



HORIZONT

XINFO – HTML Docu Generator

Creating documentations in HTML format with XINFO PC Client Batch Interface

AGENDA

XINFO – HTML Docu Generator

Introduction

How it works

Examples Batch Documentation

Examples Program Documentation

Examples Impact Analysis

Creating Documentation

What's the HTML Docu Generator?

This "Generator" is an extension of XINFO's Batch Interface (BIF) :

For a better understanding
please watch the
presentation of BIF before

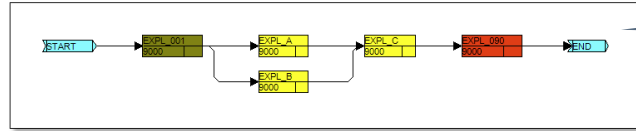
- New statements like LNCMD, SCAN, IF and GOTO allow to continue to work on previous selections always one after the other in a loop
- The output format is HTML
- Graphics like netplans are included as PNG files with a good quality
- Commands like ARRANGE and SORT allow to modify the layout of the output tables without any need to change the displays in XINFO itself
- This allows you to create complex and complete documentations automatically

Example of a Result

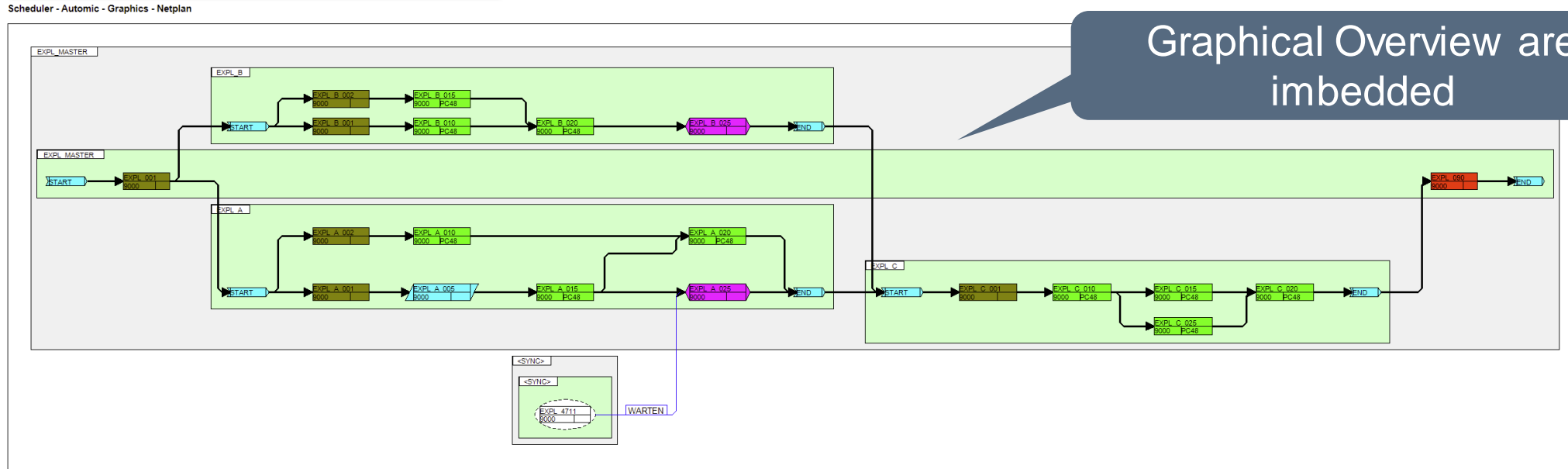
Output is a HTML file



Entry point is a workflow



Graphical Overview are imbedded



More Definitions step by step can be listed

Object Name	Plan Name	Calendar	Keyword
EXPL_MASTER	EXPL_SCHED	CALE BAYERN	WERKTAG
EXPL_MASTER	MASTER	CALE BAYERN	WERKTAG
EXPL_MASTER	MASTER	CALE BAYERN	FEIERTAGE_BAYERN

Plan Name	Object Name	Line	Erl-D	Erl-T	Erl-TZ
EXPL_SCHED	EXPL_MASTER	2	0	07.00	
MASTER	EXPL_MASTER	2	0	08.00	TZ.CET

Every information is available with LineCommands

Scheduler - Automic - Object Definitions - Processing

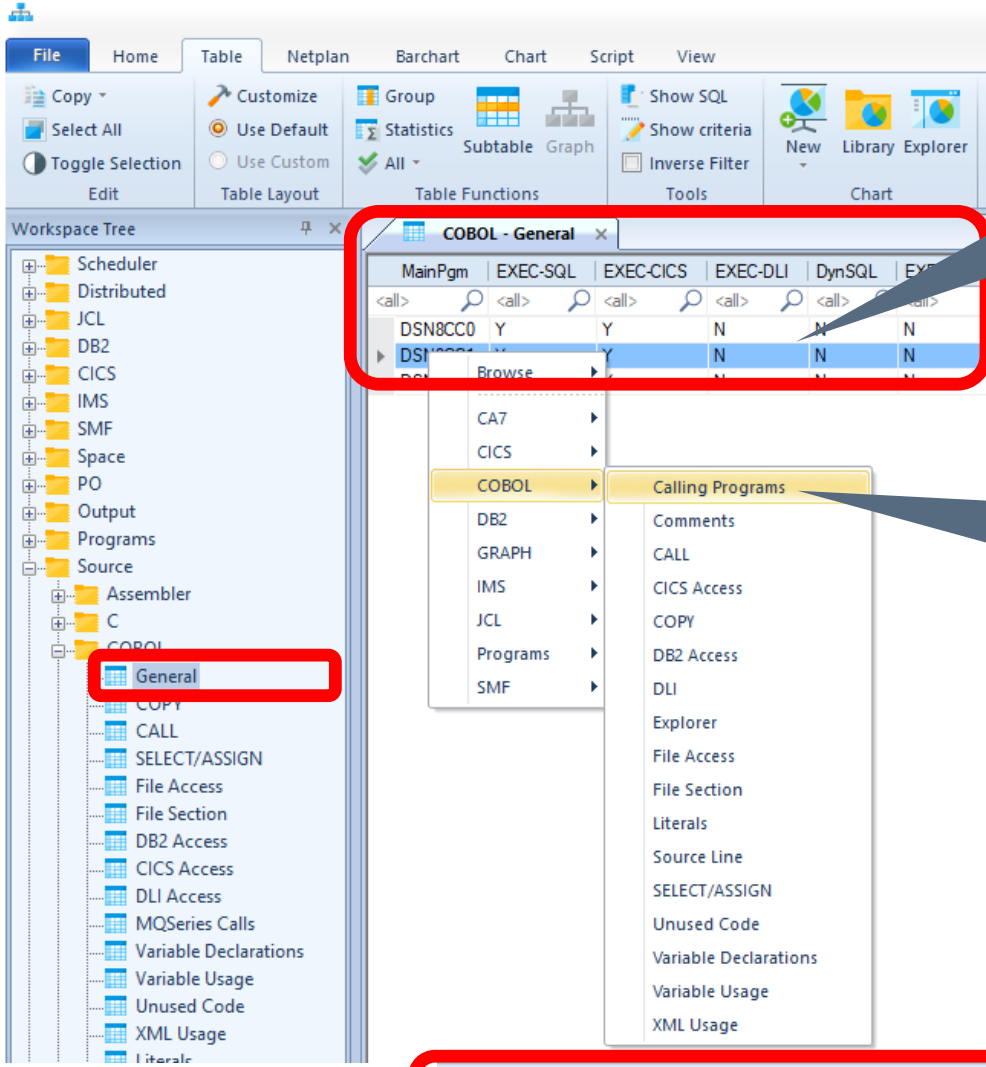
This presentation shows three possible scenarios:

- Document batch workflows
- Document programs
- Impact Analysis

If you want to test the examples on your own:

- The sources and results you find in 'XINFO_HTML_Docu_Generator' under 'Presentations, flyers, whitepapers and more' in the download area
- You need XINFO 4.x installation and the corresponding PC Client
- More detailed information about the used BIF function you find in the documentation of the PC Client in the installation directory of the client (xipcc.chm or xipcc.pdf)

How it Works



Starting with a main selection and get a result table

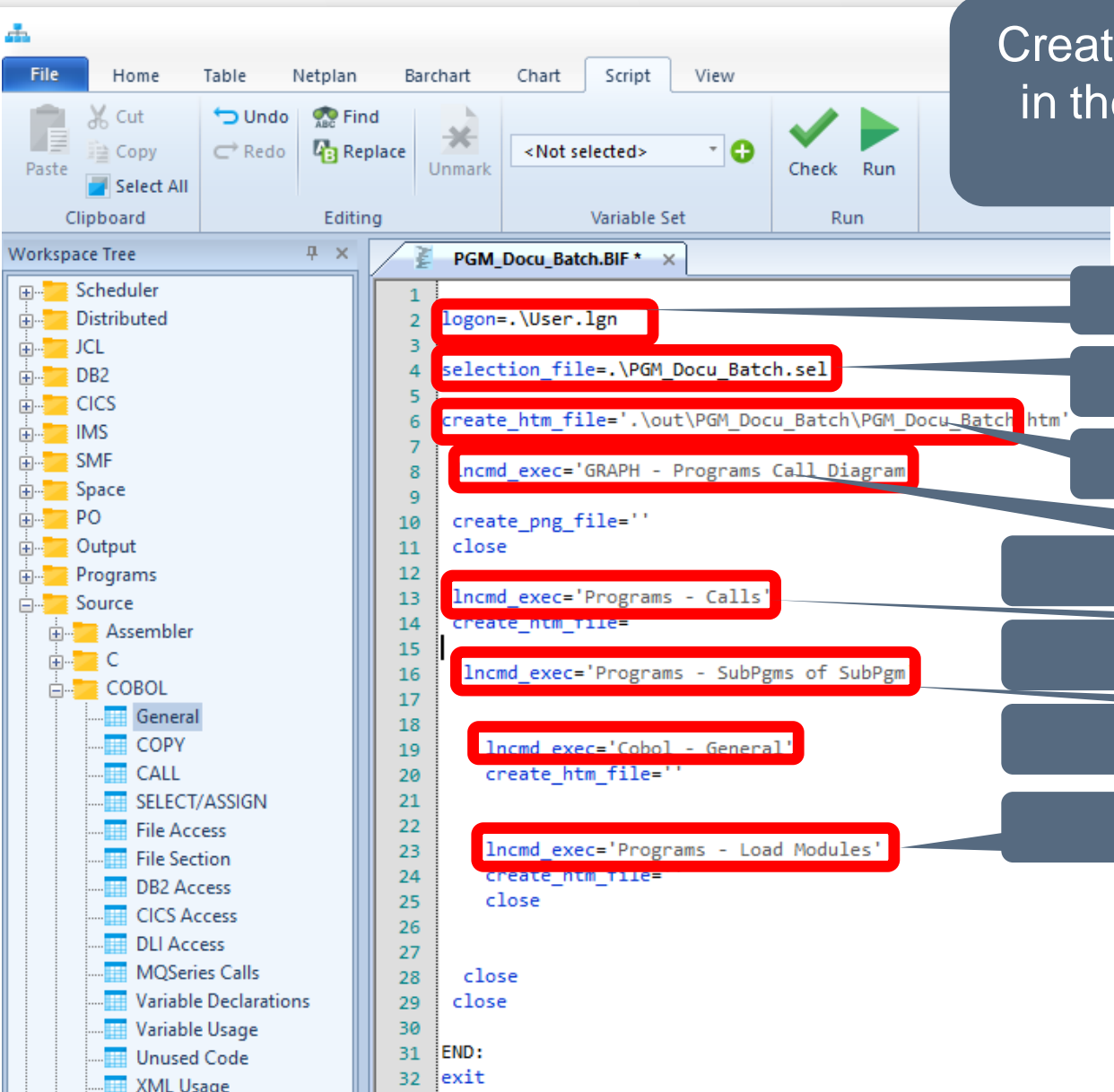
Use in the result table a line command

.. and get a new result table

Everything you can do in the PC Client, you can automate within the Batch Interface

MainPgm	SrcMemb	Line	D	Calling Proc	CalledNm	Called Proc SymName (Variable)	Parameter Vars	Source-Lib	C-Method	Load-Mod	Main-Lib	System
<all>	<all>	<..>		<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC0	DSN8CC0	475	N	CC0-LABEL6	DSN8CC1		COMMAREA	DSNC10.SDSNSAMP	LINK	DSN8CC0	DSNC10.SDSNSAMP	PROJ1

How it Works



Create the BIF commands in the PC Client and test and run it

Make a logon to XINFO system

Use a selection file

Create a output file

Process 1. Line Command

Process 2. Line Command

Process 3. Line Command

Process 4. Line Command

Close all loops and exit and HTML document is created

Batch workflow documentation

This example shows how to document your Batch Workflows automatically.

- Prerequisite are basically XINFO's scheduler scanner. Depending on your needs other scanners may be required, e.g. JCL or SMF
- This example shows a Atomic Workflow and all subsequent objects:
 - Dependencies (graphics and tables)
 - All jobs and parameters
 - Scripts and JCL
 - Planning parameters
 - Resources

The same functionality is available for other schedulers, e.g. IWS and Control-M

Result of ,Batch-Docu'

Output is a HTML file

Entry point is a Workflow that contains other Workflows

Definitions like Calendar and Task Properties are listed

The screenshot displays the SAP Scheduler interface for 'Automatic - Object Definitions - JobPlans'. At the top, a table lists job plans with columns: System, CInt, Object Name, Object Title, Creation Date, Creation User, Last Update Date, Last Update User, Last Used Date, Usage Count, Active, ArchKey1, ArchKey2, Int. Account, Max.Paral., Else, Prio, Timezone, GenRT, Auto. Deactivation, DDelay-Mins, Deact. When Status, Result OK Status, Result Else Execute, MaxRC, and Return Else Execute Pr. Below this is a 'Graphics - Workflow' section showing a simple flow from START to EXPL_001, then branching to EXPL_A and EXPL_B, which merge and lead to EXPL_080 and finally END. The main 'Graphics - Netplan' section shows a more complex 'EXPL_MASTER' workflow. It starts with EXPL_001, which branches into three parallel sub-workflows: EXPL_B, EXPL_A, and EXPL_C. Each sub-workflow contains multiple tasks (e.g., EXPL_B_002, EXPL_B_010, EXPL_B_015, EXPL_B_020, EXPL_B_025) and ends with an 'END' node. A 'WARTEN' (wait) task (EXPL_471) is shown at the bottom, connected to the EXPL_A sub-workflow. Below the netplan are two tables: 'Plans - Calendar' and 'Plans - Task Properties'. The 'Calendar' table lists object names, plan names, calendars, and keywords. The 'Task Properties' table lists plan names, object names, lines, error IDs, error types, and error time zones.

System	CInt	Object Name	Object Title	Creation Date	Creation User	Last Update Date	Last Update User	Last Used Date	Usage Count	Active	ArchKey1	ArchKey2	Int. Account	Max.Paral.	Else	Prio	Timezone	GenRT	Auto. Deactivation	DDelay-Mins	Deact. When Status	Result OK Status	Result Else Execute	MaxRC	Return Else Execute Pr
PROD	9000	EXPL_MASTER	This is an Example Masterplan	28.03.2012 12:33:12	UC/UC	07.03.2013 18:16:27	HELMUT/ADM		0	Y	example			0	0	0		N	After an error-free restart	0			0		N

Object Name	Plan Name	Calendar	Keyword
EXPL_MASTER	EXPL_SCHED	CALE BAYERN	WERKTAG
EXPL_MASTER	MASTER	CALE BAYERN	WERKTAG
EXPL_MASTER	MASTER	CALE BAYERN	FEIERTAGE_BAYERN

Plan Name	Object Name	Line	Eri-D	Eri-T	Eri-TZ
EXPL_SCHED	EXPL_MASTER	2	0	07.00	
MASTER	EXPL_MASTER	2	0	08.00	TZ.CET

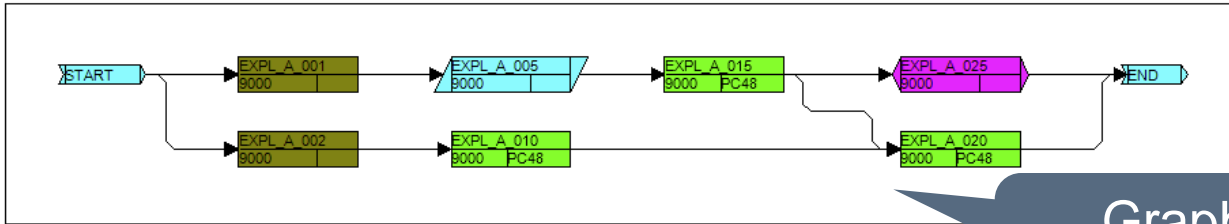
Result of ,Batch-Docu'

Scheduler - Automatic - Object Definitions - JobPlans

Object Name	Object Title	Clnt	Creation Date	Creation User
EXPL_A	This is Example Plan A	9000	28.03.2012 12:33:12	UC/UC

Every sub Workflow also documented

Scheduler - Automatic - Graphics - Workflow



Graphical representation

Scheduler - Automatic - Plans - Calendar

Plan Name	Object Name	Calendar	Keyword
EXPL_MASTER	EXPL_A		

Scheduler - Automatic - Plans - Task Properties

Plan Name	Object Name	Line	Eri-D	Eri-T	Eri-TZ
EXPL_MASTER	EXPL_A	3	0	12:00	TZ.CET

Details like Starttime

Scheduler - Automatic - Object Definitions - Processing

Object Name	Obj-Type	Platform	Script Type	Line	Content
EXPL_A_002	Script			1	!
EXPL_A_002	Script			2	:wait 11
EXPL_A_002	Script			3	!
EXPL_A_002	Script			4	
EXPL_A_001	Script			1	:SET &STATUS = GET_VAR(XY.STATUS)
EXPL_A_004	Script			2	IF &STATUS = 'N'

Script Contents also from every Job

Scheduler - Automatic - Object Definitions - Jobs

Jobname	Title	Host	Login	ERT	R3 Job Name
EXPL_A_010	Testjob A 010	PC48	LOGIN.UC4	0000.01.00	
EXPL_A_015	Testjob A 015	PC48	LOGIN.UC4	0000.01.00	
EXPL_A_020	Testjob A 020	PC48	LOGIN.UC4	0000.00.18	

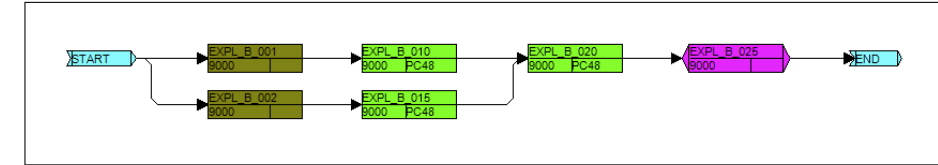
Scheduler - Automatic - Object Definitions - Processing

Object Name	Platform	Script Type	Line	Content
EXPL_A_002		Script	1	!
EXPL_A_002		Script	2	:wait 11
EXPL_A_002		Script	3	!
EXPL_A_002		Script	4	
EXPL_A_001		Script	1	:SET &STATUS = GET_VAR(XY.STATUS)
EXPL_A_004		Script	2	IF &STATUS = 'N'

Scheduler - Automatic - Object Definitions - JobPlans

Object Name	Object Title	Clnt	Creation Date	Creation User
EXPL_B	This is Example Plan B	9000	28.03.2012 12:33:12	UC/UC

Scheduler - Automatic - Graphics - Workflow



Scheduler - Automatic - Plans - Calendar

Plan Name	Object Name	Calendar	Keyword
EXPL_MASTER	EXPL_B		

Scheduler - Automatic - Plans - Task Properties

Plan Name	Object Name	Line	Eri-D	Eri-T	Eri-TZ
EXPL_MASTER	EXPL_B	4			

Program documentation

Program documentations are needed in many situations, e.g. mergers, migrations, personal changes etc.

- Prerequisite are XINFO Source Code Scanner (COBOL, PL/I etc.)
- The example shows a Cobol-CICS and a Cobol Batch Program including:
 - Called Sub Programs (Graphs and tables)
 - Called Functions
 - Attributes of the load modules
 - Used Copy Books (Includes)
 - DB2 Access
 - File usage (Program and JCL)
 - CICS transactions that are calling other programs
 - All batch jobs that are using the documented programs
 - Scheduling data for these jobs

The same functionality is available for other program languages like PL/I

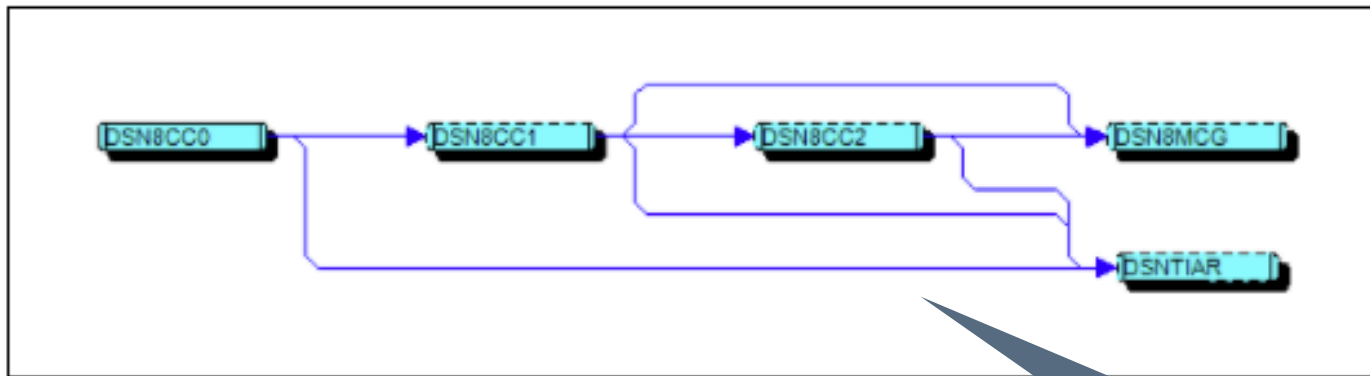
Result of ,PGM_Docu_CICS '

Entry Point is a Cobol CICS program

Source - COBOL - Gen

MainPgm	EXEC-SQL	EXEC-CICS	EXEC-DLI	DynSQL	EXEC-ADABAS	Upd:User	Upd:Date	Upd:T	Load-Mod	Main-Lib	System
DSN8CC0	Y	Y	N	N	N				DSN8CC0	DSNC10.SDSNSAMP	PROJ1

Programs - Source - Call Diagram



Called sub programs

Programs - Source - Call

MainMod	MLng	SubPgm	SLng	Level	Method
DSN8CC0	COB	DSN8CC0	COB	0	DUMMY
DSN8CC0	COB	DSN8CC1	COB	1	LINK
DSN8CC0	COB	DSNTIAR		1	CALL
DSN8CC0	COB	DSN8MCG	COB	2	CALL
DSN8CC0	COB	DSN8CC2	COB	2	LINK

Result of ,PGM_Docu_CICS '

Functions used in all programs

Source - COBOL - General

MainPgm	Copy	Call	File	EXEC-SQL	DynSQL	DB2	CICS	EXEC-CICS	IMS	EXEC-DLI	Lines-M.	CommentM	Main-Lib
DSN8CC0	Y	Y	N	Y	N	Y	Y	Y	N	N	606	235	DSNC10.SDSNSAMP
DSN8CC1	Y	Y	N	Y	N	Y	Y	Y	N	N	168	119	DSNC10.SDSNSAMP
DSN8CC2	Y	Y	N	Y	N	Y	Y	Y	N	N	424	261	DSNC10.SDSNSAMP

Programs - Load Modules

Module	Mod-Size	Link-Date	LinkTime	APF	AMODE	RMODE	RENT	REUS	LoadLib
--------	----------	-----------	----------	-----	-------	-------	------	------	---------

Source - COBOL - COPY

MainPgm	Line	COPY-Mem	COPY-Lib	Nest
DSN8CC0	150	SQLCA		1
DSN8CC0	151	DSN8MCC2	DSNC10.SDSNSAMP	1
DSN8CC0	153	DSN8MCCA	DSNC10.SDSNSAMP	1
DSN8CC0	478	DSN8MCXX	DSNC10.SDSNSAMP	1
DSN8CC0	154	DSN8MCCS		1
DSN8CC0	155	DSN8MCMG		1
DSN8CC0	156	DSN8MCMD		1
DSN8CC1	118	SQLCA		1
DSN8CC1	119	DSN8MCC2	DSNC10.SDSNSAMP	1

Copy books used

Result of ,PGM_Docu_CICS '

Programs - Source - DB2 Accesses

MainPgm	MTyp	SubPgm	STyp	Level	Object	Object Typ	Action
DSN8CC0	COB	DSN8CC0	COB	0	VCONA	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC1	COB	1	VCONA	TABLE/VIEW	DELETE
DSN8CC0	COB	DSN8CC1	COB	1	VCONA	TABLE/VIEW	INSERT
DSN8CC0	COB	DSN8CC1	COB	1	VCONA	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC1	COB	1	VCONA	TABLE/VIEW	UPDATE
DSN8CC0	COB	DSN8CC1	COB	1	VOPTVAL	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VASTRDE1	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VASTRDE2	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VDEPMG1	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VDEPT	TABLE/VIEW	DELETE
DSN8CC0	COB	DSN8CC2	COB	2	VDEPT	TABLE/VIEW	INSERT
DSN8CC0	COB	DSN8CC2	COB	2	VDEPT	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VDEPT	TABLE/VIEW	UPDATE
DSN8CC0	COB	DSN8CC2	COB	2	VDSPTXT	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VEMP	TABLE/VIEW	DELETE
DSN8CC0	COB	DSN8CC2	COB	2	VEMP	TABLE/VIEW	INSERT
DSN8CC0	COB	DSN8CC2	COB	2	VEMP	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VEMP	TABLE/VIEW	UPDATE
DSN8CC0	COB	DSN8CC2	COB	2	VEMPDPT1	TABLE/VIEW	SELECT
DSN8CC0	COB	DSN8CC2	COB	2	VOPTVAL	TABLE/VIEW	SELECT

DB2 Accesses

Programs - Source - File Accesses

MainPgm	MTyp	SubPgm	STyp	Level	DD-Name	Access	Method
---------	------	--------	------	-------	---------	--------	--------

JCL - DSN

Program	Jobname	DD-Name	DSN	Mem/Gen.	DIS	LRECL	BLKSZ	RECF	UNIT	SPACE
---------	---------	---------	-----	----------	-----	-------	-------	------	------	-------

CICS - Transaction

Program	CICS	GROUP	Tran	TRANClas	Status	DATAloc	DATAkey	Action
DSN8CC0	TS55	DFH\$DB2	D8CS	DFHTCL00	ENABLED	ANY	USER	BACKOUT
DSN8CC0	TS56	DFH\$DB2	D8CS	DFHTCL00	ENABLED	ANY	USER	BACKOUT

CICS transactions calling this program

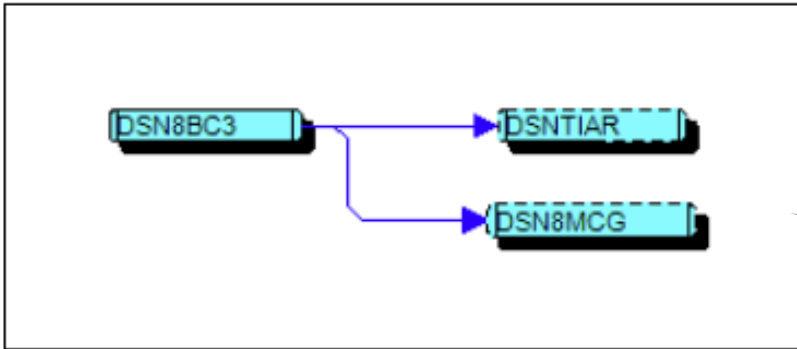
Result of ,PGM_Docu_BATCH '

Entry Point is a Cobol Batch program

Source - COBOL - General

MainPgm	EXEC-SQL	EXEC-CICS	EXEC-DLI	DynSQL	EXEC-ADABAS	Upd:User	Upd:Date	Upd:T	Load-Mod	Main-Lib	System
DSN8BC3		N	N	N	N				DSN8BC3	DSNC10.SDSNSAMP	PROJ1

Programs - Source - Call Diagram



Called sub programs

Programs - Source - Call

MainMod	MLng	SubPgm	SLng	Level	Method
DSN8BC3	COB	DSN8BC3	COB	0	DUMMY
DSN8BC3	COB	DSN8MCG	COB	1	CALL
DSN8BC3	COB	DSNTIAR		1	CALL

Result of ,PGM_Docu_BATCH '

Source - COBOL - General

MainPgm	Copy	Call	File	EXEC-SQL	DynSQL	DB2	CICS	EXEC-CICS	IMS	EXEC-DLI	Lines-M.	CommentM	Main-Lib
DSN8BC3	Y	Y	Y	Y	N	Y	N	N	N	N	621	267	DSNC10.SDSNSAMP

Used functions

Programs - Load Modules

Module	Mod-Size	Link-Date	LinkTime	APF	AMODE	RMODE	RENT	REUS	LoadLib
DSN8BC3	26548	02.04.2021	16:24:01	00	31	ANY	N	N	DSNC10.DBCG.RUNLIB.LOAD

Load module attributes

Source - COBOL - COPY

MainPgm	Line	COPY-Mem	COPY-Lib	Nest
DSN8BC3	239	SQLCA		1

Copy Books used

Programs - Source - DB2 Accesses

MainPgm	MTyp	SubPgm	STyp	Level	Object	Object Typ	Action
DSN8BC3	COB	DSN8BC3	COB	0	VEMPLP	TABLE	DECLARE
DSN8BC3	COB	DSN8BC3	COB	0	VEMPLP	TABLE/VIEW	UPDATE
DSN8BC3	COB	DSN8BC3	COB	0	VPHONE	TABLE	DECLARE
DSN8BC3	COB	DSN8BC3	COB	0	VPHONE	TABLE/VIEW	SELECT

DB2 accesses

Result of ,PGM_Docu_BATCH '

Programs - Source - File Accesses

MainPgm	MTyp	SubPgm	STyp	Level	DD-Name	Access	Method
DSN8BC3	COB	DSN8BC3	COB	0	CARDIN	CLOSE	
DSN8BC3	COB	DSN8BC3	COB	0	CARDIN	OPEN	INPUT
DSN8BC3	COB	DSN8BC3	COB	0	CARDIN	READ	
DSN8BC3	COB	DSN8BC3	COB	0	REPORT	CLOSE	
DSN8BC3	COB	DSN8BC3	COB	0	REPORT	OPEN	OUTPUT
DSN8BC3	COB	DSN8BC3	COB	0	REPORT	WRITE	

File Accesses

JCL - DSN

Program	Jobname	DD-Name	DSN	Mem/Gen.	DIS	LRECL	BLKSZ	RECF	UNIT	SPACE
DSN8BC3	DB2COB2	REPORT	SYSH.XINFO.V4R0.DATA.DB2COB2.REPORT		NCC		23474	FB		TRK,(10,10),RLSE
DSN8BC3	DB2COB2	SYSTSIN	*							
DSN8BC3	DB2COB2	CARDIN	*							
DSN8BC3	DB2COB2#	REPORT	SYSH.XINFO.V4R0.DATA.DB2COB2.REPORT		NCC		23474	FB		TRK,(10,10),RLSE
DSN8BC3	DB2COB2#	SYSTSIN	*							
DSN8BC3	DB2COB2#	CARDIN	*							
DSN8BC3	DB2COB2T	REPORT	P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1		NCC		23474	FB		TRK,(10,10),RLSE
DSN8BC3	DB2COB2T	SYSTSIN	*							
DSN8BC3	DB2COB2T	CARDIN	*							
DSN8BC3	HJOB0029	REPORT	SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT		NCC		23474	FB		TRK,(10,10),RLSE
DSN8BC3	HJOB0029	SYSTSIN	*							
DSN8BC3	HJOB0029	CARDIN	*							

Datasets from JCL

Dataset attributes

Result of ,PGM_Docu_BATCH '

Batch Jobs using this Program

JCL - EXEC Statements

Program	Jobname	SNr	JobStep	Procedur	ProcStep	Prg-Orig	PARM	REGION	COND	JCL-Lib
DSN8BC3	DB2COB2	2	PH02CS04			IKJEFT01			4,LT	SYSH.IXJC.JOBLIB
DSN8BC3	DB2COB2#	2	PH02CS04			IKJEFT01			4,LT	SYSH.IXJC.JOBLIB
DSN8BC3	DB2COB2T	2	PH02CS04			IKJEFT01			4,LT	SYSH.IXJC.JOBLIB
DSN8BC3	HJOB0029	2	PH02CS04			IKJEFT01			4,LT	SYSH.CTM.V919.JOBLIB

Scheduler - IWS z/OS - Run Cycles + Jobs

Jobname	Application ID	Period	Rule Definition	IATim	DD	DTime
DB2COB2	XINFODB2DEMO	DAY		06:00:00	1	06:00:00
DB2COB2T	XINFODB2DEMOT	DAY		06:00:00	1	06:00:00

JCL stored in Joblib

Scheduling information where Jobs runs

Impact Analysis

This kind of report is useful before changing a program to determine the amount of work to be done

- In the example the column "DEPTNUMBER" has to be changed. We search for:
 - All programs using a variable " DEPTNUMBER"
 - All programs calling these programs
 - All DB2 tables that have a column "DEPTNUMBER"
 - All programs that are using these tables
 - All CICS transactions and/or batch jobs using these programs

Result of 'Impact Analysis'

Source - COBOL - Variable Declarations

MainPgm	SrcMemb	Line	Section	Lv	Variable Name	Initial Value	Pictu	G	J	Redefines	Usage Clause
DSN8BC3	DSN8BC3	267	WORKING	02	DEPTNUMBER						

Program using the variable

Programs - Source - Call

MainMod	MLng	SubPgm	SLng	Level	Method
DSN8BC3	COB	DSN8BC3	COB	0	DUMMY

Program that is calling the program

DB2 - Cat: SYSCOLUMNS

Subs	Creator	Table	No	Column	Type	Len	N	D	Sca	Label	Default-Value	Key Seq	PK Col Seq	PK Order	Remarks
DBC	DSN8120	VPHONE	6	DEPTNUMBER	CHAR	3	N	N	0			0	0		
DBC	DSN8120	NEWPHONE	6	DEPTNUMBER	CHAR	3	N	N	0			0	0		

DB2 tables having a column with same name

Programs - Source - DB2 Accesses





MainPgm	MTyp	SubPgm	STyp	Level	Object	Object Typ	Action
DSN8BC3	COB	DSN8BC3	COB	0	VPHONE	TABLE	DECLARE
DSN8BC3	COB	DSN8BC3	COB	0	VPHONE	TABLE/VIEW	SELECT
DSN8BP3	PL1	DSN8BP3	PL1	0	VPHONE	TABLE	DECLARE
DSN8BP3	PL1	DSN8BP3	PL1	0	VPHONE	TABLE/VIEW	SELECT
DSN8CP3	PL1	DSN8CP3	PL1	0	VPHONE	TABLE	DECLARE
DSN8CP3	PL1	DSN8CP3	PL1	0	VPHONE	TABLE/VIEW	SELECT
DSN8IP3	PL1	DSN8IP3	PL1	0	VPHONE	TABLE	DECLARE
DSN8IP3	PL1	DSN8IP3	PL1	0	VPHONE	TABLE/VIEW	SELECT
DSN8SC3	COB	DSN8SC3	COB	0	VPHONE	TABLE	DECLARE
DSN8SC3	COB	DSN8SC3	COB	0	VPHONE	TABLE/VIEW	SELECT
DSN8SP3	PL1	DSN8SP3	PL1	0	VPHONE	TABLE	DECLARE
DSN8SP3	PL1	DSN8SP3	PL1	0	VPHONE	TABLE/VIEW	SELECT

Programs also using this table

Creating HTML Docu

If you want to create such a documentation, you need:

1. A Windows '.CMD' or '.BAT' file that starts the process
(optional, the BIF script can be started from PC Client with "file open")
2. A '.BIF' file with the BIF commands
3. A (encrypted) '.LGN' file with logon parameters (Userid, pwd, XINFO system)
4. A '.SEL' file containing the selection parameters

Name	Änderungsdatum	Typ	Größe
 PGM_Docu_Batch.BAT	16.07.2021 10:21	Windows-Batchda...	1 KB
 PGM_Docu_Batch.BIF	14.07.2021 11:14	BIF-Datei	2 KB
 PGM_Docu_Batch.sel	11.06.2021 09:24	SEL-Datei	1 KB
 User.lgn	11.06.2021 08:41	LGN-Datei	1 KB

Use the examples from our
download area to understand
and start your own solution

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' features the word in a bold, sans-serif font. The letter 'O' is highlighted in red, while the other letters are dark grey. A large red curved shape is on the left, and a yellow triangle is under the 'H'. A blue square is above the 'O', and another blue square is below the 'R'. A yellow circle is below the 'Z'.

HORIZONT

Please feel free to visit us in Munich or send an email to
info@horizont-it.com