HORIZONT

XINFO 4.2

What's new



XINFO 4.2

Release 4.2 is available since June 2020. Two fundamental differences from previous releases:

TCP/IP communication:

Version	Listener	Server Modules	Client Version	Note
4.0	ROTISHD	XXRIXD4	> 4.0	
4.0	ROTISHB	XXRIXD5	>= 4.1 Build 67	Not included in package. Only available on request.
4.1	ROTISHB	XXRIXD5	>= 4.1 Build 67	
4.2	HORILST	XXRIXD6	>= 4.2 Build 79	Shared Package >= V1R0

Shared Package: Load modules commonly used by HORIZONT products are in a separate package.

XINFO 4.2

General enhancements:

- Improved/simplified TCPIP communication
 - New listener HORILST communicates directly with XINFO server no UWORK
 - One XINFO server task supports all encryption modes
 - Prepared for future TLS 1.3 support
- XINFO installation
 - Convert SMF times from seconds to cent seconds (cs)
 - SHRLEVEL REFERENCE in Db2 load statement avoid -911
- ISPF dialog
 - Display load date in result panel no adaption of panels and REXX
 - XINFO batch query (pgm XXRIWT1) supports long SQL > 5000 lines
- PC Client
 - JCL highlighting



XINFO 4.2 – Workload Manager

Enhancements for workload manager scanner:

Automic

- New table "Unused Objects"
- Added information when Agents were active, i.e. Start Time and End Time
- Table "Processing" shows name of included object to answer "Which objects use specific JOBI?"

CA 7

Improved error handling, adapted data types, i.e. Submit Time (TRSBTM)

Control-M

- Support Control-M 8.0 up to 9.0.20
- New table "Capture"
- Added "Mail CC", "Mail Attach Sysout", "Mail Urgency"
- Enterprise Manager: New table for EM-Hosts (NODEIDs)

XINFO 4.2 – Workload Manager

Enhancements for workload manager scanner:

- IWS
 - Support IWSz 9.5 (Operation Dead Line/Start Alert)
 - New table XXRTCPI for CP Workstation Intervals
 - Further improvements
 - Job Run Times in "No. of seconds"
 - Extend columns ADRRDAYP, ADRRDAYN
 - Added length to IWS z/OS JCL Variable Tables
- New IWSd scanner
 - Support IWSd 9.4.0.0 9.5.0.3
- StreamWorks
 - 64-bit scanner to prevent database connection problems
 - Support StreamWorks 2019



XINFO 4.2 - JCL

Support of z/OS 2.4 JCL enhancements:

- NOTIFY statement
 - New JCLERR and SECERR keywords of WHEN parameter
- DD statement
 - SMBVSPI, is added to AMP parameter
- Scan messages are available in XINFO → new table XXRTJSM

XINFO 4.2 - z/OS

Scanner enhancements:

- Beta 92 EJM
 - Changed CHAR to DATE, TIME DB2 data type
 - Enhanced script scanner for #PSSTEP, ##EVENTSTEP, ##REMOTESSH, ##JSLPARM
- Beta 93
 - Added field LREFD (Last_Referenced_Date)
- CICS CSD
 - CICS 5.5 support (new field JOBUSERID)
- DB2
 - Added SYSTEM.SYSTABLES columns CREATEDBY, CREATEDTS, ALTEREDTS to XXRTD22

XINFO 4.2 - z/OS

Scanner enhancements:

- Load module:
 - Changed CHAR to DATE, TIME DB2 data type
- IT Charts
 - Recording of historical runtime data of a period in ITC table.
- SMF
 - CPU times in cent seconds (cs 1/100 seconds)
 - Added SMF30_Highest_Task_CPU -> Determine the "CPU-intensive" tasks
 - Interval activity (STCs) record 30 subtype 2
 - CICS 5.5 support (compatibility support for 5.6)
- Space
 - Merged migrated and backup data into one table
 - Added LRECL to migrated and backup data
 - Added ATTRIBUTES, ENCRYPTIONDATA data set data

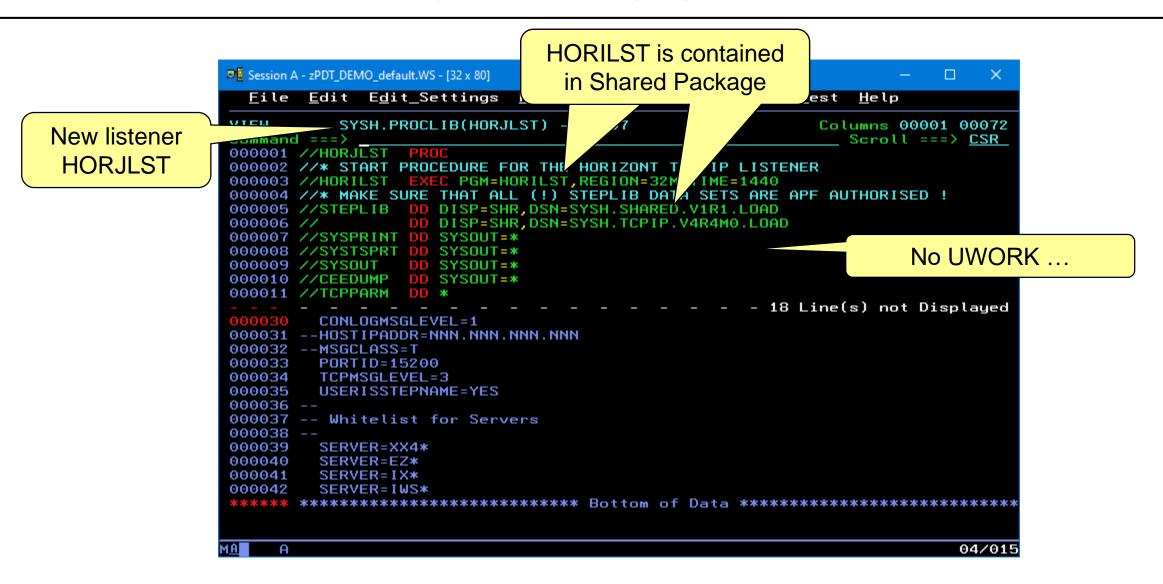


XINFO 4.2 – Source

Scanner enhancements:

- Natural:
 - Which Natural programs use MAPs?
 - Save Time and Catalog Time added to "Natural Libraries"

XINFO 4.2 – TCP/IP Listener





XINFO 4.2 – Server task

```
Session A - zPDT_DEMO_default.WS - [32 x 80]
                    File Edit Edit Settings Menu Utilities Compilers Test Help
                            SYSH.XINFO.V4R2.PROCLIB(XXRJSV42) - 01.01
                  VIEW
                                                                        Columns 00001 00072
                  Command ===>
                  000001 //XXRJSV42 PROC LSTOPT=LSTOPT
                  000002 //
                                   EXPORT SYMLIST=(LOSYM)
                  000003 //
                            (ART PROCEDURE FOR THE XINFO SERVER
                            IF TASK IS CANCELED BY THE SYSTEM WITH SYSTEM ABEND CODE 522, ADD
                            TIME=1440 OR ANOTHER APPROPRIATE VALUE.
                  000007
                  00000
                                        ************************
                                  EXEC PGM=XXRIXD6,
                                                                     New server program
                        // PARM=('RPTOPT(OFF)',
                                 '/UID=&UID'),
                   00012 // REGION=128M
                  000013 //* MAKE SURE THAT ALL (!) STEPLIB DATA SETS ARE APF AUTHORISED !
                  000014 //STEPLIB DD DSN=SYSH.XINFO.V4R2.LOAD,
                   90015 //
                                     DISP=SHR
TCP/IP connection
                   90016 //
                                  DD DSN=SYSH.SHARED.LOAD,
                                                        - - - - 8 Line(s) not Displayed
data from listener
                                                                  - 5 Line(s) not Displayed
                   00032 //TCPPARM DD DSN=SYSH.XINFO.V4R2.PARM(TCPKSRV),
                                     DISP=SHR
                                                                                No UWORK
                  000654 //LSTOPTDD DD *,SYMBOLS=JCLONLY
                  000035 &LOSYM
                  000036 //DEFGLBI DD DSN=SYSH.XINFO.V4R2.DEFGLB,
                  000037 //
                                     DISP=SHR, FREE=CLOSE
                  000038 //LIBSYM
                                  DD DSN=SYSH.XINFO.V4R2.LIBSYM,
                                                                                     04/015
```



XINFO 4.2 – Installation

```
Session A - zPDT_DEMO_default.WS - [32 x 80]
                         Menu Utilities Compilers Test Help
 File Edit Edit_Settings
                                                Block command incomplete
VIEW
          SYSH.XINFO.V4R2.CNTL(XXRJUPD) - 01.00
Command ===>
                                                       Scroll ===> CSR
000242 //SYSIN
000243 SORT FIELDS=COPY
000245 //* COPY JOB RUN TIME RECORDS
000247 //SORTSMF EXEC XXRJSORT,COND=(4,LT)
                DD DSN=SYSH.XINFO.V4R1.DATA.XXRTSMF,
000248 //SORTIN
                                                     Convert SMF Job/Step times
000249 //
                   DISP=SHR
000250 //SORTOUT DD DSN=SYSH.XINFO.V4R2.DATA.XXRTSMF,
                                                          from seconds ...
                  DISP=(,CATLG),
000251 //
000252 //
                  SPACE=(TRK, (2500, 2500), RLSE),
                  DCB=(DSORG=PS, RECFM=FB, LRECL=524)
000253 //
000254 //SYSIN
000255
       SORT FIELDS=COPY
       OUTREC OVERLAY=(110:112,9,119:C'00',
000256
                                                      ... to cent seconds (cs)
000257
                     121:123,9,130:C'00'
                     132:134,9,141:C'00'
000258
                     192:194,9,201:C'00'
000259
                     203:205,9,212:C'00'
000260
000261
                     368:370,9,377:C'00'
000262
                     379:381,9,388:C'00'
                     402:404,9,411:C'00'
000263
000264
                     413:415,9,422:C'00',
000265
                     512:13X)
000267 //* COPY PRINTER RECORDS
000269 //SORTSMP EXEC XXRJSORT, COND=(4,LT)
                                                                 04/015
```

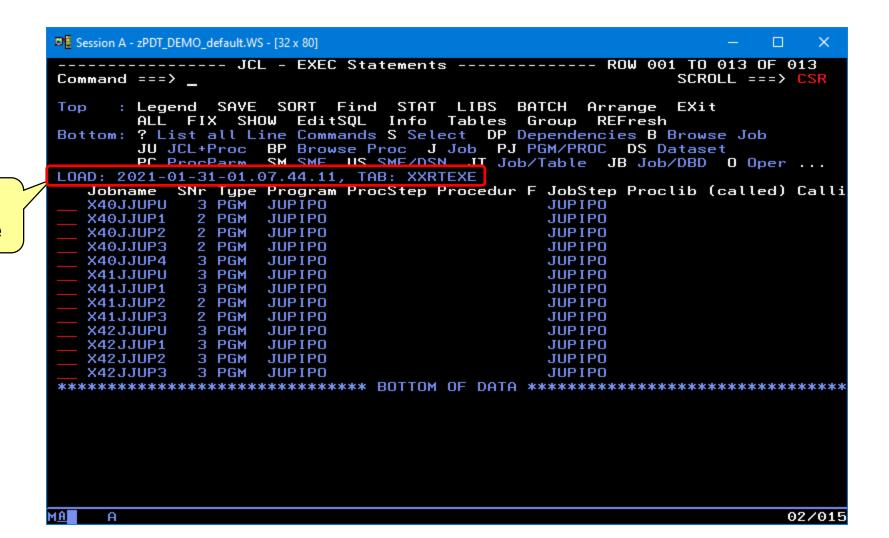


XINFO 4.2 – Installation

```
Session A - zPDT_DEMO_default.WS - [32 x 80]
  File Edit Edit Settings Menu Utilities Compilers Test
EDIT
           P390C.SOW1.SPFTEMP2.CNTL
                                                            Columns 00001 00072
                                                               Scroll ===> CSR
Command ===>
000162 /* GRANTPUB YES/NO SHOULD TABLES BE GRANTED FOR SELECT TO PUBLIC
                                                                             */
                                                                             */
                    YES/NO SHOULD CONCURRENT ACCESS TO THE TABLESPACE OR
                                                                             */
                = "12"
                "COLXXR42"
000200 COLLID
               = "DSNC10.DBCG.RUNLIB.LOAD"
                                                 - - 24 Line(s) not Displayed
000226 SHRLVL
                                                  Db2 statements with
                = "1G"
                                               SHRLEVEL REFERENCE
                = "4"
                "XXRS"
                = "XXRT"
                  "XXRV"
                "XXRX"
000238 DBXSUFF
000239
000241 /* JOBCARD FOR USE IN BATCH PROGRAMS WHICH WILL USE DB2
                                                                          10/002
```

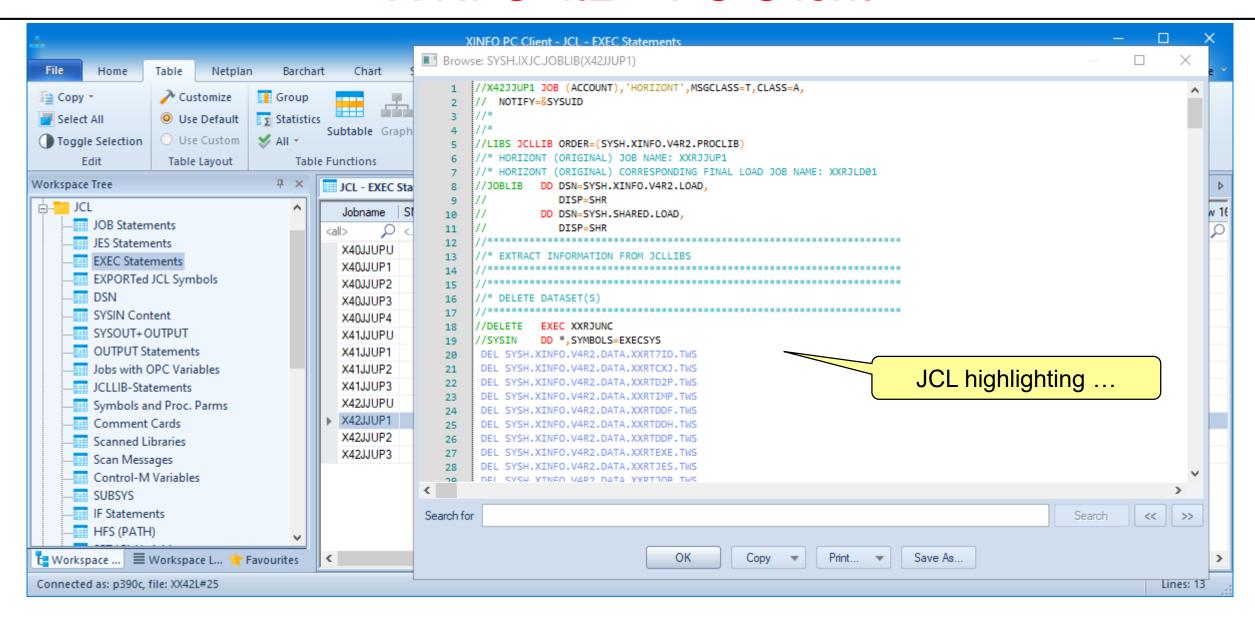


XINFO 4.2 – ISPF Dialog



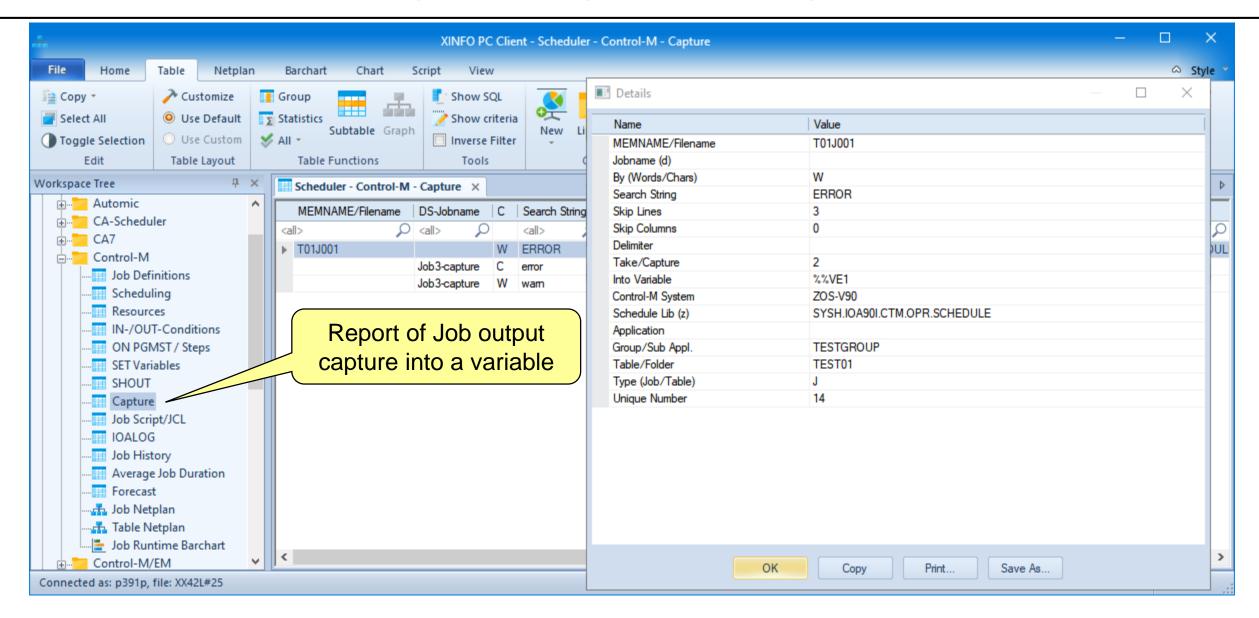
Show load time of table

XINFO 4.2 – PC Client





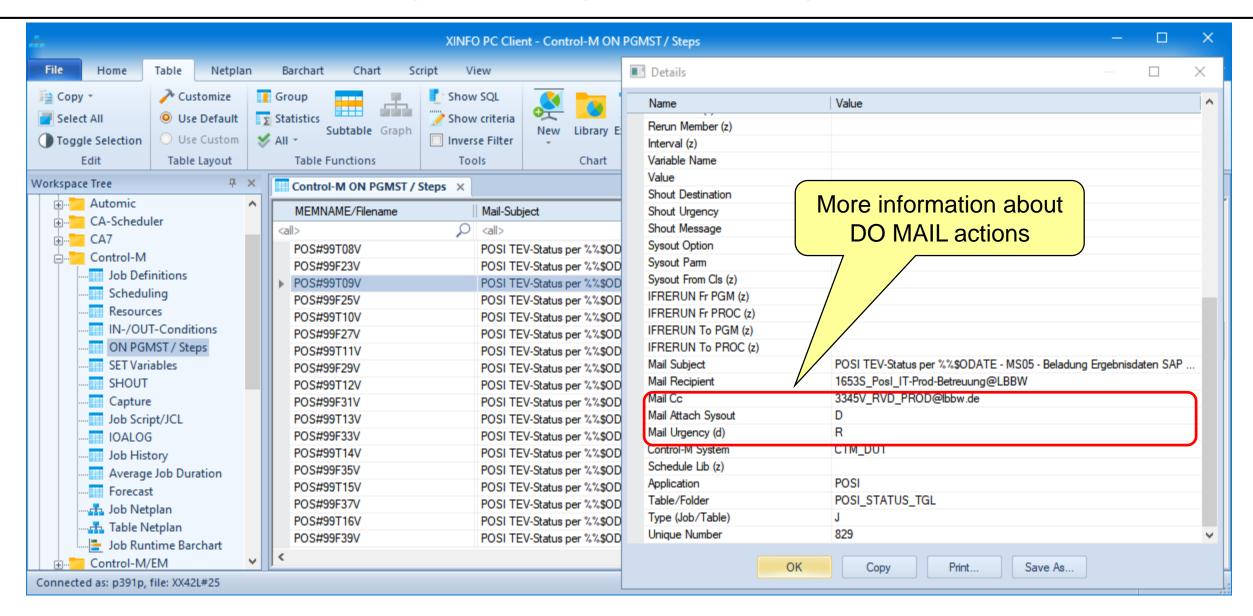
XINFO 4.2 – Control-M Scanner







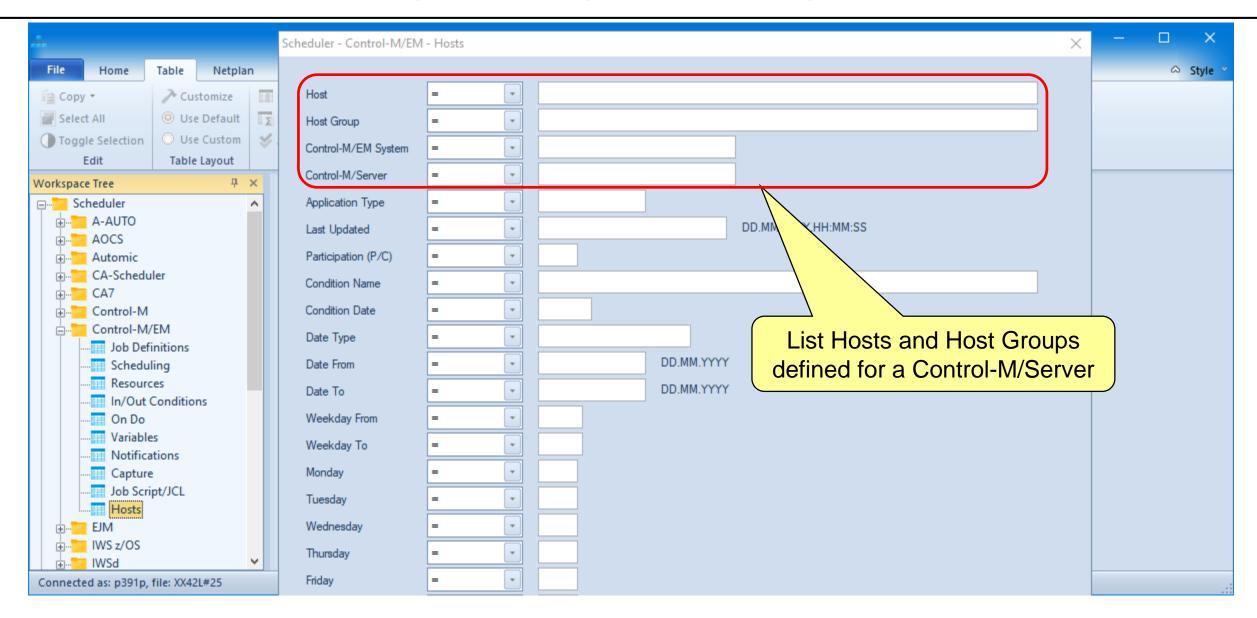
XINFO 4.2 – Control-M Scanner







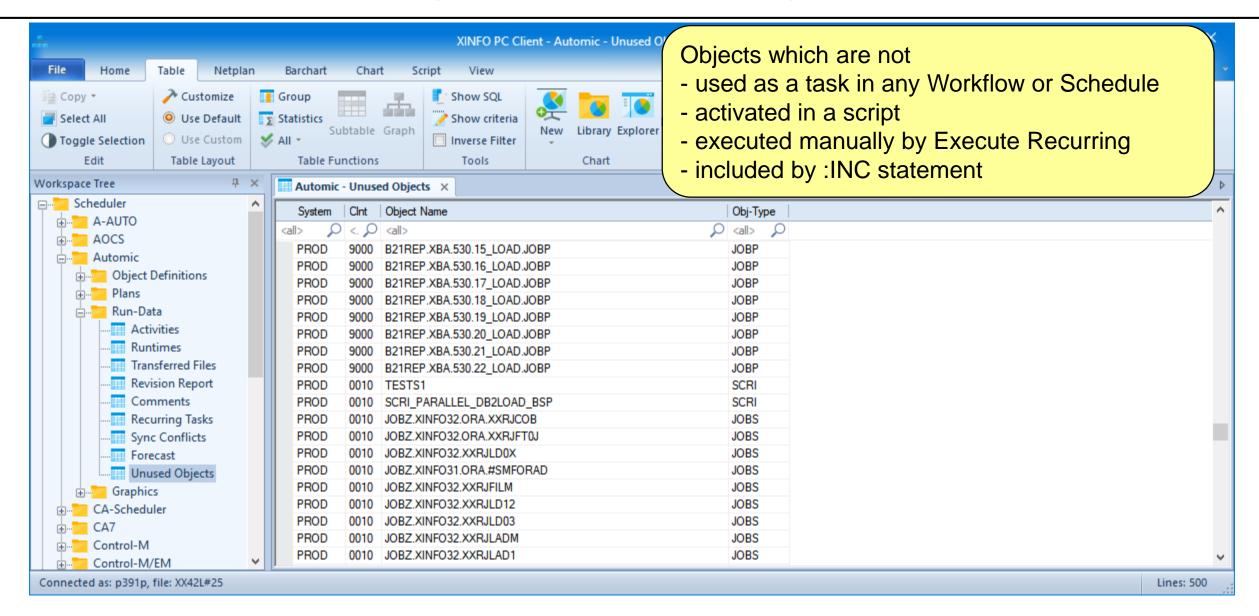
XINFO 4.2 – Control-M Scanner







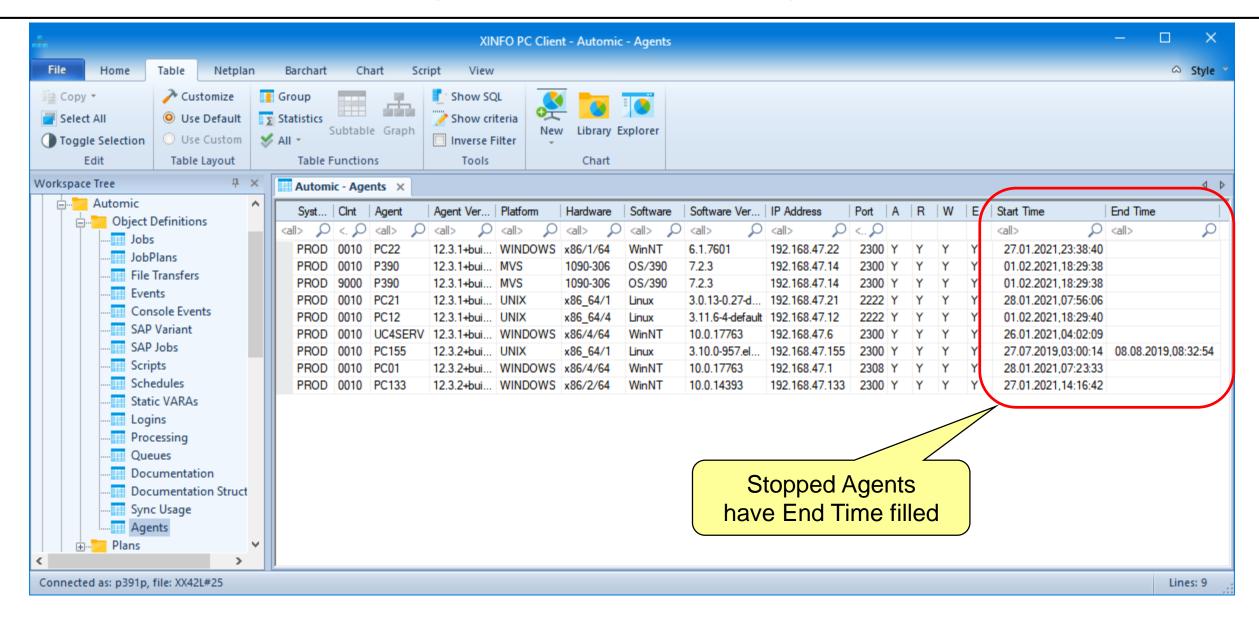
XINFO 4.2 – Automic Scanner



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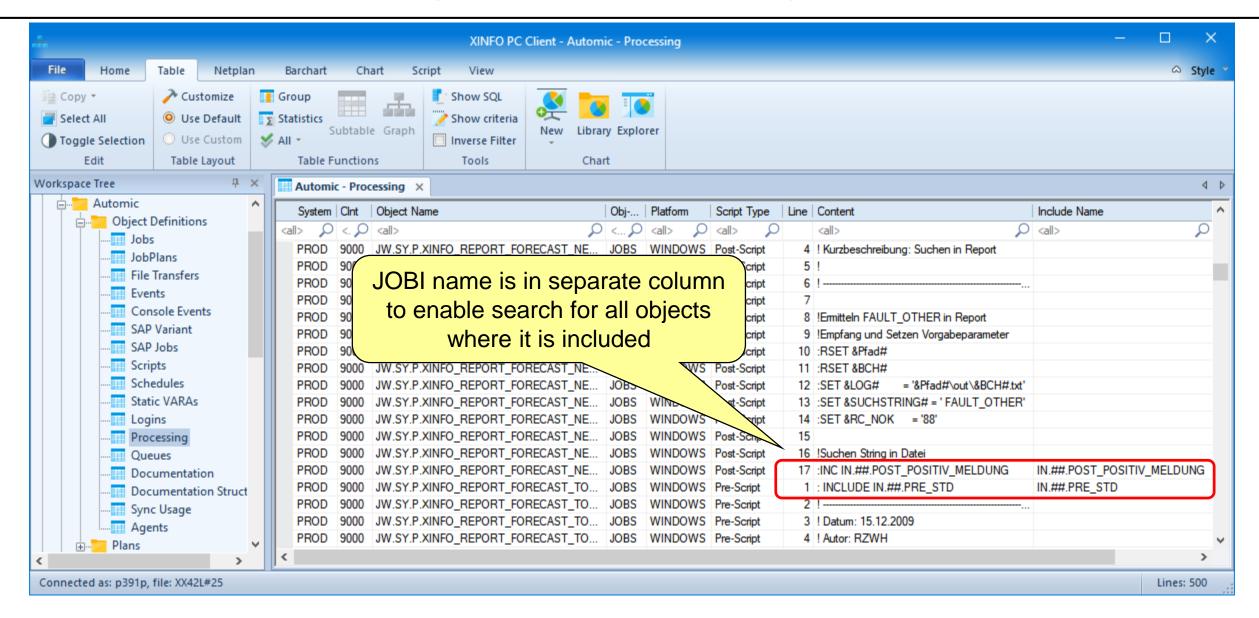


XINFO 4.2 – Automic Scanner

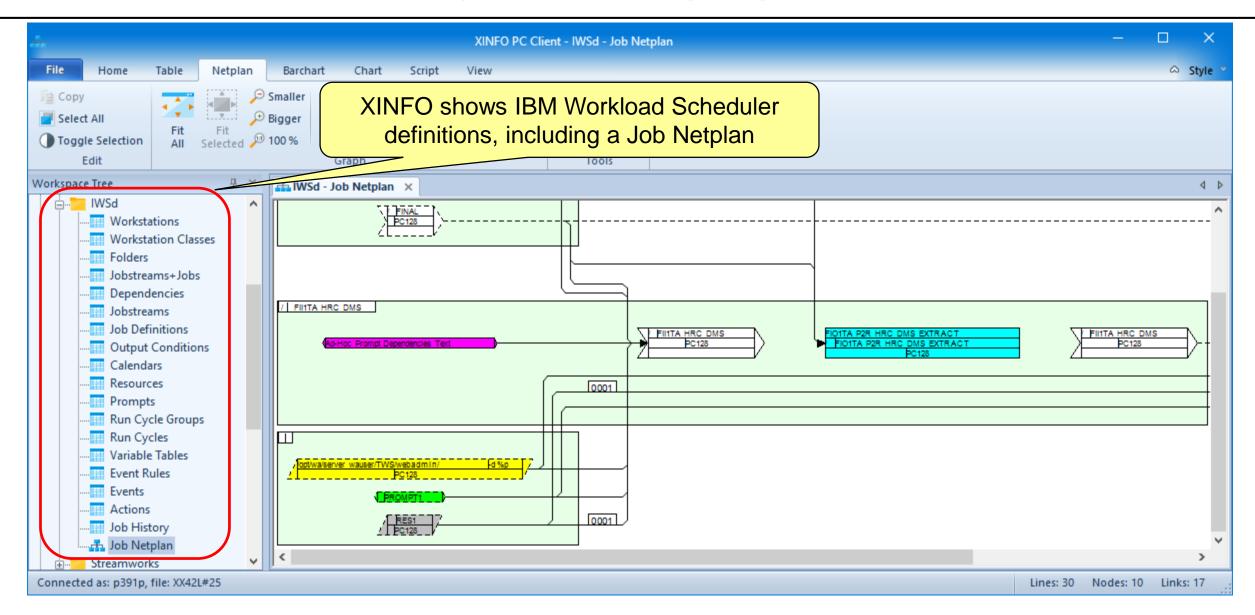




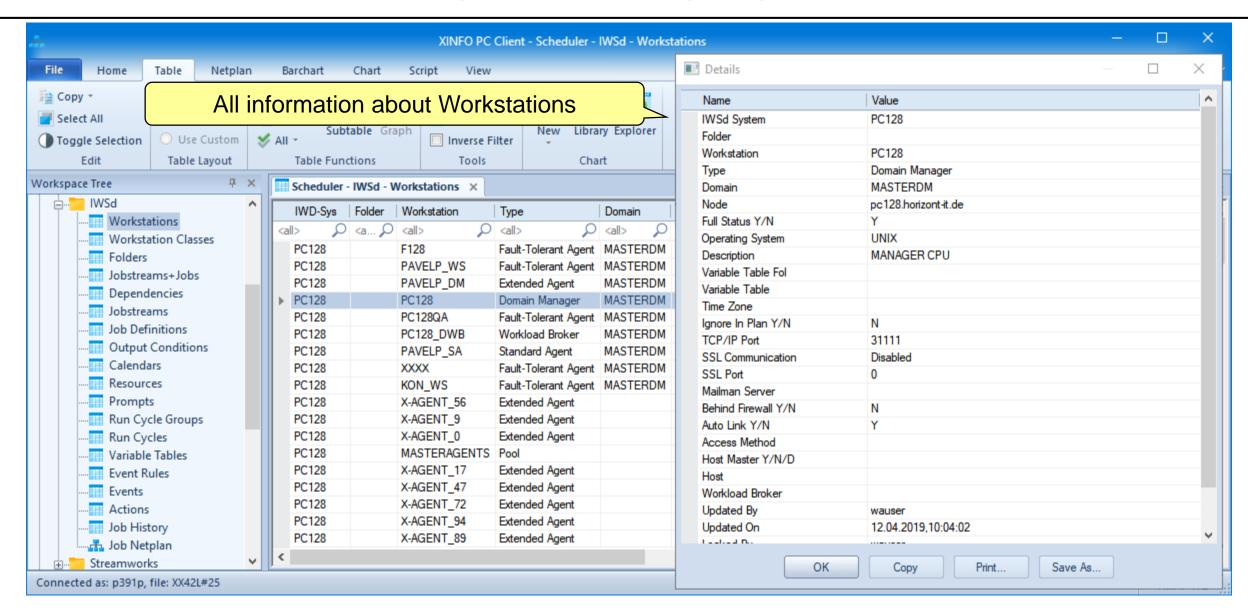
XINFO 4.2 – Automic Scanner



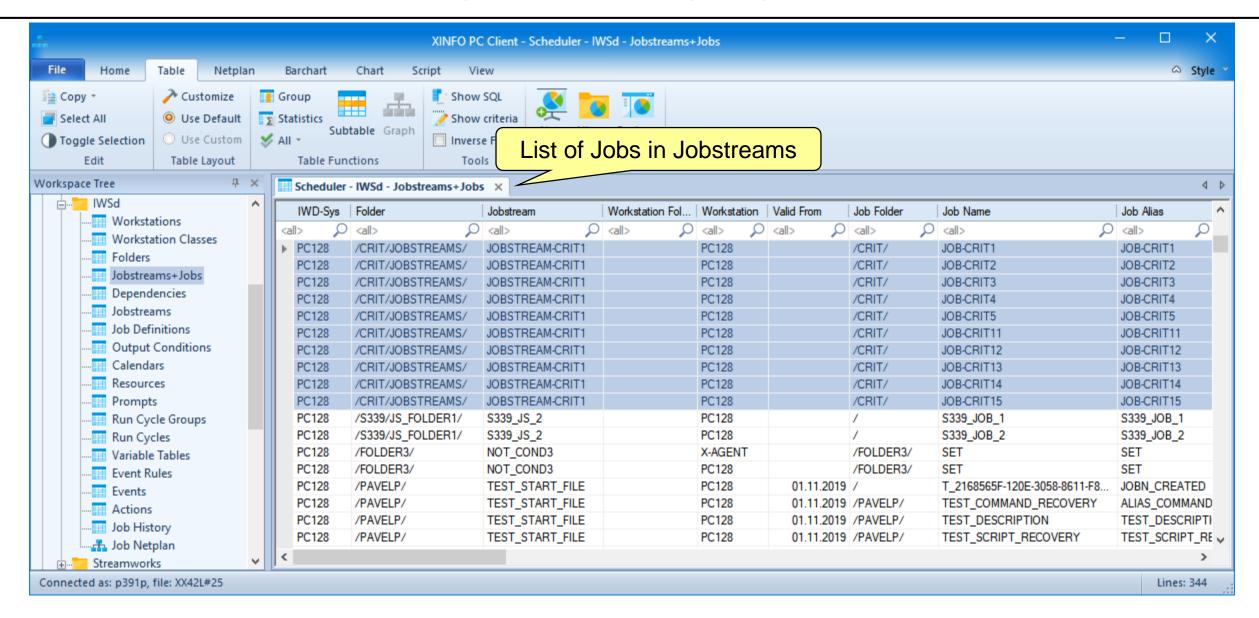






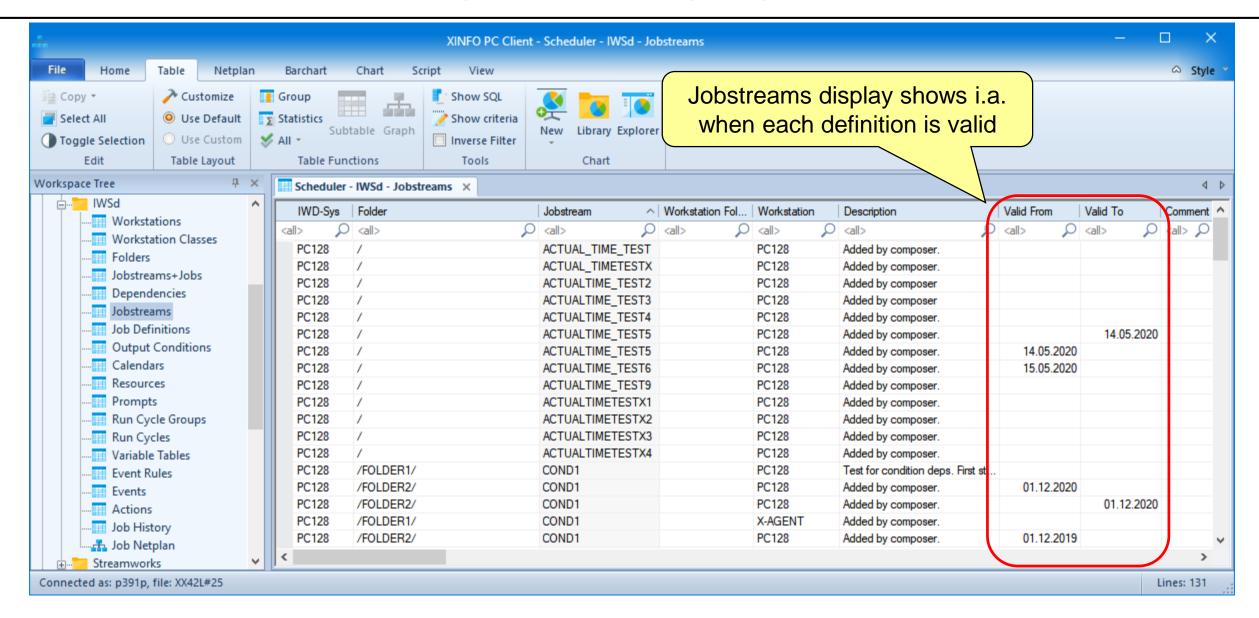




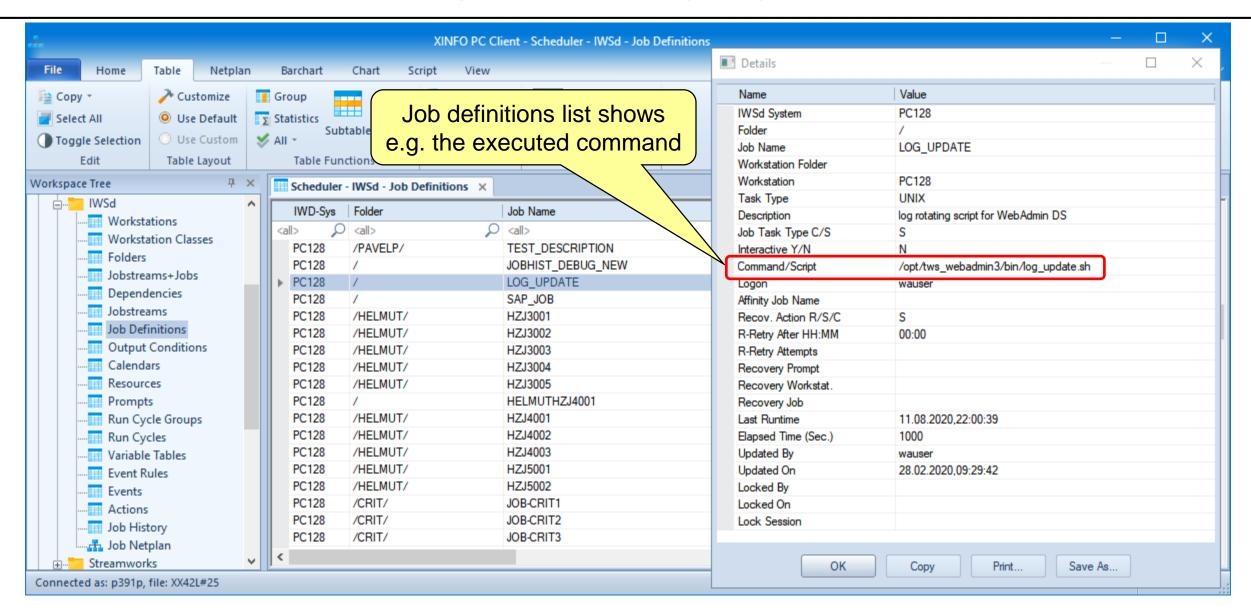






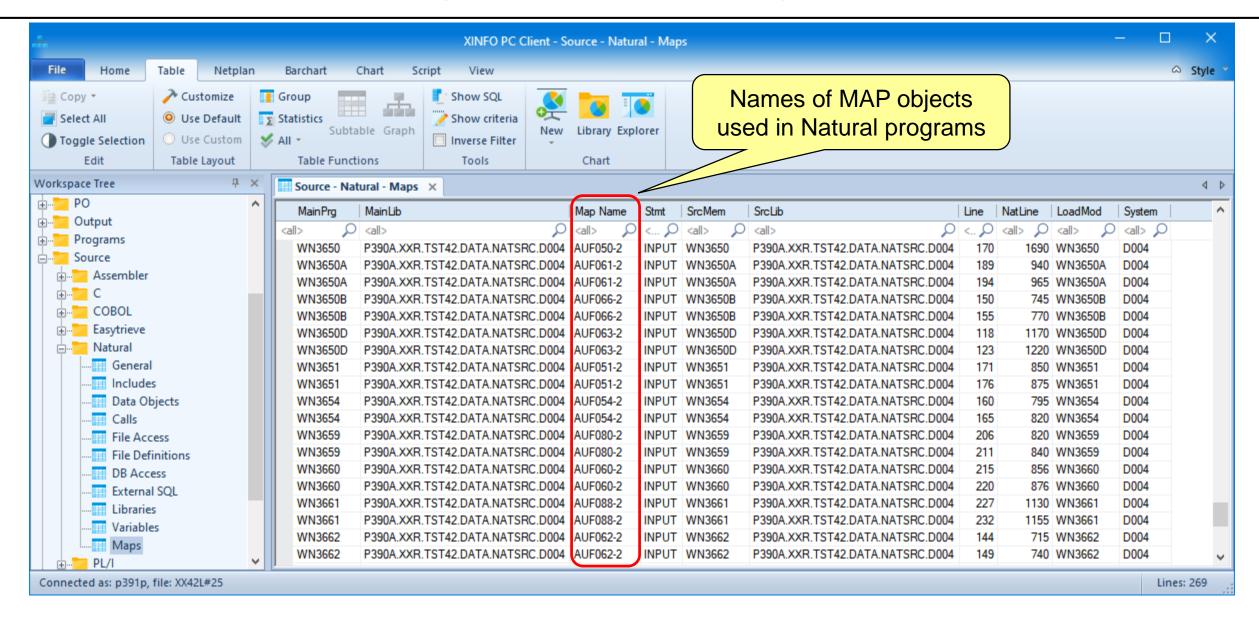






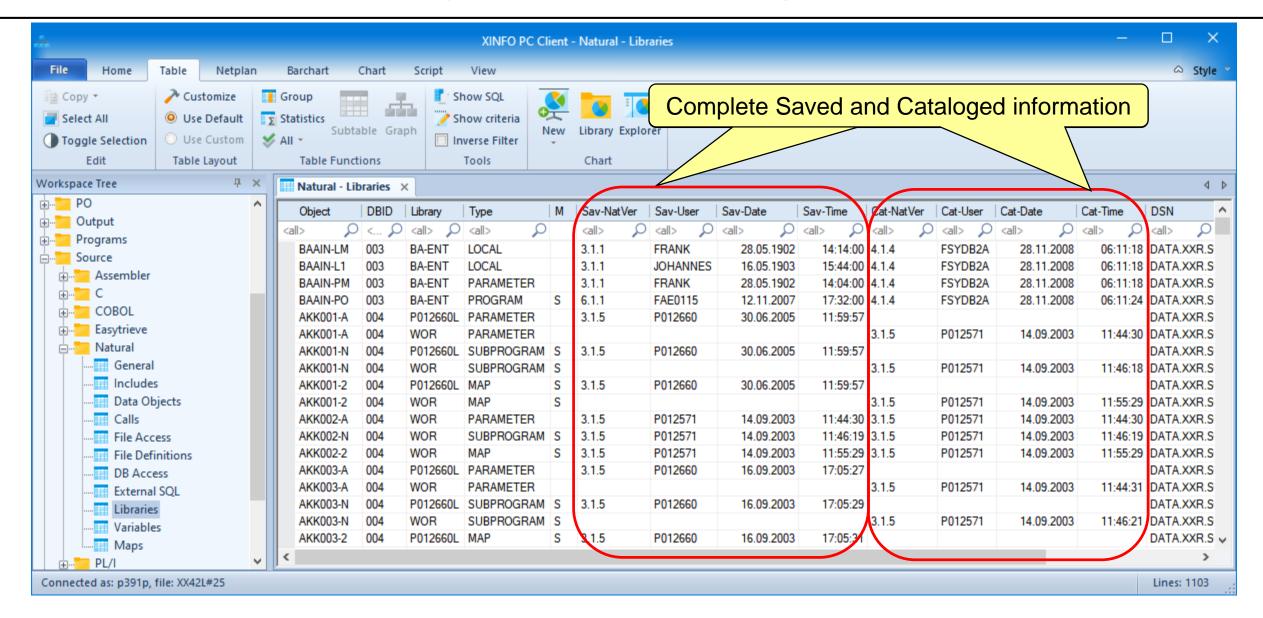


XINFO 4.2 – Natural Scanner

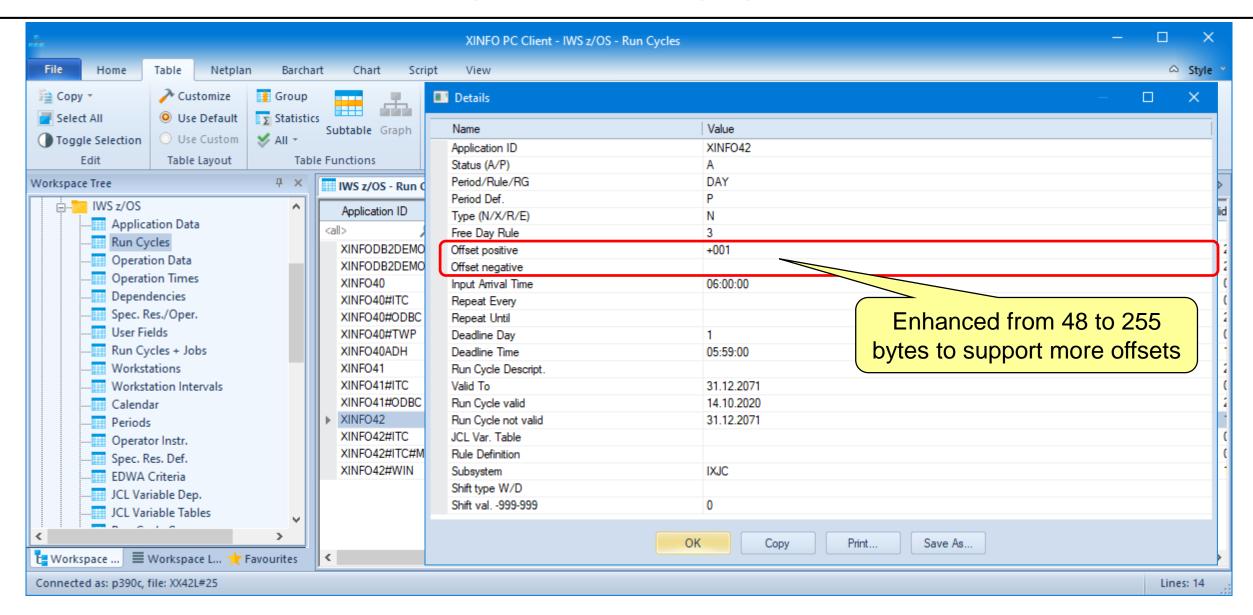




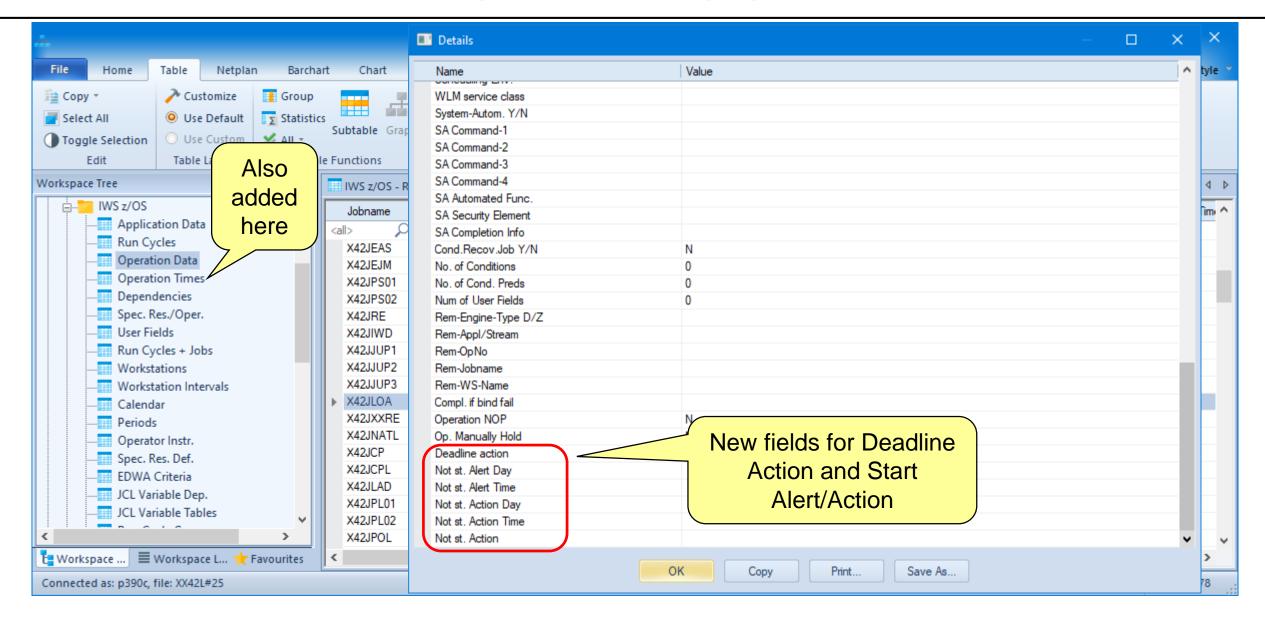
XINFO 4.2 – Natural Scanner



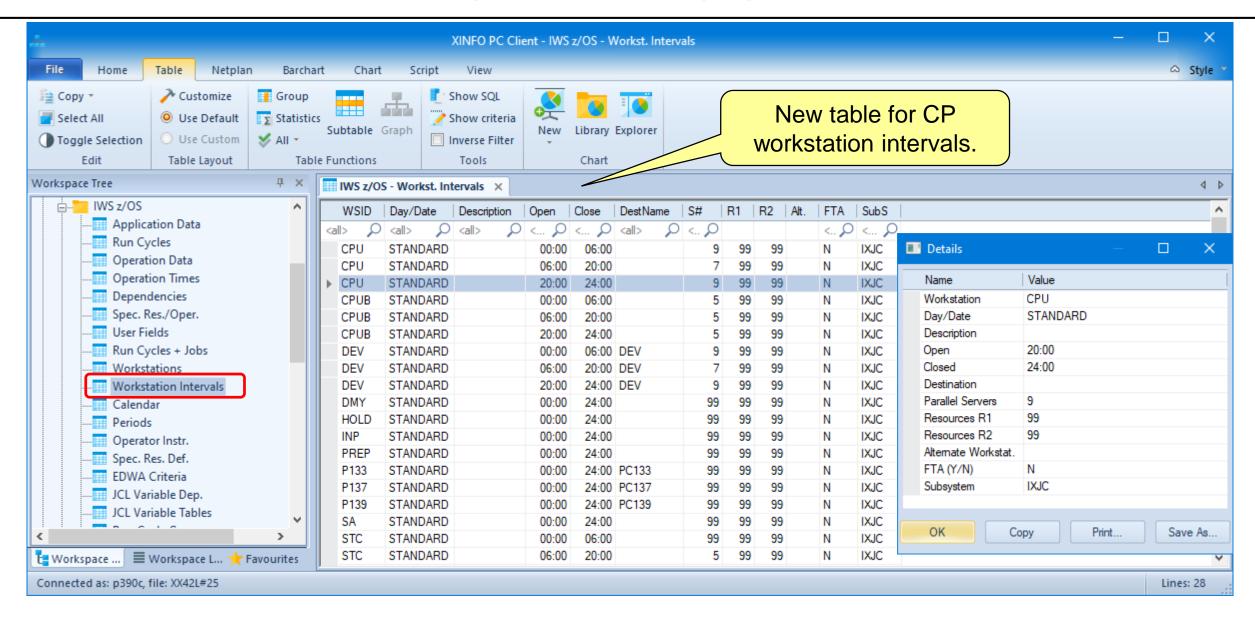




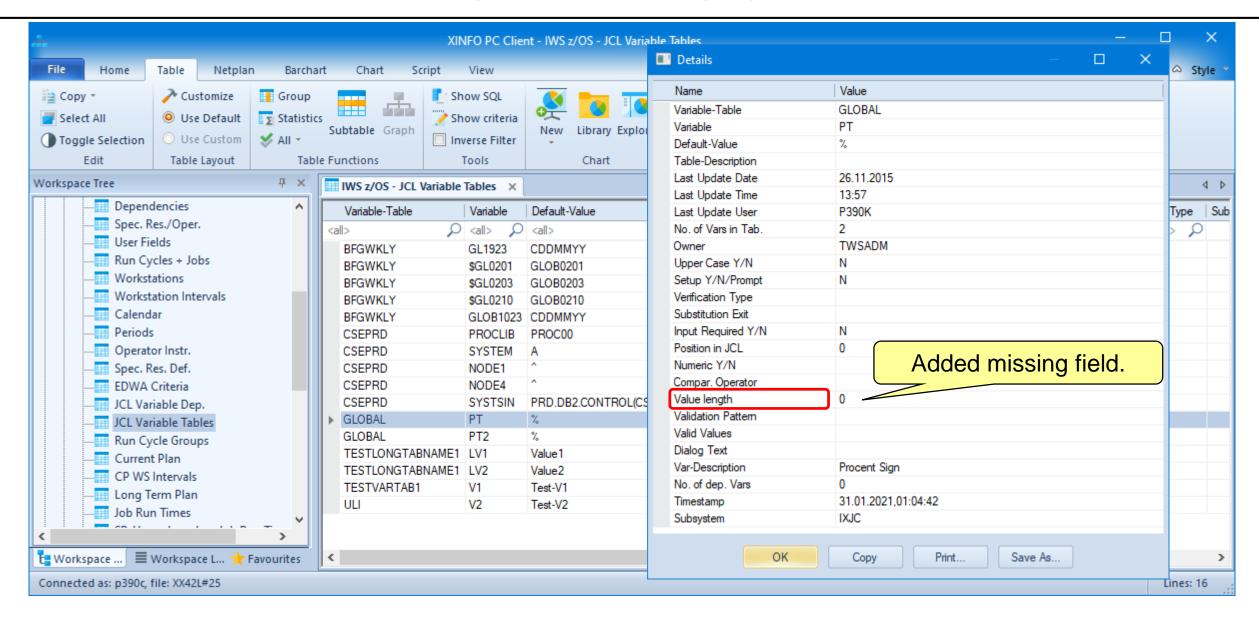




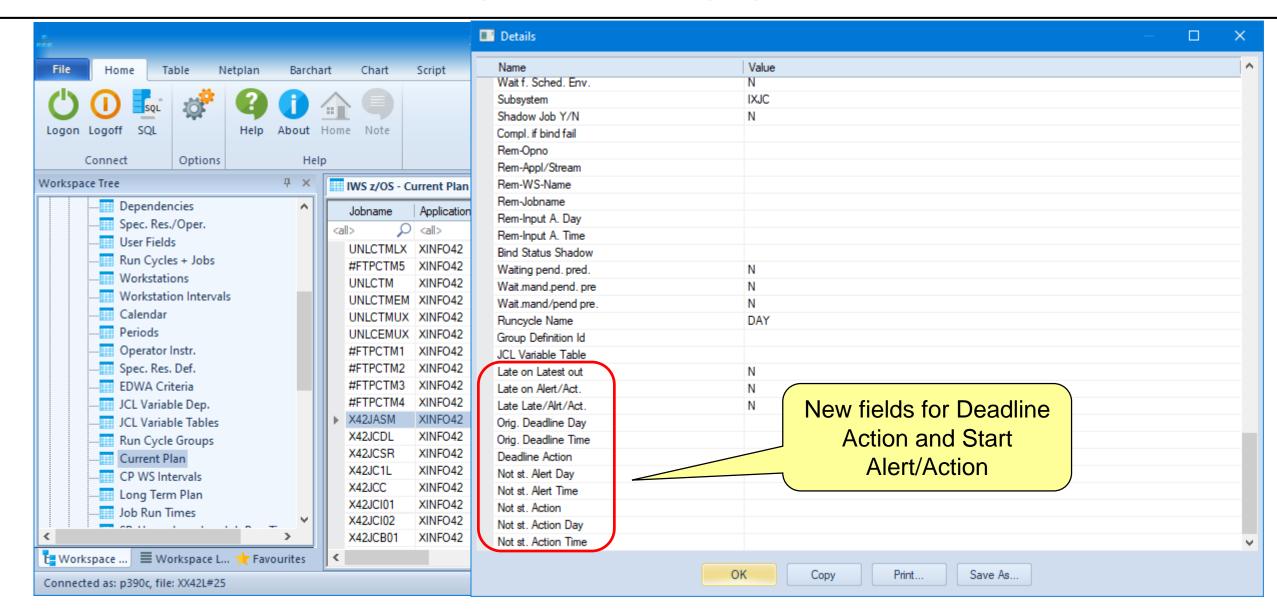




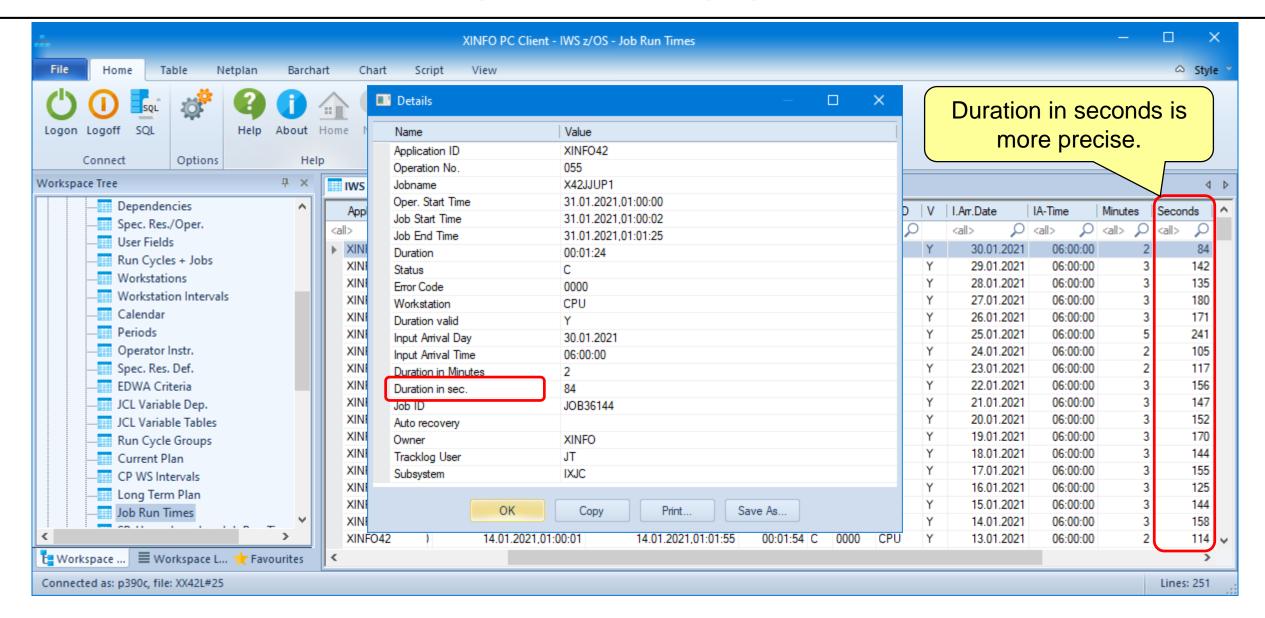




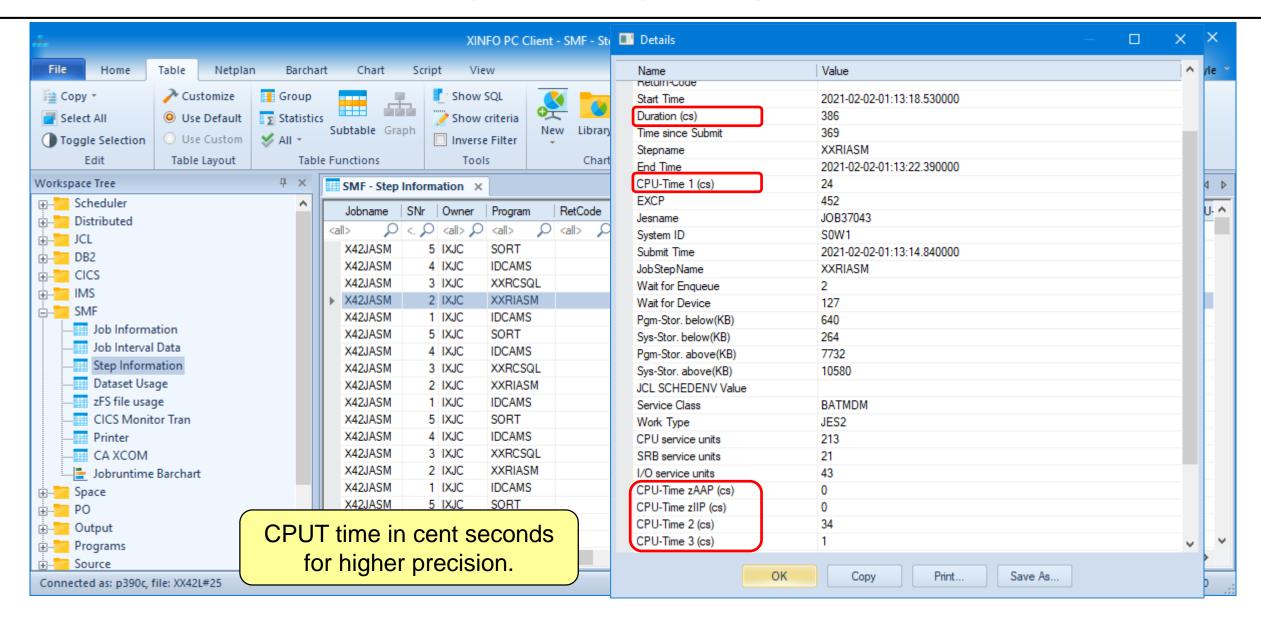






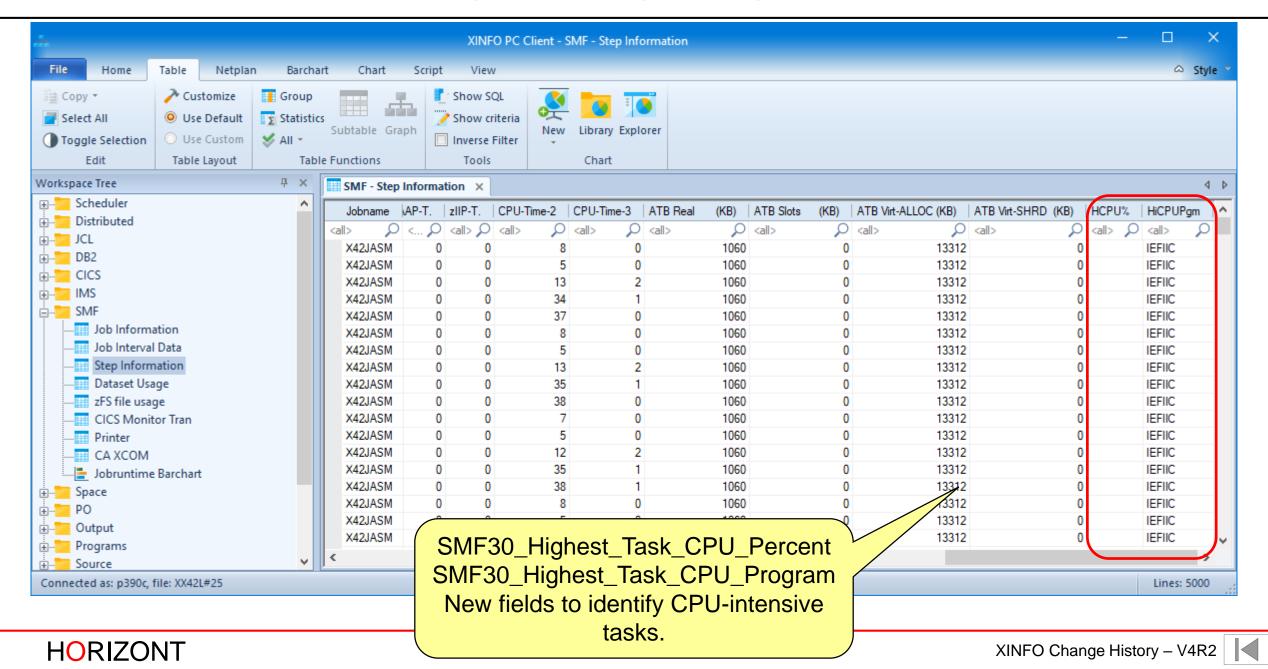


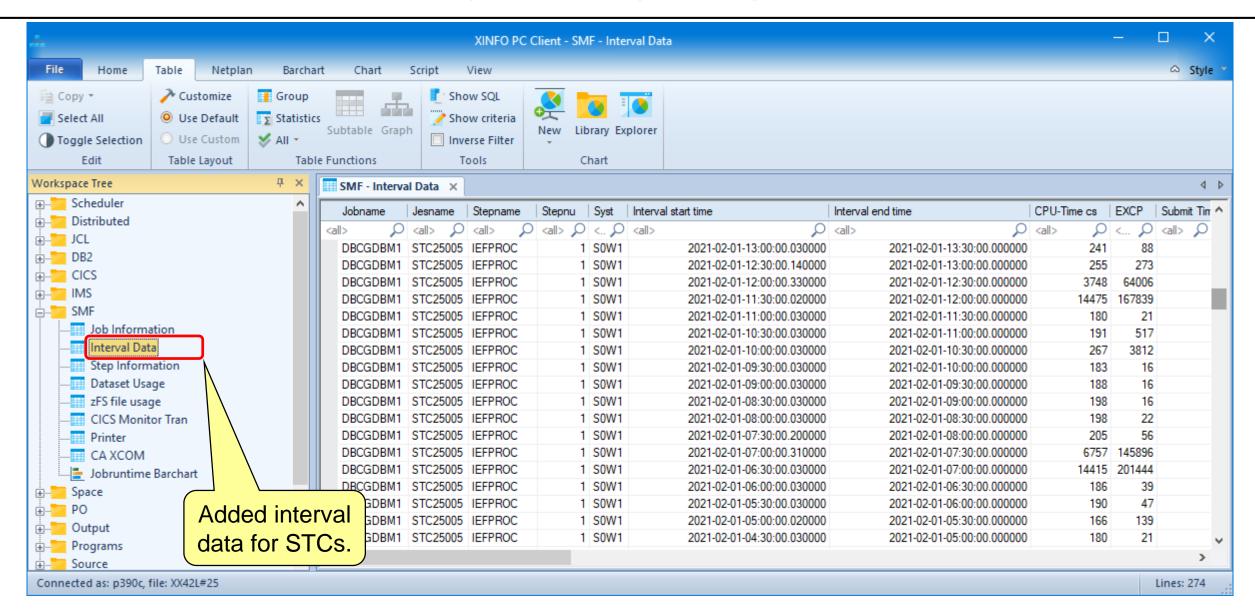




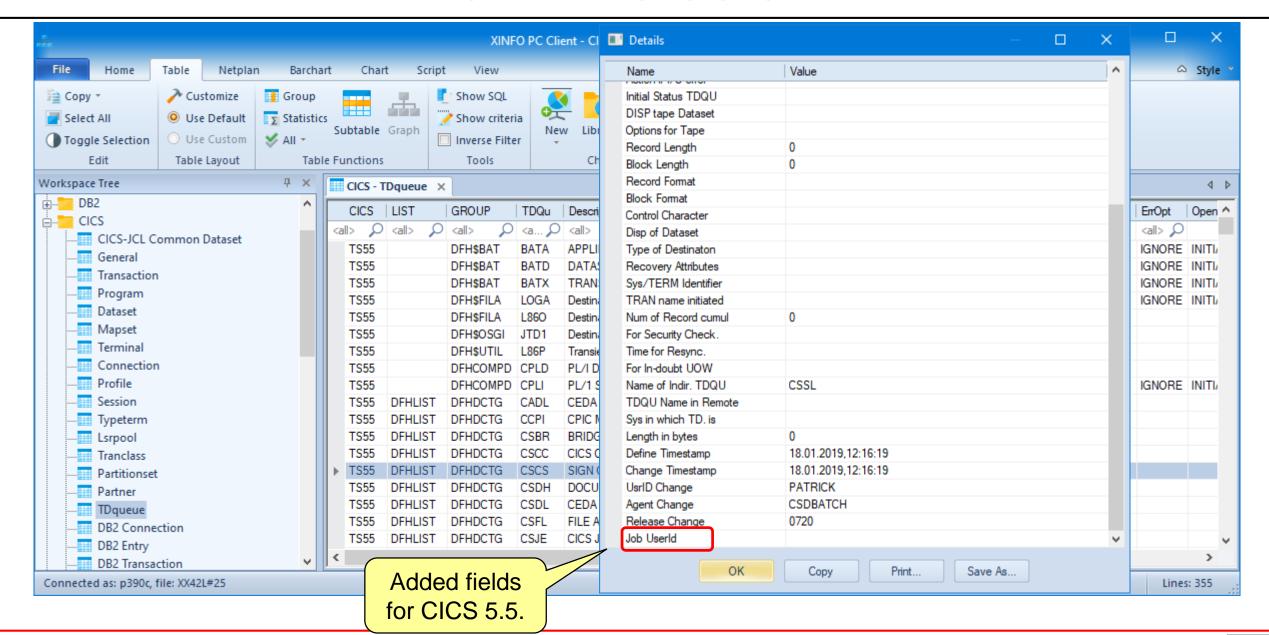






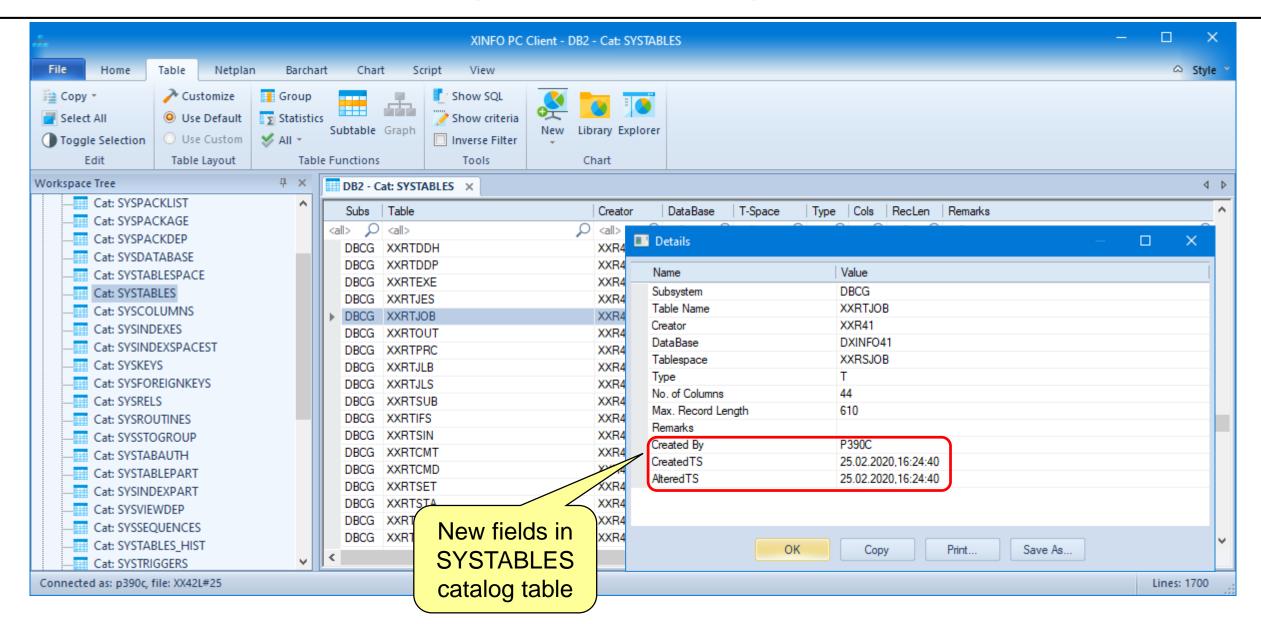






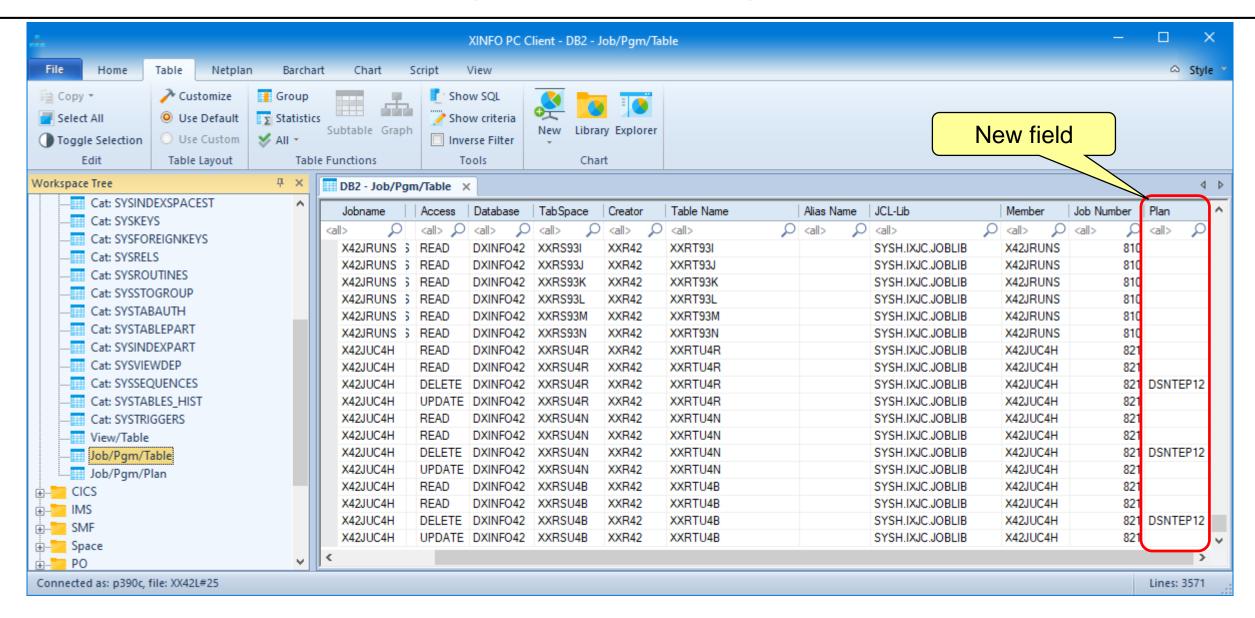


XINFO 4.2 – DB2 Scanner



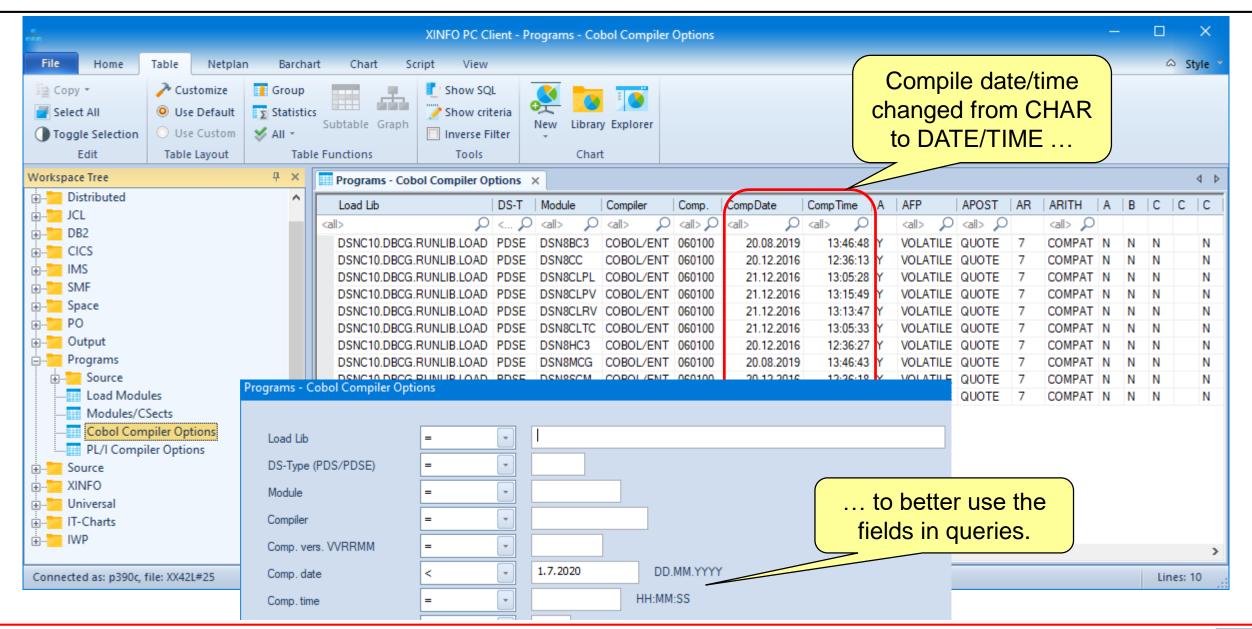


XINFO 4.2 – DB2 Scanner



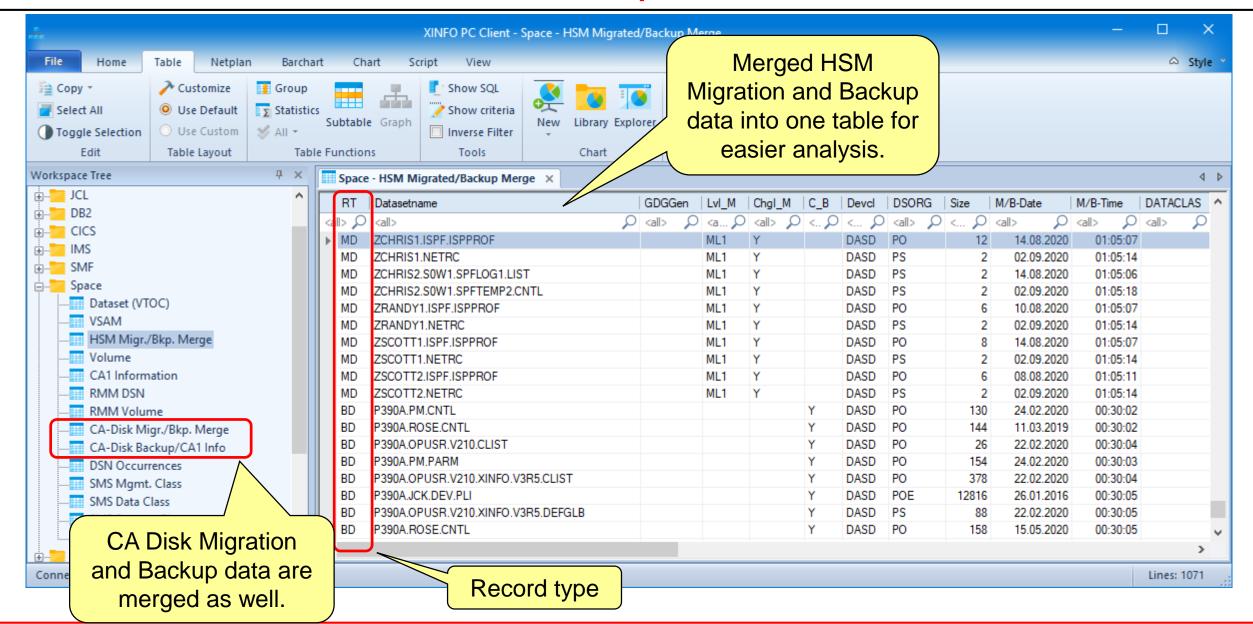


XINFO 4.2 – Load Module Scanner



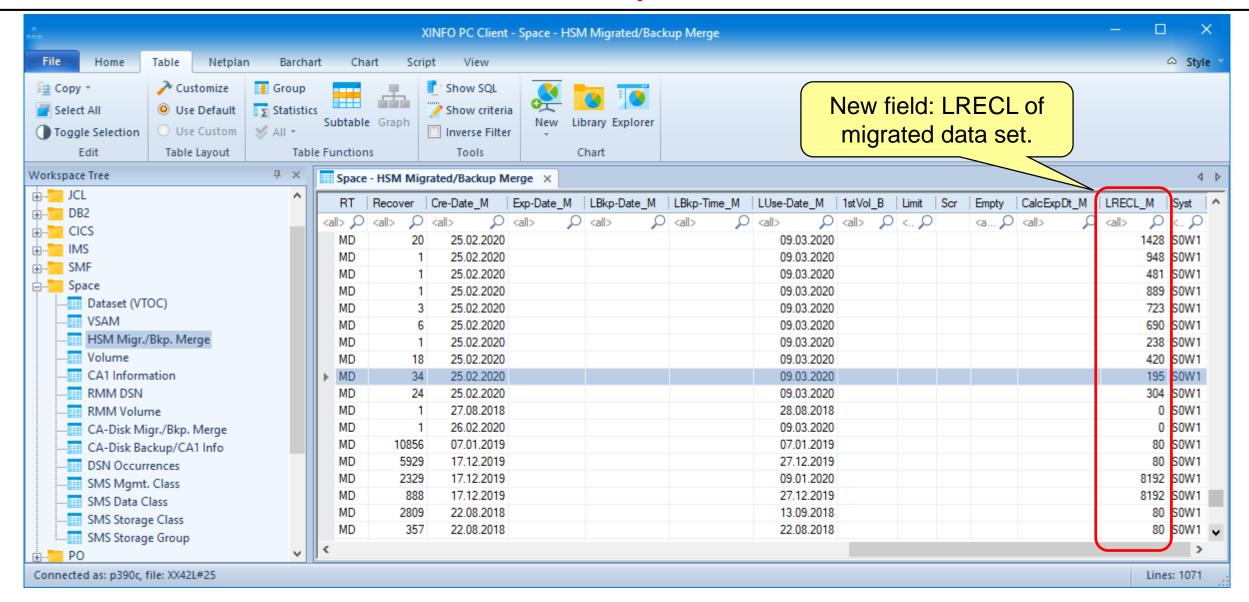


XINFO 4.2 – Space Scanner



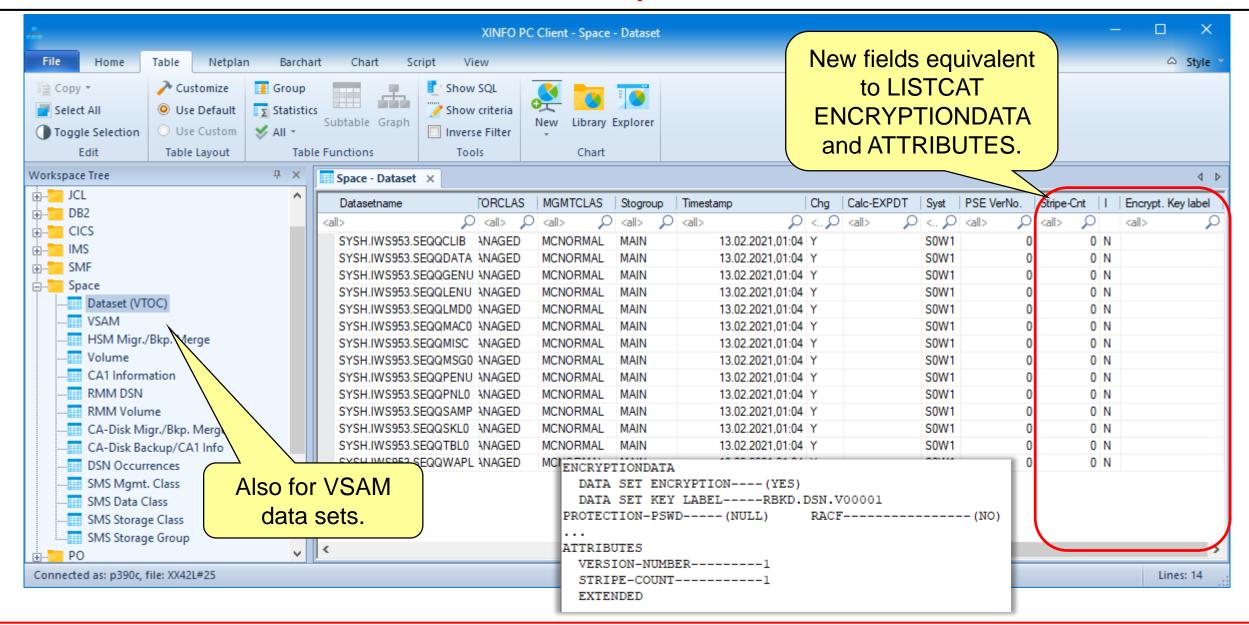


XINFO 4.2 – Space Scanner





XINFO 4.2 – Space Scanner





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