



HORIZONT

XINFO – Scanner z/OS - SMF

What is this presentation about?

- This PowerPoint gives you a short overview about XINFO SMF Scanner and how to use it.

At some slides this button can be used to jump to specific slides in this presentation.

e.g. jump to slide xyz

Click on this symbol to jump to the overview slide

AGENDA

XINFO – Scanner z/OS - SMF

SMF – You like to know ...

Which files were accessed between 01:00 and 02:00?

Which jobs were active at 21:30?

Which programs were active between ...?

Which jobs did wait longer than 60 seconds?

Which jobs did wait because of “wait for enqueue”?

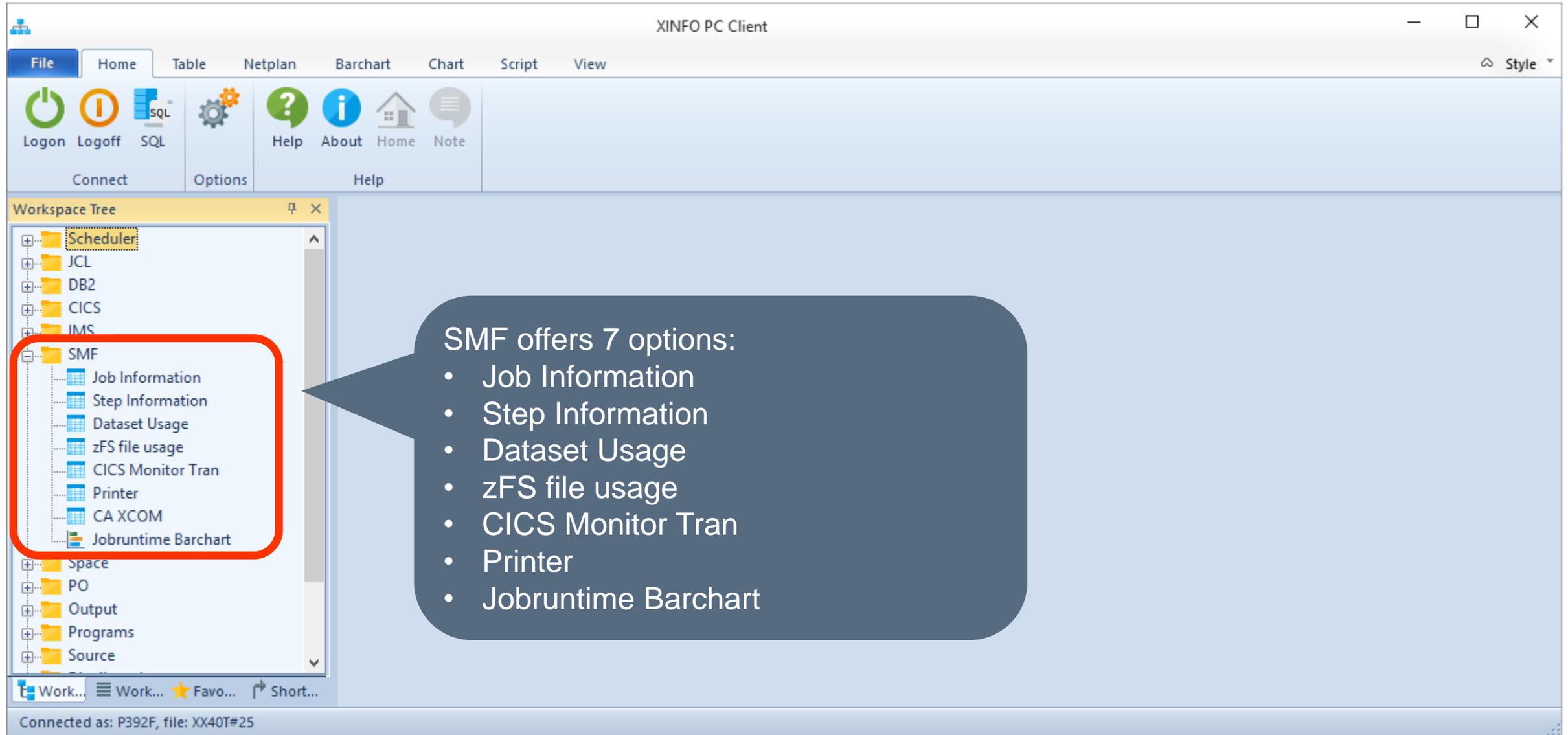
Which jobs were cancelled manually?

How often abandoned program XYZ since last month?

XINFO and SMF

- History is taken from SMF dump datasets
- SMF based job runtimes
- Program runtimes, EXPC, CPU usage, etc.
- File access
 - When?
 - How?
 - Who?

SMF - Displays



The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left is expanded to show the 'SMF' folder, which is highlighted with a red box. The 'SMF' folder contains the following sub-items:

- Job Information
- Step Information
- Dataset Usage
- zFS file usage
- CICS Monitor Tran
- Printer
- CA XCOM
- Jobruntime Barchart

A callout box on the right lists the 7 options available under SMF:

SMF offers 7 options:

- Job Information
- Step Information
- Dataset Usage
- zFS file usage
- CICS Monitor Tran
- Printer
- Jobruntime Barchart

The status bar at the bottom indicates: Connected as: P392F, file: XX40T#25

SMF – Dataset usage

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note". A dark blue callout box in the top right corner contains the text "To search for file access ...". On the left, the "Workspace Tree" is expanded to show the "SMF" folder, with "Dataset Usage" selected and highlighted. A dark blue callout box with a pointer to the selected item contains the text "... select 'Dataset usage'". The status bar at the bottom indicates "Connected as: P392F, file: XX40T#25".

SMF – Dataset usage Selection

SMF - Dataset Usage

Jobname	=		
Submit Timestamp	=		YYYY-MM-DD-HH:MM:SS
Stepnumber	=		
Program	=		
DD-Name	=		
DSN	=	P390A.JUP.DATA.*	
Member/Generation	=		
Usage	=		
Open Timestamp	>=	2017-08-30-01:00:00	YYYY-MM-DD-HH:MM:SS
Close Timestamp	<=	2017-08-30-02:00:00	YYYY-MM-DD-HH:MM:SS
Usage Duration (s)	=		
Jesname	=		
System ID	=		
DASD (Y/N)	=		
DISP (N.O.S.M.)	=		
VOLSER (1st)	=		

How was the file P390.JUP.Data.* used between ...

Connected as: P392F, file: XX40T#25

SMF – Dataset usage Results

The screenshot shows the XINFO PC Client interface for SMF Dataset Usage. The window title is "XINFO PC Client - SMF - Dataset Usage". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The toolbar contains various icons for actions like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, and Table Functions. The main area displays a table with the following columns: Jobname, Submit, DD-Name, DSN, Mem/Gen., Usage, Open Timestamp, Close Timestamp, Durat., SNr, Program, and Jesr. The table contains three rows of data for job X40JJUP3. Callouts highlight specific parts of the interface: "File usage" points to the Usage column, "Jobname" points to the Jobname column, "When was it OPENED?" points to the Open Timestamp column, and "When was it CLOSED?" points to the Close Timestamp column. The status bar at the bottom shows "Connected as: P392F, file: XX40T#25" and "Lines: 3".

Jobname	Submit	DD-Name	DSN	Mem/Gen.	Usage	Open Timestamp	Close Timestamp	Durat.	SNr	Program	Jesr
X40JJUP3	2017-08-30-01:00:05.460000	JUPPI004	P390A.JUP.DATA.PROCLIB		READ	2017-08-30-01:00:39.160000	2017-08-30-01:00:42.780000	4	3	JUPIPO	JOE
X40JJUP3	2017-08-30-01:00:05.460000	JUPPI004	P390A.JUP.DATA.PROCLIB		READ	2017-08-30-01:00:39.150000	2017-08-30-01:00:39.160000	0	3	JUPIPO	JOE
X40JJUP3	2017-08-30-01:00:05.460000	JUPPI004	P390A.JUP.DATA.PROCLIB		READ	2017-08-30-01:00:39.120000	2017-08-30-01:00:39.140000	0	3	JUPIPO	JOE

SMF – Dataset usage

XINFO PC Client - SMF - Dataset Usage

File Home Table Netplan Barchart Chart Script View Style

SMF - Dataset Usage

Jobname	S	DD-Name	DSN	Mem/Gen.	Usage	Open Timestamp	Close Timestamp	Durat.	SNr	Program	Jesname	Syst	DASD	DISP	VOLSER
<all>		<all>	<all>	<all>	<all>	<all>	<all>	<a...>	<...>	<all>	<all>	<...>	<all>	<...>	<all>
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-24-13:12:22.020000	2017-08-24-13:12:22.050000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-24-13:12:21.910000	2017-08-24-13:12:21.970000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-24-13:12:21.840000	2017-08-24-13:12:22.050000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-24-13:12:21.830000	2017-08-24-13:12:21.840000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN02
XXRJLOA	2	PWDIN	SYSH.XINFO.V4R0.PARM	XXRKPWD	READ	2017-08-24-13:12:21.760000	2017-08-24-13:12:21.770000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN01
XXRJLOA	2		SYSH.XINFO.V4R0.PARM	XXRKKEY	READ	2017-08-24-13:12:21.750000	2017-08-24-13:12:21.760000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN01
XXRJLOA	2	STEPLIB	SYSH.XINFO.V4R0.LOAD		READ	2017-08-24-13:12:21.680000	2017-08-24-13:12:22.080000	0	1	XXRILOA	JOB38748	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-23-13:48:25.420000	2017-08-23-13:48:25.420000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-23-13:48:25.420000	2017-08-23-13:48:25.420000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	DATA.XXR.LOADM0D.T17234		READ	2017-08-23-13:48:25.420000	2017-08-23-13:48:25.420000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN02
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.570000	2017-08-23-13:48:25.570000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.560000	2017-08-23-13:48:25.560000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.550000	2017-08-23-13:48:25.560000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.530000	2017-08-23-13:48:25.550000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.510000	2017-08-23-13:48:25.520000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.510000	2017-08-23-13:48:25.510000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.490000	2017-08-23-13:48:25.500000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.470000	2017-08-23-13:48:25.480000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.460000	2017-08-23-13:48:25.460000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.450000	2017-08-23-13:48:25.450000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.440000	2017-08-23-13:48:25.440000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.430000	2017-08-23-13:48:25.440000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.430000	2017-08-23-13:48:25.430000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03
XXRJLOA	2	LOALIBI	P390P.SMARTJCL.V3R3.LOAD		READ	2017-08-23-13:48:25.420000	2017-08-23-13:48:25.420000	0	1	XXRILOA	JOB38339	SOW1	Y	S	MAIN03

Extra columns for "DASD", "DISP" and "VOLSER"

Connected as: P392F, file: XX40T#25

Lines: 264

SMF Disposition – Example

The screenshot shows the XINFO PC Client interface. On the left is a Workspace Tree with folders like Scheduler, JCL, DB2, CICS, IMS, and SMF. Under SMF, there are sub-items like Job Information, Step Information, Dataset Usage (highlighted), zFS file usage, CICS Monitor Tran, Printer, CA XCOM, and Jobruntime Barchart. The main window is titled 'SMF - Dataset Usage' and contains a list of fields for job selection. Two fields are highlighted with red boxes: 'Usage' and 'DISP (N.O.S.M.)'. The 'Usage' field is set to '<>' and 'UPDATE'. The 'DISP (N.O.S.M.)' field is set to '0'. Two callout boxes provide instructions: one pointing to the 'Usage' field says 'Find all jobs, which have allocated files with DISP=OLD ...' and another pointing to the 'DISP (N.O.S.M.)' field says '... but DISP=O would be enough.' The dialog box has 'OK', 'Actions', and 'Cancel' buttons at the bottom.

Field	Value
Jobname	= []
Submit Timestamp	= [] YYYY-MM-DD-HH:MM:SS
Stepnumber	= []
Program	= []
DD-Name	= []
DSN	= []
Member/Generation	= []
Usage	<> UPDATE
Open Timestamp	= [] YYYY-MM-DD-HH:MM:SS
Close Timestamp	= [] YYYY-MM-DD-HH:MM:SS
Usage Duration (s)	= []
Jesname	= []
System ID	= []
DASD (Y/N)	= []
DISP (N.O.S.M.)	= 0
VOLSER (1st)	= []

Find all jobs, which have allocated files with DISP=OLD ...

... but DISP=O would be enough.

SMF Disposition – Example

XINFO PC Client - SMF - Dataset Usage

File Home Jobs Plan Barchart Chart Script View Style

Jobname	Submit	DD-Name	DSN	Mem/Gen.	Usage	Open Timestamp	Close Timestamp	Durat.	SNr	Program	Jesname
TWPJSZ	2017-08-23-05:01:00.260000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-23-05:01:02.480000	2017-08-23-05:01:02.660000	0	4	ICETOOL	JOB38142
TWPJSZ	2017-08-22-05:01:03.890000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-22-05:01:05.650000	2017-08-22-05:01:05.780000	0	4	ICETOOL	JOB37749
TWPJSZ	2017-08-21-05:01:09.570000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-21-05:01:11.230000	2017-08-21-05:01:11.280000	0	4	ICETOOL	JOB37365
TWPJSZ	2017-08-20-05:01:15.520000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-20-05:01:17.140000	2017-08-20-05:01:17.200000	0	4	ICETOOL	JOB37135
TWPJSZ	2017-08-19-05:01:14.970000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-19-05:01:16.650000	2017-08-19-05:01:16.710000	0	4	ICETOOL	JOB36898
TWPJSZ	2017-08-18-05:01:07.900000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-18-05:01:10.290000	2017-08-18-05:01:10.400000	0	4	ICETOOL	JOB36494
TWPJSZ	2017-08-17-05:01:20.480000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-17-05:01:22.230000	2017-08-17-05:01:22.290000	0	4	ICETOOL	JOB36089
TWPJSZ	2017-08-16-05:01:17.790000	I01	SYSH.XINFO.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-16-05:01:20.980000	2017-08-16-05:01:21.150000	0	4	ICETOOL	JOB35704
TWPJSZ37	2017-08-30-05:01:17.630000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-30-05:01:24.880000	2017-08-30-05:01:26.610000	2	4	ICETOOL	JOB40730
TWPJSZ37	2017-08-29-05:02:06.260000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-29-05:02:10.890000	2017-08-29-05:02:11.890000	1	4	ICETOOL	JOB40309
TWPJSZ37	2017-08-28-05:01:26.340000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-28-05:01:29.090000	2017-08-28-05:01:30.670000	2	4	ICETOOL	JOB39892
TWPJSZ37	2017-08-27-05:01:19.610000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-27-05:01:27.780000	2017-08-27-05:01:28.590000	1	4	ICETOOL	JOB39657
TWPJSZ37	2017-08-26-05:01:31.800000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-26-05:01:34.470000	2017-08-26-05:01:35.290000	1	4	ICETOOL	JOB39422
TWPJSZ37	2017-08-25-05:01:34.870000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-25-05:01:45.630000	2017-08-25-05:01:47.590000	2	4	ICETOOL	JOB38988
TWPJSZ37	2017-08-24-05:01:22.620000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-24-05:01:30.290000	2017-08-24-05:01:30.370000	0	4	ICETOOL	JOB38574
TWPJSZ37	2017-08-23-05:01:15.570000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-23-05:01:19.650000	2017-08-23-05:01:21.320000	2	4	ICETOOL	JOB38146
TWPJSZ37	2017-08-22-05:01:12.330000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-22-05:01:20.320000	2017-08-22-05:01:20.490000	0	4	ICETOOL	JOB37753
TWPJSZ37	2017-08-21-05:01:20.970000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-21-05:01:27.120000	2017-08-21-05:01:27.170000	0	4	ICETOOL	JOB37369
TWPJSZ37	2017-08-20-05:01:27.760000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-20-05:01:32.620000	2017-08-20-05:01:32.620000	0	4	ICETOOL	JOB37139
TWPJSZ37	2017-08-19-05:01:31.890000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-19-05:01:36.910000	2017-08-19-05:01:36.910000	1	4	ICETOOL	JOB36902
TWPJSZ37	2017-08-18-05:01:16.120000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-18-05:01:23.880000	2017-08-18-05:01:23.880000	0	4	ICETOOL	JOB36499
TWPJSZ37	2017-08-17-05:01:31.470000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-17-05:01:37.290000	2017-08-17-05:01:37.370000	0	4	ICETOOL	JOB36094
TWPJSZ37	2017-08-16-05:01:28.210000	I01	SYSH.XXR37.ITC12.DATA.ITCTW PSS.WORK01		READ	2017-08-16-05:01:35.890000	2017-08-16-05:01:36.230000	0	4	ICETOOL	JOB35709

Jobs

Usage

Files

Connected as: P392F, file: XX40T#25

Lines: 2920

SMF DASD – Example

With a left click another selection field appears

... between 01:00 and 02:00 o'clock

Find all Jobs, which used tape ...

Field	Operator	Value	Format
Jobname	=		
Submit Timestamp	>=	2016-08-29-01:00:00	YYYY-MM-DD-HH:MM:SS
	<=	2016-08-29-02:00:00	
Submitter	=		
Usage	=		
Open Timestamp	=		YYYY-MM-DD-HH:MM:SS
Close Timestamp	=		YYYY-MM-DD-HH:MM:SS
Usage Duration (s)	=		
Jesname	=		
System ID	=		
DASD (Y/N)	=	N	
DISP (N,O,S,M,)	=		
VOLSER (1st)	=		

SMF DASD – Example

XINFO PC Client - SMF - Dataset Usage

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Explorer Chart

Jobname	Submit	DD-Name	DSN	Mem/Gen.	Usage	Open Timestamp	Close Timestamp	Durat.	SNr
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<a...>	<>
XXRJFLO2	2016-08-26-01:31:32.120000	SYSIN	SYSH.XINFO.V3R6.DATA.XXRTFLJ.CA7		DELETE	2016-08-26-01:31:33.080000	2016-08-26-01:31:33.080000		1
XXRJFLO3	2016-09-03-01:25:01.460000	SYSIN	SYSH.XINFO.V3R6.DATA.XXRTFLO.CTM		DELETE	2016-09-03-01:25:03.130000	2016-09-03-01:25:03.130000		1
XXRJFLO3	2016-08-29-01:25:38.300000	SYSIN	SYSH.XINFO.V3R6.DATA.XXRTFLJ.CTM		DELETE	2016-08-29-01:25:39.810000	2016-08-29-01:25:39.810000		1
XXRJFLO3	2016-08-29-01:25:38.300000	SYSIN	SYSH.XINFO.V3R6.DATA.XXRTFLO.CTM		DELETE	2016-08-29-01:25:39.640000	2016-08-29-01:25:39.640000		1
XXRJFLO3	2016-08-23-01:31:47.870000	SYSIN	SYSH.XINFO.V3R6.DATA.XXRTFLJ.CTM		DELETE	2016-08-23-01:31:53.090000	2016-08-23-01:31:53.090000		1
X37J93D	2016-08-23-01:23:33.370000	SYSIN	SYSH.XINFO.V3R7.DATA.XXRT93N		DELETE	2016-08-23-01:23:41.190000	2016-08-23-01:23:41.190000		1

... resulted jobs

Connected as: P392F, file: XX36T#25 Lines: 6

SMF – Active jobs

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The ribbon contains several groups: "Edit" (Copy, Select All, Toggle Selection), "Table Layout" (Customize, Use Default, Use Custom), "Table Functions" (Group, Statistics, All), "Tools" (Show SQL, Inverse Filter), and "Chart" (New, Library, Explorer). A dark blue callout box in the upper right corner contains the text "To search for active jobs...". On the left, the "Workspace Tree" is expanded to show the "SMF" folder, with "Job Information" selected. A dark blue callout box with a pointer to "Job Information" contains the text "... select job information". The status bar at the bottom indicates "Connected as: P392F, file: XX36T#25".

SMF – Active jobs Selection

SMF - Job Information

Jobname	=	
Jesname	=	
Owner	=	
System ID	=	
Return-Code	=	
Start Time	<=	01.01.2016-21:30:00 DD.MM.YYYY-HH:MM:SS
End Time	>=	01.01.2016-21:30:00 DD.MM.YYYY-HH:MM:SS
Duration (hsec)	=	
Account	=	
CPU-Time (hsec)	=	
EXCP	=	

Wait for Init. hs	=	
Waits for Enq. hs	=	
Waits for Device_hs	=	
Pgm-Stor. below(KB)	=	
Sys-Stor. below(KB)	=	
Pgm-Stor. above(KB)	=	
Sys-Stor. above(KB)	=	
JCL SCHEDENV Value	=	
Service Class	=	
CPU service units	=	
SRB service units	=	
I/O service units	=	
CPU-Time zAAP hsec	=	
CPU-Time zIIP hsec	=	

OK Actions Cancel

Which jobs were active at 01.01.2016 at 21:30?
Please note: "Start time <=", "End Time >="

SMF – Active jobs Results

XINFO PC Client - SMF - Job Information

File Home Table Netplan Barchart

SMF - Job Information

Start time

End time

Jobname	Jesname	Owner	Syst	RC	Start-Time	End-Time	Durat.	Account	C	WTyp	Submit Time	CPU-T.	EXCP	W.-Init	W.-Enq	W.
DBBGADMT	STC15743	START1	SOW1		2015-12-12-15:44:42.820000	2016-02-11-21:59:03.700000	5292861			STC	2015-12-12-15:44:42.760000	898	88386	0	0	
DBBGDBM1	STC15741	START1	SOW1		2015-12-12-15:44:35.920000	2016-02-11-22:00:04.550000	5292929			STC	2015-12-12-15:44:35.860000	15669	76989927	0	0	
DBBGDIST	STC15742	START1	SOW1		2015-12-12-15:44:39.000000	2016-02-11-21:59:37.700000	5292899			STC	2015-12-12-15:44:38.920000	2644	4449	0	0	
DBBGIRLM	STC15740	START1	SOW1		2015-12-12-15:44:33.100000	2016-02-11-22:00:08.100000	5292935			STC	2015-12-12-15:44:32.070000	4293	507	1	0	
DBBGMSTR	STC15739	START1	SOW1		2015-12-12-15:44:31.050000	2016-02-11-22:00:06.020000	5292935			STC	2015-12-12-15:44:30.990000	4872	47105986	0	0	
DFSMSHSM	STC15730	START1	SOW1		2015-12-12-15:40:26.800000	2016-02-11-21:58:54.700000	5293108			STC	2015-12-12-15:40:26.580000	1122	1733152	0	0	
HZSPROC	STC15706	HCUSER	SOW1		2015-12-12-15:39:06.280000	2016-02-11-22:02:04.690000	5293378			STC	2015-12-12-15:38:49.190000	1927	153318	17	0	
INETD1	STC15719	START1	SOW1	S 222	2015-12-12-15:40:17.180000	2016-02-11-22:00:05.130000	5293188			OMVS	2015-12-12-15:40:17.180000	0	136	0	0	
JES2	JES2	START1	SOW1		2015-12-12-15:38:36.190000	2016-02-11-22:03:30.180000	5293494			STC	2015-12-12-15:38:35.810000	11361	6020785	0	0	
JES2MON	JES2MON	START1	SOW1		2015-12-12-15:38:39.950000	2016-02-11-22:03:23.940000	5293484			STC	2015-12-12-15:38:39.860000	21895	13	0	0	
LLA	LLA	START1	SOW1		2015-12-12-15:38:36.140000	2016-02-11-22:00:56.930000	5293341			STC	2015-12-12-15:38:35.770000	10	36471	0	0	
RACF	RACF	START1	SOW1		2015-12-12-15:38:36.140000	2016-02-11-22:02:59.610000	5293463			STC	2015-12-12-15:38:35.790000	169	636	0	0	
RESOLVER	RESOLVER	START1	SOW1		2015-12-12-15:39:15.140000	2016-02-11-22:02:25.130000	5293390			STC	2015-12-12-15:39:15.070000	23	521	0	0	
ROTJSHD	STC15972	ROTJSHD	SOW1		2015-12-14-18:46:21.930000	2016-02-11-21:59:06.990000	5109165			STC	2015-12-14-18:46:21.840000	565	7824	0	0	
RRS	RRS	START1	SOW1		2015-12-12-15:39:37.060000	2016-02-11-22:01:01.920000	5293285			STC	2015-12-12-15:39:36.850000	3025	1121	0	0	
SDSF	STC15722	START1	SOW1		2015-12-12-15:39:37.170000	2016-02-11-22:01:53.190000	5293336			STC	2015-12-12-15:39:36.910000	1	404	0	0	
TCPIP	STC15725	TCPIP	SOW1		2015-12-12-15:40:01.500000	2016-02-11-22:01:49.380000	5293308			STC	2015-12-12-15:40:01.420000	16562	7539	0	0	
TN3270	STC15726	START1	SOW1		2015-12-12-15:40:06.500000	2016-02-11-22:01:47.730000	5293301			STC	2015-12-12-15:40:06.430000	11098	942	0	0	
TSO	STC15724	START1	SOW1		2015-12-12-15:39:56.460000	2016-02-11-22:00:45.170000	5293249			STC	2015-12-12-15:39:56.400000	3	47	0	0	
TXGC	STC16177	TXGC	SOW1		2015-12-15-17:23:33.150000	2016-02-11-21:59:12.970000	5027740			STC	2015-12-15-17:23:33.050000	5513	5706173	0	0	
TXGT	STC16178	TXGC	SOW1		2015-12-15-17:23:33.810000	2016-02-11-21:59:12.890000	5027739			STC	2015-12-15-17:23:33.740000	608	571270	0	0	
VLF	VLF	START1	SOW1		2015-12-12-15:38:36.200000	2016-02-11-22:00:56.950000	5293341			STC	2015-12-12-15:38:35.830000	124	195	0	0	
VTAM	STC15705	START1	SOW1		2015-12-12-15:38:52.430000	2016-02-11-22:02:46.170000	5293434			STC	2015-12-12-15:38:49.180000	1106	4177	3	0	
			SOW1		2015-12-12-15:38:52.750000	2016-02-11-22:03:11.820000	5293459			STC	2015-12-12-15:38:49.530000	9922	5290206	0	0	

Jobname

Duration

EXCP

SMF – Active programs

The screenshot shows the XINFO PC Client interface. The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tool groups: Edit (Copy, Select All, Toggle Selection), Table Layout (Customize, Use Default, Use Custom), Table Functions (Group, Statistics, All), Tools (Show SQL, Inverse Filter), and Chart (New, Library, Explorer). On the left, the 'Workspace Tree' pane shows a hierarchical view of folders and sub-items. The 'SMF' folder is expanded, and 'Step Information' is highlighted with a yellow selection box. A callout bubble points to this selection with the text '... select Step Information'. Another callout bubble in the top right corner contains the text 'To get all programs which were active between ...'. The status bar at the bottom indicates 'Connected as: P392F, file: XX36T#25'.

To get all programs which were active between ...

... select Step Information

SMF – Active programs Selection

SMF - Step Information

Jobname = [] []
Jesname = [] []
Owner = [] []
Stepname = [] []
Stepnumber = [] []
Program = [] []
System ID = [] []
JobStepName = [] []
Return-Code = [] []
Start Time <= [] 2016-01-01-18:00:00 YYYY-MM-DD-HH:MM:SS
End Time >= [] 2016-01-01-17:00:00 YYYY-MM-DD-HH:MM:SS
Duration (sec) = [] []
Time since Submit = [] []
CPU-Time (sec) = [] []

EXCP = [] []
Submit Time = [] [] YYYY-MM-DD-HH:MM:SS
Wait for Enqueue = [] []
Wait for Device = [] []
Pgm-Stor. below(KB) = [] []
Sys-Stor. below(KB) = [] []
Pgm-Stor. above(KB) = [] []
Sys-Stor. above(KB) = [] []
JCL SCHEDENV Value = [] []
Service Class = [] []
Work Type = [] []
CPU service units = [] []
SRB service units = [] []
I/O service units = [] []
CPU-Time zAAP (sec) = [] []
CPU-Time zIIP (sec) = [] []

OK Actions Cancel

Which programs were active at 01.01.2016 between 17:00 and 18:00?

SMF – Active programs Results

XINFO PC Client -

File Home Table Netplan Barchart

SMF - Step Information

Start time ... Click here to sort by Start time

Jobname	SNr	Owner	Program	RetCode	Start-Time	Durat.	Dif.SU	Stepname	End-Time	CPU-T.	EXCP	Jesname	Syst	Submit Time
TXGT	1	TXGC	EQQMAJOR		2015-12-15-17:23:33.810000	5027739	0	TXGT	2016-02-11-21:59:12.610000	608	571270	STC16178	S0W1	2015-12-15-17:23:33.740000
TXGC	1	TXGC	EQQMAJOR		2015-12-15-17:23:33.150000	5027740	0	TXGC	2016-02-11-21:59:12.960000	5513	5706173	STC16177	S0W1	2015-12-15-17:23:33.050000
ROTJSHD	1	ROTJSHD	ROTISHD		2015-12-14-18:46:21.930000	5109165	0	ROTISHD	2016-02-11-21:59:06.980000	565	7824	STC15972	S0W1	2015-12-14-18:46:21.840000
DBBGADMT	1	START1	DSNADMT0		2015-12-12-15:44:42.820000	5292861	0	STARTADM	2016-02-11-21:59:03.690000	898	88386	STC15743	S0W1	2015-12-12-15:44:42.760000
DBBGDIST	1	START1	DSNYASCP		2015-12-12-15:44:39.000000	5292899	0	IEFPROC	2016-02-11-21:59:37.690000	2644	4449	STC15742	S0W1	2015-12-12-15:44:38.920000
DBBGDBM1	1	START1	DSNYASCP		2015-12-12-15:44:35.920000	5292929	0	IEFPROC	2016-02-11-22:00:04.430000	15669	76989927	STC15741	S0W1	2015-12-12-15:44:35.860000
DBBGIRLM	1	START1	DXRRLM00		2015-12-12-15:44:33.100000	5292935	1		2016-02-11-22:00:08.090000	4293	507	STC15740	S0W1	2015-12-12-15:44:32.070000
DBBGMSTR	1	START1	DSNYASCP		2015-12-12-15:44:31.050000	5292935	0	IEFPROC	2016-02-11-22:00:06.010000	4872	47105986	STC15739	S0W1	2015-12-12-15:44:30.990000
DFSMSHSM	1	START1	ARCCTL		2015-12-12-15:40:26.800000	5293108	0	DFSMSHSM	2016-02-11-21:58:54.680000	1122	1733152	STC15730	S0W1	2015-12-12-15:40:26.580000
INETD1	1	START1	BPXPRFC	S 222	2015-12-12-15:40:17.180000	5293188	0	STEP1	2016-02-11-22:00:05.130000	0	136	STC15719	S0W1	2015-12-12-15:40:17.180000
TN3270	1	START1	EZBTNINI		2015-12-12-15:40:06.500000	5293301	0	TN3270	2016-02-11-22:01:47.680000	11098	942	STC15726	S0W1	2015-12-12-15:40:06.430000
TCPIP	1	TCPIP	EZBTCPIP		2015-12-12-15:40:01.500000	5293308	0	TCPIP	2016-02-11-22:01:49.250000	16562	7539	STC15725	S0W1	2015-12-12-15:40:01.420000
TSO	1	START1	IKTCAS00		2015-12-12-15:39:56.460000	5293249	0	STEP1	2016-02-11-22:00:45.160000	3	47	STC15724	S0W1	2015-12-12-15:39:56.400000
SDSF	1	START1	ISFHCTL		2015-12-12-15:39:37.170000	5293335	0	SDSF	2016-02-11-22:01:52.640000	1	404	STC15722	S0W1	2015-12-12-15:39:36.910000
RRS	1	START1	ATRIMIKE		2015-12-12-15:39:37.060000	5293282	0	RRS	2016-02-11-22:00:59.050000	3025	1121	RRS	S0W1	2015-12-12-15:39:36.850000
RESOLVER	1	START1	EZBREINI		2015-12-12-15:39:15.140000	5293390	0	EZBREINI	2016-02-11-22:02:25.100000	23	521	RESOLVER	S0W1	2015-12-12-15:39:15.070000
HZSPROC	1	HCUSER	HZSNIT		2015-12-12-15:39:06.280000	5293378	17	HZSSTEP	2016-02-11-22:02:03.880000	1927	153318	STC15706	S0W1	2015-12-12-15:38:49.190000
ZFS	1	*	BPX		2015-12-12-15:38:52.750000	5293459	10	ZFZGO	2016-02-11-22:03:11.800000	9922	5290306	STC15702	S0W1	2015-12-12-15:38:42.530000
VTAM	1	START1	IST		2015-12-12-15:38:52.430000	5293434	3	VTAM	2016-02-11-22:02:46.140000	1106	4177	STC15705	S0W1	2015-12-12-15:38:49.180000
JES2MON	1	START1	HASJES2\$		2015-12-12-15:38:39.950000	5293484	0	IEFPROC	2016-02-11-22:03:23.900000	21895	13	JES2MON	S0W1	2015-12-12-15:38:39.860000
VLF	1	START1	COFMINIT		2015-12-12-15:38:36.200000	5293340	0	VLF	2016-02-11-22:00:56.310000	124	195	VLF	S0W1	2015-12-12-15:38:35.830000
JES2	1	START1	HASJES20		2015-12-12-15:38:36.190000	5293494	0	IEFPROC	2016-02-11-22:03:30.130000	11361	6020785	JES2	S0W1	2015-12-12-15:38:35.810000
LLA	1	START1	CSVLLCRE		2015-12-12-15:38:36.140000	5293340	0	LLA	2016-02-11-22:00:56.090000	10	36471	LLA	S0W1	2015-12-12-15:38:35.770000
RACE	1	START1	IRRSSM00		2015-12-12-15:38:36.140000	5293463	0	RACE	2016-02-11-22:02:59.570000	169	636	RACE	S0W1	2015-12-12-15:38:35.790000

Jobname

RC

Duration

End time

Lines: 24

SMF – JES Job waits

The screenshot shows the XINFO PC Client interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. Below the menu is a toolbar with various icons for editing, table functions, and charting. On the left, the 'Workspace Tree' pane is visible, showing a hierarchical structure of folders and sub-items. The 'SMF' folder is expanded, and 'Job Information' is selected. A callout box points to 'Job Information' with the text '... select Job Information'. Another callout box in the upper right area contains the text 'To get all jobs with Wait times longer than...'. The status bar at the bottom indicates the user is connected as 'P392F' to file 'XX36T#25'.

To get all jobs with Wait times longer than...

... select Job Information

Connected as: P392F, file: XX36T#25

SMF – JES job waits Selection

SMF - Job Information

Jobname	=		
Jesname	=		
Owner	=		
System ID	=		
Return-Code	=		
Start Time	>=	2016-09-04-01:00:00	YYYY-MM-DD-HH
End Time	<=	2016-09-04-02:00:00	YYYY-MM-DD-HH
Duration (sec)	=		
Account	=		
Job Class	=		
Work Type	=		
Submit Time	=		
CPU-Time (sec)	=		
EXCP	=		
Wait for Initiator	=	30	
Waits for Enqueue	=		
Waits for Device	=		
Pgm-Stor. below(KB)	=		
SRB service units	=		
I/O service units	=		
CPU-Time zAAP (sec)	=		
CPU-Time zIIP (sec)	=		

OK Actions Cancel

Which jobs did wait on the 04.09.2016 between 01:00 and 02.00 in the JES input queue longer than 30 seconds

SMF – JES job waits Results

XINFO PC Client - SMF - Job Information

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Explorer Chart

SMF - Job Information

Jobname	Jesname	Owner	Syst	RC	Start-Time	End-Time	Durat.	Account	C	WTyp	Submit Time	CPU-T.	EXCP	W.-Init	W.-Enq	W.-Dev	Bel
X37JD2	JOB14346	TXGC	S0W1	CC 0004	2016-09-04-01:20:55.950000	2016-09-04-01:21:14.140000	18	ACCOUNT	A	JES2	2016-09-04-01:20:26.160000	5	3387	30	0	4	
X40JD2	JOB14415	TXGC	S0W1	CC 0004	2016-09-04-01:31:08.570000	2016-09-04-01:31:50.290000	42	ACCOUNT	A	JES2	2016-09-04-01:30:38.230000	6	4674	30	0	6	

Jobname Start time Wait time

Connected as: P392F, file: XX36T#25 Lines: 2

SMF – Wait for enqueue

The screenshot shows the XINFO PC Client interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The 'Table' menu is active, showing options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, and Library. The 'Workspace Tree' on the left lists various folders and sub-items, with 'Step Information' under the 'SMF' folder highlighted. A dark blue callout box with white text says: "To get all steps which did wait longer than 10 seconds because of 'wait for enqueue?' ...". Another dark blue callout box with white text says: "... select Step Information". The status bar at the bottom indicates "Connected as: P392F, file: XX40T#25".

SMF – Wait for enqueue Selection

SMF - Step Information

Jobname	=	
Jesname	=	
Owner	=	
Stepname	=	
Stepnumber	=	
Program	=	
System ID	=	
JobStepName	=	
Return-Code	=	
Start Time	=	
End Time	=	
Duration (sec)	=	
Time since Submit	=	
CPU-Time (sec)	=	
EXCP	=	

Submit Time = DD.MM.YYYY-HH:MM:SS

Wait for Enqueue	>=	10
Wait for Device	=	
Pgm-Stor. below(KB)		
Sys-Stor. below(KB)	=	
Pgm-Stor. above(KB)	=	
Sys-Stor. above(KB)	=	
INVT Value	=	
CPU service units	=	
SRB service units	=	
I/O service units	=	
CPU-Time zAAP (sec)	=	
CPU-Time zIIP (sec)	=	

OK Actions Cancel

... wait for enqueue for more than 10 seconds

SMF – Wait for enqueue Results

The screenshot shows the XINFO PC Client interface for SMF Step Information. The window title is "XINFO PC Client - SMF - Step Information". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, Library, and Explorer. The main area displays a table with the following columns: Jobname, SNr, Owner, Program, RetCode, Start-Time, Durat., Dif.SU, Stepname, End-Time, CPU-T., EXCP, Jesname, Syst, and Submit Time. The table contains six rows of job data. Callouts point to the Jobname and Start time columns, and a note indicates that the user should scroll to the right.

Jobname	SNr	Owner	Program	RetCode	Start-Time	Durat.	Dif.SU	Stepname	End-Time	CPU-T.	EXCP	Jesname	Syst	Submit Time
XXRJCM51	1	TXGC	IDCAMS		2016-08-31-01:18:39.770000	10	0	IDCAMS	2016-08-31-01:18:49.920000	0	52	JOB12613	SOW1	2016-08-31-01:18:49.920000
XXRJCM52	1	TXGC	IDCAMS		2016-08-28-01:18:46.120000	10	0	IDCAMS	2016-08-28-01:18:56.100000	0	52	JOB11351	SOW1	2016-08-28-01:18:56.100000
X37JCM52	1	TXGC	IDCAMS		2017-08-21-01:19:40.370000	11	1	IDCAMS	2017-08-21-01:19:50.940000	0	147	JOB37279	SOW1	2017-08-21-01:19:50.940000
X37JCM52	1	TXGC	IDCAMS		2017-08-17-01:19:09.510000	10	0	IDCAMS	2017-08-17-01:19:19.930000	0	146	JOB36006	SOW1	2017-08-17-01:19:19.930000
X37JPSM	1	TXGC	IDCAMS		2017-08-16-01:19:32.910000	12	1	IDCAMS	2017-08-16-01:19:44.920000	0	583	JOB35629	SOW1	2017-08-16-01:19:44.920000
X40JPSM	1	TXGC	IDCAMS		2017-08-07-01:18:21.170000	12	1	IDCAMS	2017-08-07-01:18:33.010000	0	482	JOB32319	SOW1	2017-08-07-01:18:33.010000

Jobname

Start time

... scroll to the right...

Connected as: P392F, file: XX40T#25

Lines: 6

SMF – Wait for enqueue Results

The screenshot shows the XINFO PC Client interface for SMF Step Information. The window title is "XINFO PC Client - SMF - Step Information". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, and Chart options. The main area displays a table with columns for Jobname, EXCP, Jesname, Syst, Submit Time, JobStepN, W.-Enq, W.-Dev, Below, S-Bel, Above, S-Above, SCHEDENV, SrvClass, WTyp, CPU-SU, SRB-SU, IO-SU, zAAP-T, and zLIF. A callout box with a blue background and white text points to the table, stating "Waiting for Enqueue".

Jobname	EXCP	Jesname	Syst	Submit Time	JobStepN	W.-Enq	W.-Dev	Below	S-Bel	Above	S-Above	SCHEDENV	SrvClass	WTyp	CPU-SU	SRB-SU	IO-SU	zAAP-T	zLIF
<all>	<...>	<all>	<...>	<all>	<all>	<all>	<all>	<a...>	<...>	<all>	<all>	<all>	<all>	<a...>	<all>	<all>	<a...>	<all>	<all>
XXRJCM51	52	JOB12613	S0W1	2016-08-31-01:18:39.320000	DELETE1	10	0	240	276	20	16520		BATMDM	JES2	43	1	4	0	
XXRJCM52	52	JOB11351	S0W1	2016-08-28-01:18:45.670000	DELETE1	10	0	240	276	20	13264		BATMDM	JES2	49	2	4	0	
X37JCM52	147	JOB37279	S0W1	2017-08-21-01:19:39.080000	DELETE1	10	0	240	272	20	26372		BATMDM	JES2	45	4	13	0	
X37JCM52	146	JOB36006	S0W1	2017-08-17-01:19:09.150000	DELETE1	10	0	240	272	20	14344		BATMDM	JES2	48	4	13	0	
X37JPSM	583	JOB35629	S0W1	2017-08-16-01:19:32.140000	DELETE	10	0	244	268	20	15636		BATMDM	JES2	265	21	57	0	
X40JPSM	482	JOB32319	S0W1	2017-08-07-01:18:20.260000	DELETE	10	0	244	268	20	15636		BATMDM	JES2	260	19	47	0	

Waiting for Enqueue

Connected as: P392F, file: XX40T#25

Lines: 6

SMF – Cancelled jobs

The screenshot shows the XINFO PC Client interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon below contains various tool groups: Edit (Copy, Select All, Toggle Selection), Table Layout (Customize, Use Default, Use Custom), Table Functions (Group, Statistics, All, Subtable, Graph), Tools (Show SQL, Inverse Filter), and Chart (New, Library, Explorer). On the left, the 'Workspace Tree' pane is open, showing a hierarchical view of folders and files. The 'SMF' folder is expanded, and 'Job Information' is selected. A callout box points to 'Job Information' with the text '... select Job Information'. Another callout box in the top right corner contains the text 'Which jobs were cancelled this month? ...'. The status bar at the bottom indicates 'Connected as: P392F, file: XX40T#25'.

Which jobs were cancelled this month? ...

... select Job Information

SMF – Cancelled jobs Selection

The image shows a screenshot of the 'SMF - Job Information' dialog box. The dialog is divided into two main sections. The left section contains fields for job details, and the right section contains fields for job characteristics and service units. Two callout boxes provide additional context: one points to the 'Return-Code' field, and another points to the 'Start Time' field.

Field	Operator	Value
Jobname	=	
Jesname	=	
Owner	=	
System ID	=	
Return-Code	=	S*222
Start Time	>=	2017-04-01-00:00:00
End Time	=	
Duration (sec)	=	
Account	=	
Job Class	=	
Job Class Long	=	
Work Type	=	
Submit Time	=	
CPU-Time (sec)	=	

EXCP	=	
Wait for Initiator	=	
Waits for Enqueue	=	
Waits for Device	=	
Pgm-Stor. below(KB)	=	
Sys-Stor. below(KB)	=	
Pgm-Stor. above(KB)	=	
Sys-Stor. above(KB)	=	
JCL SCHEDENV Value	=	
Service Class	=	
CPU service units	=	
SRB service units	=	
I/O service units	=	
CPU-Time zAAP (sec)	=	
CPU-Time zIIP (sec)	=	

Buttons: OK, Actions, Cancel

Returncode S222

Which jobs were cancelled after 1st of April?

SMF – Cancelled jobs Results

XINFO PC Client - SMF - Job Information

File Home Table Netplan Barchart Chart Script View Style

SMF - Job Information

Jobname	Jesname	Owner	Syst	RC	Start-Time	End-Time	Durat.	Account	C	C Long	WTyp	Submit Time	CPU-T.	EXCP	W.-Init	W.-En
BFGGLIS	JOB35164	BRIAN	SOW1	S 222	2017-08-15-00:24:04.120000	2017-08-15-00:24:12.960000	9		A	A	JES2	2017-08-15-00:24:03.960000	8	1132	0	
BFGGLIS	JOB35162	BRIAN	SOW1	S 222	2017-08-15-00:05:19.520000	2017-08-15-00:05:57.480000	38		A	A	JES2	2017-08-15-00:05:19.360000	30	843	0	
ERIC	TSU19596	ERIC	SOW1	S 222	2017-07-03-10:47:17.780000	2017-07-03-15:29:07.960000	16910	ACCT#		TSU	TSO	2017-07-03-10:47:17.320000	2	586	0	
ERIC	TSU18021	ERIC	SOW1	S 222	2017-06-29-16:55:03.000000	2017-06-29-16:56:20.570000	78	ACCT#		TSU	TSO	2017-06-29-16:55:02.870000	0	142	0	
ERIC	TSU14871	ERIC	SOW1	S 222	2017-06-21-14:49:37.360000	2017-06-21-15:52:43.520000	3786	ACCT#		TSU	TSO	2017-06-21-14:49:37.180000	1	203	0	
ERIC	TSU01037	ERIC	SOW1	S 222	2017-05-11-11:55:33.100000	2017-05-11-13:08:45.130000	4392	ACCT#		TSU	TSO	2017-05-11-11:55:32.930000	3	829	0	
ERIC	TSU01035	ERIC	SOW1	S 222	2017-05-11-11:53:15.740000	2017-05-11-11:55:19.100000	123	ACCT#		TSU	TSO	2017-05-11-11:53:14.860000	1	266	1	
ERIC	TSU98126	ERIC	SOW1	S 222	2017-05-03-12:20:44.850000	2017-05-03-12:23:10.880000	146	ACCT#		TSU	TSO	2017-05-03-12:20:44.700000	1	241	0	
ERIC	TSU88048	ERIC	SOW1	S 222	2017-04-04-11:53:42.200000	2017-04-04-11:54:54.580000	72	ACCT#		TSU	TSO	2017-04-04-11:53:42.050000	0	128	0	
ERIC	TSU88044	ERIC	SOW1	S 222	2017-04-04-11:50:34.310000	2017-04-04-11:53:23.000000	169	ACCT#		TSU	TSO	2017-04-04-11:50:33.390000	2	963	1	
JMQ01	JOB18538	MICHEL	SOW1	S 222	2017-06-30-18:13:57.420000	2017-06-30-18:14:29.850000	32	ACCT#	A	A	JES2	2017-06-30-18:13:57.290000	31	566	0	
P3900	TSU93258	P3900	SOW1	S 222	2017-04-19-12:42:26.710000	2017-04-19-14:34:38.960000	6732	ACCT#		TSU	TSO	2017-04-19-12:42:26.550000	3	663	0	
P390P	TSU38639	P390P	SOW1	S 222	2017-08-24-08:04:24.920000	2017-08-24-13:10:41.150000	18376	ACCT#		TSU	TSO	2017-08-24-08:04:24.780000	3	998	0	
P390P	STC38313	P390P	SOW1	S 222	2017-08-23-12:32:31.560000	2017-08-23-12:37:15.250000	284				OMVS	2017-08-23-12:32:31.560000	0	1352	0	
P390P	TSU07869	P390P	SOW1	S 222	2017-06-02-12:22:05.230000	2017-06-02-15:53:33.510000	12688	ACCT#		TSU	TSO	2017-06-02-12:22:04.290000	28	26230	1	
P391F	TSU98108	P391F	SOW1	S 222	2017-05-03-10:23:37.490000	2017-05-03-13:29:54.790000	11177	ACCT#		TSU	TSO	2017-05-03-10:23:37.340000	10	23350	0	
P391T	TSU99767	P391T	SOW1	S 222	2017-05-08-09:59:35.140000	2017-05-08-12:02:01.960000	7347	ACCT#		TSU	TSO	2017-05-08-09:59:34.940000	3	2018	0	
P391U	TSU25570	P391U	SOW1	S 222	2017-07-19-12:49:53.330000	2017-07-19-13:01:25.360000	692	ACCT#		TSU	TSO	2017-07-19-12:49:53.170000	0	146	0	
SMCTMJX	JOB34751	BRIAN	SOW1	S 222	2017-08-13-22:09:20.920000	2017-08-13-22:09:41.970000	21	ACCOUNT	A	A	JES2	2017-08-13-22:09:20.770000	20	5430	0	
SMCTMJX	JOB34750	BRIAN	SOW1	S 222	2017-08-13-22:05:18.210000	2017-08-13-22:06:04.800000	47	ACCOUNT	A	A	JES2	2017-08-13-22:05:18.080000	43	8950	0	
SMCTMJX	JOB34749	BRIAN	SOW1	S 222	2017-08-13-22:03:36.750000	2017-08-13-22:04:04.050000	27	ACCOUNT	A	A	JES2	2017-08-13-22:03:36.590000	25	6251	0	
SMCTMJX	JOB34746	BRIAN	SOW1	S 222	2017-08-13-21:55:49.320000	2017-08-13-21:56:48.660000	59	ACCOUNT	A	A	JES2	2017-08-13-21:55:49.160000	57	2547	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	
SMCTMJX	JOB34745	BRIAN	SOW1	S 222	2017-08-13-21:52:58.890000	2017-08-13-21:53:57.280000	58	ACCOUNT	A	A	JES2	2017-08-13-21:52:58.750000	56	2566	0	

SMF – Program return codes

The screenshot shows the XINFO PC Client interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon below contains various tool groups: Edit (Copy, Select All, Toggle Selection), Table Layout (Customize, Use Default, Use Custom), Table Functions (Group, Statistics, All), Tools (Show SQL, Inverse Filter), and Chart (New, Library, Explorer). On the left, the 'Workspace Tree' pane shows a hierarchical view of folders and files. The 'SMF' folder is expanded, and 'Job Information' is selected and highlighted with a yellow border. A callout box points to this selection with the text '... select Job Information'. At the top right, another callout box asks 'You need an overview about the return codes for a production day?'. The status bar at the bottom indicates 'Connected as: P392F, file: XX40T#25'.

You need an overview about the return codes for a production day?

... select Job Information

SMF – Program return codes Selection

The image shows a screenshot of the 'SMF - Job Information' dialog box. The 'Start Time' field is highlighted with a red rectangle and contains the date '2017-08-30'. A callout bubble with the text 'Specify the date ...' points to this field. The dialog box is divided into two sections: 'Job Information' on the left and 'Performance Metrics' on the right. The 'Job Information' section includes fields for Jobname, Jesname, Owner, System ID, Return-Code, Start Time, End Time, Duration (sec), Account, Job Class, Job Class Long, Work Type, and Submit Time. The 'Performance Metrics' section includes fields for CPU-Time (sec), EXCP, Wait for Initiator, Waits for Enqueue, Waits for Device, Pgm-Stor. below(KB), Sys-Stor. below(KB), Pgm-Stor. above(KB), Sys-Stor. above(KB), JCL SCHEDENV Value, Service Class, CPU service units, SRB service units, I/O service units, CPU-Time zAAP (sec), and CPU-Time zIIP (sec). The dialog box has an 'OK' button, an 'Actions' dropdown menu, and a 'Cancel' button.

Field	Operator	Value	Format
Jobname	=		
Jesname	=		
Owner	=		
System ID	=		
Return-Code	=		
Start Time	>=	2017-08-30	YYYY-MM-DD-HH:MM
End Time	=		YYYY-MM-DD-HH:MM
Duration (sec)	=		
Account	=		
Job Class	=		
Job Class Long	=		
Work Type	=		
Submit Time	=		YYYY-MM-DD-HH:MM

Field	Operator	Value
CPU-Time (sec)	=	
EXCP	=	
Wait for Initiator	=	
Waits for Enqueue	=	
Waits for Device	=	
Pgm-Stor. below(KB)	=	
Sys-Stor. below(KB)	=	
Pgm-Stor. above(KB)	=	
Sys-Stor. above(KB)	=	
JCL SCHEDENV Value	=	
Service Class	=	
CPU service units	=	
SRB service units	=	
I/O service units	=	
CPU-Time zAAP (sec)	=	
CPU-Time zIIP (sec)	=	

Specify the date ...

SMF – Program return codes Results

The screenshot shows the XINFO PC Client interface for SMF Job Information. The ribbon includes 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Chart', 'Script', and 'View'. The 'Table' ribbon is active, showing options like 'Copy', 'Select All', 'Toggle Selection', 'Customize', 'Use Default', 'Use Custom', 'Group', 'Statistics', 'All', 'Show SQL', 'Inverse Filter', 'New', 'Library Explorer', and 'Chart'. A callout box labeled 'Select group' points to the 'Group' button. The main window displays a table with columns: Jobname, Jesname, Owner, Syst, RC, Time, Durat., Account, C, C Long, WTyp, Submit Time, and CPU-T. The table contains 20 rows of job data.

Jobname	Jesname	Owner	Syst	RC	Time	Durat.	Account	C	C Long	WTyp	Submit Time	CPU-T
AHZ00010	JOB40738	TXGC	S0W1		2017-08-30-05:03:38.590000	2017-08-30-05:03:39.160000	1		A A	JES2	2017-08-30-05:03:38.500000	
AHZ00011	JOB40736	TXGC	S0W1		2017-08-30-05:03:36.580000	2017-08-30-05:03:37.220000	1		A A	JES2	2017-08-30-05:03:36.490000	
BPXAS	STC40581	START1	S0W1		2017-08-30-01:01:37.770000	2017-08-30-01:31:57.290000	1820		STC	STC	2017-08-30-01:01:37.590000	
DB2C	JOB40568	TXGC	S0W1		2017-08-30-00:00:00.890000	2017-08-30-00:00:01.520000	1		A A	JES2	2017-08-30-00:00:00.760000	
DB2COB2	JOB40570	TXGC	S0W1		2017-08-30-00:00:02.430000	2017-08-30-00:00:02.960000	1		B B	JES2	2017-08-30-00:00:01.710000	
DB2COMP	JOB40571	TXGC	S0W1	CC 0001	2017-08-30-00:00:03.140000	2017-08-30-00:00:03.900000	1		A A	JES2	2017-08-30-00:00:03.010000	
DB2PL12	JOB40569	TXGC	S0W1		2017-08-30-00:00:01.310000	2017-08-30-00:00:01.840000	1		A A	JES2	2017-08-30-00:00:00.820000	
FTPD5	STC40581	FTPD	S0W1		2017-08-30-01:01:37.820000	2017-08-30-01:01:38.770000	1			OMVS	2017-08-30-01:01:37.780000	
HOR05010	JOB40715	TXGC	S0W1		2017-08-30-04:45:00.120000	2017-08-30-04:55:00.260000	600		A A	JES2	2017-08-30-04:45:00.050000	
HOR06010	JOB40750	TXGC	S0W1		2017-08-30-05:05:18.040000	2017-08-30-05:15:18.190000	600		A A	JES2	2017-08-30-05:05:17.430000	
HOR06010	JOB40717	TXGC	S0W1		2017-08-30-04:55:00.350000	2017-08-30-05:05:00.520000	600		A A	JES2	2017-08-30-04:55:00.300000	
HOR88000	JOB40716	TXGC	S0W1		2017-08-30-04:55:00.200000	2017-08-30-05:05:00.390000	600		A A	JES2	2017-08-30-04:55:00.120000	
ITCJCA71	JOB40749	TXGC	S0W1		2017-08-30-05:04:59.900000	2017-08-30-05:05:03.840000	4	ACCOUNT	A A	JES2	2017-08-30-05:04:59.460000	
ITCJCTM1	JOB40747	TXGC	S0W1		2017-08-30-05:04:50.500000	2017-08-30-05:04:54.900000	4	ACCOUNT	A A	JES2	2017-08-30-05:04:48.710000	
ITCJSMF1	JOB40746	TXGC	S0W1		2017-08-30-05:04:50.510000	2017-08-30-05:05:17.270000	27	ACCOUNT	A A	JES2	2017-08-30-05:04:46.800000	
ITCJSMF2	JOB40752	TXGC	S0W1		2017-08-30-05:05:22.150000	2017-08-30-05:05:26.020000	4	ACCOUNT	A A	JES2	2017-08-30-05:05:20.280000	
ITCJSMF3	JOB40753	TXGC	S0W1		2017-08-30-05:05:26.840000	2017-08-30-05:05:33.440000	7	ACCOUNT	A A	JES2	2017-08-30-05:05:26.430000	
ITCJSMF4	JOB40754	TXGC	S0W1		2017-08-30-05:05:34.500000	2017-08-30-05:05:36.290000	2	ACCOUNT	A A	JES2	2017-08-30-05:05:34.270000	

Connected as: P392F, file: XX40T#25 Lines: 196

SMF – Program return codes Results

The screenshot shows the XINFO PC Client interface for SMF Job Information. A 'Group By...' dialog box is open, listing various columns for grouping. The 'RC' (Return Code) column is selected, indicated by a red box and a callout: "Specify RC with a click on the box ...". The 'OK' button is also highlighted with a callout: "... and click on OK".

The main window displays a table of job information with columns: Jobname, Jesname, Owner, Syst, RC, Start-Time, End-Time, Durat., Account, C, C Long, WTyp, Submit Time, CPU-T., EXCP, W.-Init, W.-Enq, W.-Dev, Below, S-Bel, Above, S-Above, SCHEDENV, SrvClass, and CPU-CU.

Jobname	Jesname	Owner	Syst	RC	Start-Time	End-Time	Durat.	Account	C	C Long	WTyp	Submit Time	CPU-T
AHZ00010	JOB40738	TXGC	S0W1							A	JES2	2017-08-30-05:03:38.500000	
AHZ00011	JOB40736	TXGC	S0W1							A	JES2	2017-08-30-05:03:36.490000	
BPXAS										STC	STC	2017-08-30-01:01:37.590000	
DB2C										A	JES2	2017-08-30-00:00:00.760000	
DB2COB2										B	JES2	2017-08-30-00:00:01.710000	
DB2COMP										A	JES2	2017-08-30-00:00:03.010000	
DB2PL12	JOB40565	TXGC	S0W1							A	JES2	2017-08-30-00:00:00.820000	
FTPD5	STC40581	FTPD	S0W1								OMVS	2017-08-30-01:01:37.780000	
HOR05010	JOB40715	TXGC	S0W1							A	JES2	2017-08-30-04:45:00.050000	
HOR06010	JOB40750	TXGC	S0W1							A	JES2	2017-08-30-05:05:17.430000	
HOR06010	JOB40717	TXGC	S0W1							A	JES2	2017-08-30-04:55:00.300000	
HOR88000	JOB40716	TXGC	S0W1							A	JES2	2017-08-30-04:55:00.120000	
ITCJCA71	JOB40749	TXGC	S0W1									2017-08-30-05:04:59.460000	
ITCJCTM1	JOB40747	TXGC	S0W1									2017-08-30-05:04:48.710000	
ITCJSMF1	JOB40746	TXGC	S0W1							A	JES2	2017-08-30-05:04:46.800000	
ITCJSMF2	JOB40752	TXGC	S0W1							A	JES2	2017-08-30-05:05:20.280000	
ITCJSMF3	JOB40753	TXGC	S0W1							A	JES2	2017-08-30-05:05:26.430000	
ITCJSMF4	JOB40754	TXGC	S0W1							A	JES2	2017-08-30-05:05:34.270000	

SMF – Program return codes Results

XINFO PC Client - SMF - Job Information (Grouped)

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Explorer Chart

How often ...

SMF - Job Information SMF - Job Information (Grouped)

Count	RC
<all>	<all>
163	
1	CC 0001
30	CC 0004
2	CC 0008

... did you get that code?

Connected as: P392F, file: XX40T#25

Lines: 4

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 in dark grey. A large red curved shape is on the left side of the slide, and several small, semi-transparent geometric shapes (squares and circles) are scattered in the background.

HORIZONT

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info@horizont-it.com