not be started from MENUEOR in Batch Mode
NOPALL-3754	Input Condition depending on Symbol: If symbol missing, always wait
NOPALL-3755	New julian date formats in symbol function 'D'

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 3

Problem	Short Description
NOPALL-3161	API NOPUAC5N - add latest start time (in hours) parameter
NOPALL-3656	NOPUNX1N Password only A16; no enciphered password possible
NOPALL-3658	Server functionality to serve GoJS coordinates
NOPALL-3659	BS2000 Submit: Long lines will be cut at column 80
NOPALL-3667	EOR5509 - Logon fehlerhaft, Kn. 1070 User ID SB - in job execution t
NOPALL-3670	CUI Calendar list: Wrong behaviour in filtering owners
NOPALL-3674	NOP Logfile (SATLOG) grows after migration NOP 5.4.3 CF14 to 5.5.2 C
NOPALL-3678	z/OS: No node logon possible to "technical" RACF userid without pass
NOPALL-3679	Error by using empty symbol tables by activating a network - Follow-
NOPALL-3685	Unnecessary continuation lines when starting a job in BS2000 from NO
NOPALL-3691	More than 100 symbol tables in active Network
NOPALL-3693	OGC (Server): Edit of active JCL fails with more than 100 Lines
NOPALL-3697	Report RE-ACO-P: Performance in Batch Mode
NOPALL-3699	Input Condition depending on Symbol: No Log Message, if Symbol is mi
NOPALL-3700	Incomplete SYSOUT transfer from Linux to BS2000
NOPALL-3702	Pre-filled Values For Escape Characters In Job Definition
NOPALL-3704	NAT program defined as EOJ action is executed at network activation
NOPALL-3706	OGC + CUI - EOR1070 - Networks can't be deleted

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 2

Problem	Short Description
NOPALL-3341	OGC Import / Export e-mail messages: Correction of header and conten
NOPALL-3385	CE: Next scheduled network starts: Deactivate all active Networks in
NOPALL-3478	Temporary elements in library SYSEORU not deleted
NOPALL-3486	Additional network execution displayed at the turn of the year
NOPALL-3515	Performance: Check necessity of Node Logon before Linux Job executio
NOPALL-3563	OGC - Export Summary missing
NOPALL-3564	Pre-generated JCL overwritten, if a network has several versions
NOPALL-3619	NOP 552 CF2 several corrections
NOPALL-3623	NOP does not replace variable for Email for network
NOPALL-3624	Utility to list jobs with empty or invalid JCL userid or submit user
NOPALL-3634	Suspension functionality: Post-corrections
NOPALL-3635	z/VSE Corrections
NOPALL-3636	EXPORT ALL Parameter for IE-EXA-P need to be corrected
NOPALL-3638	Monitor Error NAT0966 in SYSEOR/EJC---P Line 6774
NOPALL-3639	EOR2030 - Monitor Error NAT1305 in RSM-US-N Line 8200
NOPALL-3641	Some adaptations for the ESM Adapter (BS2000)
NOPALL-3647	Unnecessary logon requests with "Submit Security User Type" = Owner
NOPALL-3648	Definition of a job suffix symbol for dynamic use
NOPALL-3649	NOPUT1-P: API NOPUSY7N invocation: Multiple symbol reading with 'N'
NOPALL-3651	Browsing BS2000 SYSOUT from NOP on UNIX fails with 'SO-XB--P 1500 -
NOPALL-3653	Pgm SYSEOR/CL-JA--N Line 2990 Error NAT1257/0000

Entire Operations (NOP) Version 5.5.2 Cumulative Fix 1

Problem	Short Description
NOPALL-2986	Loading JCL fails due to Invalid UserID
NOPALL-3481	Active condition list: Show modification date + time, instead of act
NOPALL-3561	Import v551/4 rejects jobs (migrated from v543) dependent on symbol
NOPALL-3567	NOP 552 CF1 several corrections
NOPALL-3569	BS2000 openFT Usage - Continuation
NOPALL-3571	Symbol table missing when Network export is executed via batch job
NOPALL-3575	Network Export from Owner SYSTEM impossible
NOPALL-3576	Active Job - SYSOUT Browsing (CUI) - File name in header incorrect,
NOPALL-3590	The "Day Deadline" is not observed

Problem	Short Description
NOPALL-3591	EOR2030 - Monitor Error NAT3009 in SYSEOR/IRREL--N Line 2455
NOPALL-3597	CUI: Change Monitor Node: NAT3144 in DF-MO--P line 5160
NOPALL-3602	Unexpected 'Logon failed' global message during job execution tracki
NOPALL-3603	EOJ Action "Set Symbols Y" not imported correctly

Entire Operations GUI Client (OGC) Version 5.5.3 Cumulative Fix 02

Problem	Short Description
NOPALL-4268	Make 'SYSOUT Line Limit' Owner Dependent
NOPALL-4310	OGC - OGC to cater for Send to SYSOUT Store flag
NOPALL-4201	Wrong message for "Where used" in: Waiting for prerequisites
NOPALL-4274	OGC - Monitor Status Window - Status text truncated
NOPALL-4277 OGC	Network Master / Define Scheduling - Day deadline not modified
NOPALL-4309	Job Master/EOJ Checking: OPCMPNIS 1130 NAT1322

Entire Operations GUI Client (OGC) Version 5.5.3 Cumulative Fix 01

Problem	Short Description
NOPALL-4265	OGC Part for NOPALL-4226: Utility or API requested to delete remaining active conditions of de-activated runs.
NOPALL-4239	OGC - "Symbol instance" of a JM Input Condition missing
NOPALL-4222	OGC: Add some fields for 'EOR Defaults' <ul style="list-style-type: none"> <listitem> Search symbols also in other symbol tables of active network </listitem> <listitem> Show installed ESM Products </listitem> <listitem> Maximum SYSOUT Size (in MB) </listitem> <listitem> SYSOUT Store Node </listitem>

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 12

Problem	Short Description
NOPALL-4115	OGC: Error when displaying an active symbol table - NAT6971 Connection error on Client, reason 09
NOPALL-4166	Report 'Network Description (detailed)' incorrect depending on the impact or release cycle Completed
NOPALL-4167	OGC- Crash ESM-GUI (Natural 9.2.1.0 & Natural 9.1.1.0)
NOPALL-4191	OGC - Disable z/VSE in GUI
NOPALL-4200	OGC - Waiting for Job Active: EOR9998 - EOR internal error has occurred.
NOPALL-4204	OGC - Display Accounting for Job with more then 1000 runs

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 11

Problem	Short Description
NOPALL-4101	OGC- Network Master with more than 999 lines "Long Description" => NAT1305
NOPALL-4126	OGC - New 'effective to' attribute in the Network Schedule Definition

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 10

Problem	Short Description
NOPALL-4067	OGC 5.5.2.9 - Error NAT1316 in Node List Display
NOPALL-4008	BS2000 LMS Member Name in Job List of Network only 8 Characters

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 9

Problem	Short Description
NOPALL-4027	OGC and NOW: Waiting for: Actions for active Input Conditions depending on anything are not grayed out
NOPALL-3978	OGC: Deleting an active input condition: EOR0070 - No Objects found for Selection Criteria
NOPALL-3830	OGC - WorldView shrinks when expanding the network view
NOPALL-3819	OGC - wrong job sequence in network plan at actualization

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 8

Problem	Short Description
NOPALL-3950	OGC: Active Jobs Filter: Not Accessible Owners offered
NOPALL-3948	OGC - Reactivate not grey despite there is no right to do so
NOPALL-3943	Remove OPO from OGC and NOW
NOPALL-3922	Remove Job Type SAP (JEXA4S) from OGC and NOW
NOPALL-3920	User in OGC has Access to Active Jobs w/o Access Rights in NOP

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 7

Problem	Short Description
NOPALL-3885	OGC: Job type DAT: Changing the target file in the active run not possible
NOPALL-3867	OGC Report - Detailed Network Report is incomplete
NOPALL-3855	NAT1316 in OPJAOP-N Line 4946
NOPALL-3854	Node Default User IDs - Differences between NOP and OGC
NOPALL-3846	OGC - NSC - Browse Sysout failed with certain passwords
NOPALL-3842	OGC Server – NAT1316 if too many filters exist for one user
NOPALL-3829	OGC Server - Report 'Activation Overview' Message not language dependent
NOPALL-3828	Two entries are generated per activation - one with Type
NOPALL-3822	OGC - Performance with huge networks in network plan

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 6

Problem	Short Description
NOPALL-3818	OGC - object name confirmation at job re-submit mandatory?
NOPALL-3793	OGC: The network version is displayed incorrectly
NOPALL-3730	Provide exact number of runs on CUI Active Queue - OGC and NOW adaptations and testing

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 5

Problem	Short Description
NOPALL-3765	OGC: Report CNV delivers wrong values

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 4

Problem	Short Description
NOPALL-3745	OGC: Using nodes in cross-references

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 3

Problem	Short Description
NOPALL-3692	OGC: It is not possible to repeat an Import because the Repeat button is inactive

Entire Operations GUI Client (OGC) Version 5.5.2 Cumulative Fix 2

Problem	Short Description
NOPALL-3637	OGC – Resubmit Job-Active: <Yes to All> requested
NOPALL-3622	OGC: Browse - Edit error in Diagram mode