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***** README.TXT *****
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* Product:           Natural
* Platform:         Windows
* Version:          9.1.2 PL 0
* Date of creation: 2019-10-08
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 - 1. Installation
 - 1.1 Entire System Management GUI Clients

Natural 9.1.2 contains the following versions of Entire System Management GUI clients:

- Output Management GUI Client (NGC) 3.5.1
- Entire Operations GUI Client (OGC) 5.5.1
- Mainframe Navigation 9.1.2
- ESM GUI Framework EGF 3.5.1

Before installing this Natural for Windows version, you should verify that the requirements for all contained Entire System Management GUI client versions are fulfilled in your environment. For example, NGC 3.4.3 requires availability of Entire Output Management (NOM) 3.4.3 on the server platform.

The online help was created at an early stage of the product freeze phase. The most recent information is included in the Entire System Management documentation which is provided in Empower.

2. Changes and Enhancements

n/a

3. Restrictions

3.1 Intended Incompatibility to Natural on Mainframe Computers

The underlying architecture of the different operating systems that are supported by Natural made it necessary to implement some features in a platform-specific way. This means that they will work differently on mainframe and Open Systems platforms. These features are described in the following.

3.1.1 DEFINE WINDOW Statement

The size of the windows and the visible fields within a window differ slightly because of the attribute bytes of the mainframe computers (see the SIZE clause of the DEFINE WINDOW statement). The POSITION clause of the DEFINE WINDOW statement is not evaluated. Overlay lines which are positioned on the screen (%WP or CONTROL clause of the DEFINE WINDOW statement) are displayed behind all open windows because they belong to the main screen. Note: If multiple windows are visible, you can move a background window to the front by positioning the cursor in it.

The terminal commands %WX and %WY are not implemented; they are only available on mainframe computers.

3.3 Database Type ADA2

A database ID that has been defined as database type ADA2 in the global configuration file must not be referenced as physical database ID in an LFILE definition.

The physical database ID in an LFILE assignment has to refer to a database of type ADA.

3.4 Debugging Natural Sources

If an error is found in a Natural source during debugging and you want to continue debugging with the changed and cataloged source, you first have to stop the debug session. After that, you can restart the debug session with the changed and cataloged source.

4. Known Issues

4.1 Online Help

The online help was created at an early stage of the product freeze phase. The most recent information is included in the Natural for Windows documentation which is provided in Empower.

4.2 Contents of the HTML Online Help may not be Displayed

The contents of the Natural HTML online help may not be displayed after installing security update 840315, security update 896358, security update 890175.

To solve this problem, please refer to the following pages:
<http://support.microsoft.com/kb/892675>
<http://support.microsoft.com/kb/896054>

4.3 Empty Taskbar Icon Win10 and Windows Server 2016

When starting a Natural program on Windows Server 2016 the taskbar icon of the running application includes only an empty space. The same problem occurs when Bufferpool Monitor, Natural Component Browser or Natural Configuration Utility have been started. The missing icon of the application can be made visibly by changing the settings of the taskbar property "Combine taskbar buttons". Please, right klick on taskbar and select "Settings", choose "Never" for "Combine taskbar buttons" property.

The problem is also described on "https://answers.microsoft.com/en-us/windows/forum/windows_10-start/blank-icons-in-taskbar-on-windows-2016/5752f2e9-40f3-42aa-bba5-f1a8ad3f22a6"

4.4 CATALL for Data Areas

When cataloging data areas with the STOW option, the source format of data areas will remain untouched. This means that when a data area has been saved with NaturalONE 9.1.2 and above, the DEFINE DATA format will be kept. To stay downwards compatible with previous Natural versions, we plan to convert back to the internal format in an upcoming version.

5. Solved Problems

For the list of solved problems, see the file README.FIX.

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