

The background features a large red semi-circle on the left side. Scattered across the light gray background are several small geometric shapes: blue squares, a yellow triangle, and a yellow circle, some of which are connected by thin white lines.

HORIZONT

XINFO Reporting

Control-M

AGENDA

XINFO Reporting

15.07.2021

XINFO Reporting for Control-M

Collecting data

Collecting data regularly – ITC

Adapt DEFCMD

Create Chart to Display

Export/Import Charts

Create Batch Interface

Editing HTML files

General Information

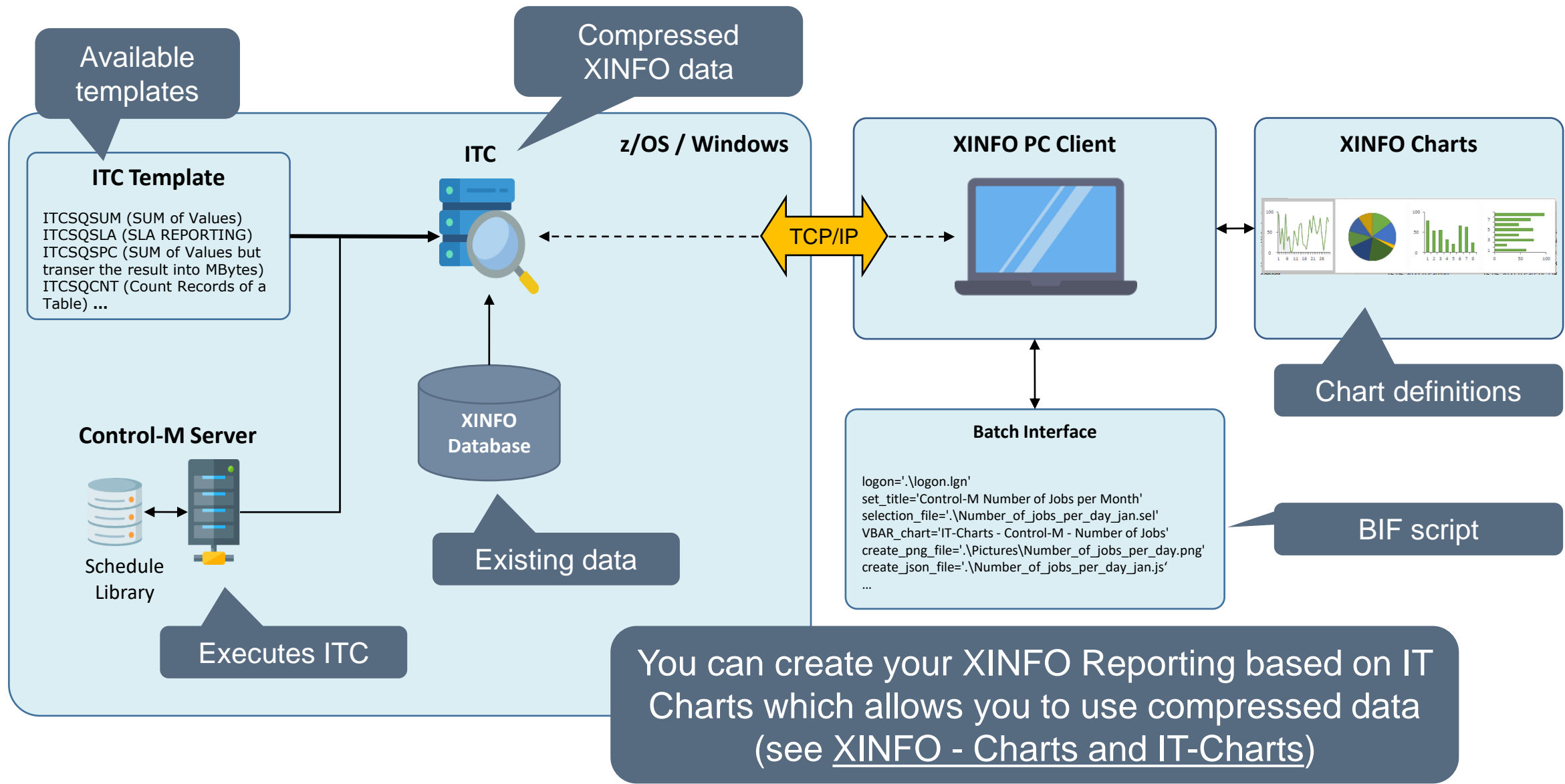
This presentation describes how to set up, create and run XINFO reporting for the Control-M workload scheduler using XINFO's Batch Interface (BIF).

Important: The client must edit the BIF and all associated files once according to his wishes and then have the BIF executed automatically. The reporting does not require any further adjustments afterwards and is filled with the daily updated data.

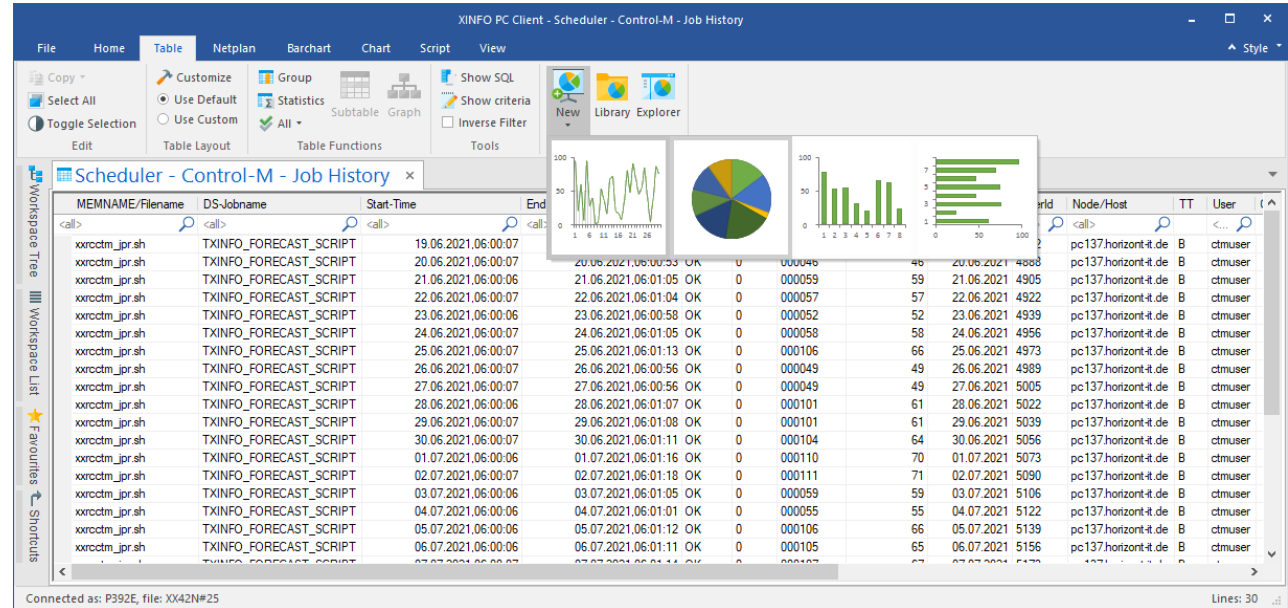
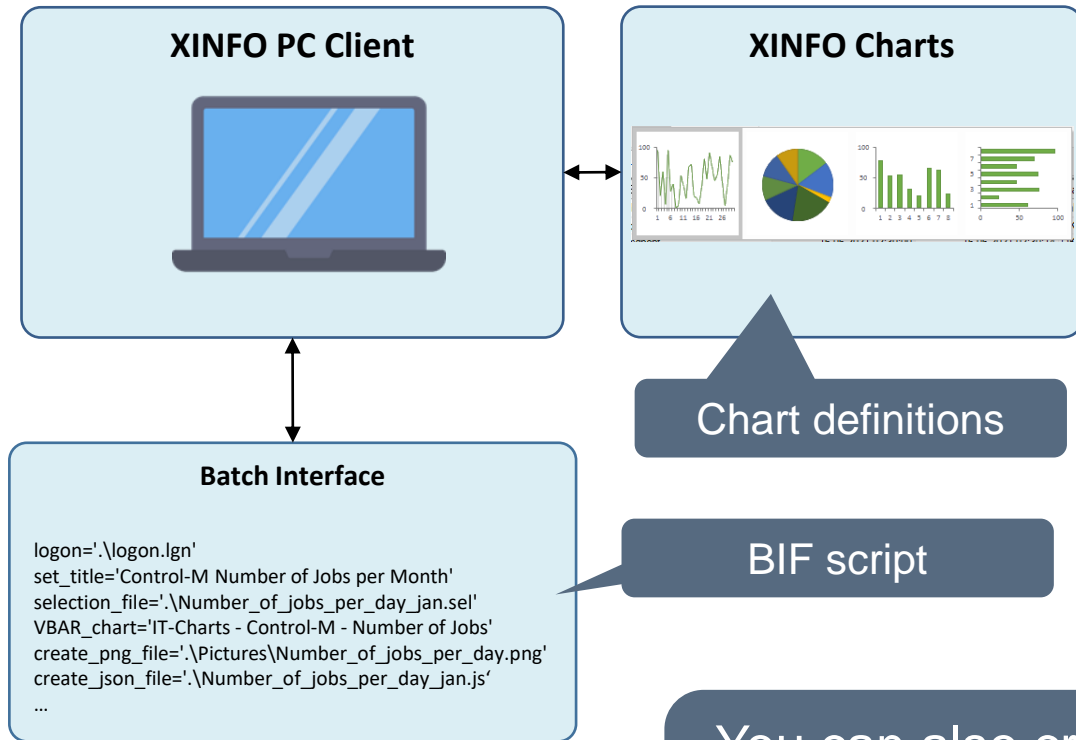
The procedure for reporting is described in the manual [xxrdrepe.pdf - XINFO 4.2 HTML Reporting Installation Guide](#)

Please read before creating your reporting, the BIF documentation [XINFO Batch Interface](#) and the Docu Generator documentation [HTML Docu Generator](#).

XINFO IT Charts (ITC) and BIF



XINFO Charts and BIF



You can also create your XINFO Reporting based on a result of a selection which can be automated. The result is used to create your chart.

XINFO Reporting: Collecting data

In the following slides we will demonstrate, how to collect your data based on IT Charts.

Therefore, you need to start your desired query and change the SQL query e.g. to get the amount of jobs running on a specific day.

This query is used as basis for your IT Chart.

We provide some templates for IT Charts which can be edited and need to be executed daily by your Workload Scheduler in order to fill the IT Chart

XINFO Reporting: Collecting data

FileHomeTableN

LogonLogoffSQL

ConnectOptions

Workspace Tree

CA-Scheduler

CA7

Control-M

Job Definitions

Scheduling

Resources

IN-/OUT-Conditions

ON PGMST / Steps

SET Variables

SHOUT

Capture

Job Script/JCL

IOALOG

Job History

Average Job Duration

Forecast

Job Netplan

Table Netplan

Job Runtime Barchart

Works...Works...Favour...

Connected as: P392E, file: XX42N#25

Scheduler - Control-M - Job History

MEMNAME/Filename

=

Jobname (d)

=

Job Start Time

>=

12.6.2021,00:00:00

DD.MM.YYYY,HH:MM:SS

Job End Time

<=

12.6.2021,23:59:59

DD.MM.YYYY,HH:MM:SS

Status

=

Error Code

=

Elapsed

=

HHMMSS

Elapsed (Sec.)

=

Order Date

=

DD.MM.YYYY

Orderld

=

Node/Host

=

Tasktype

=

User

=

Application

=

Group/Sub Appl.

=

Table/Folder

=

Jobname (z)

=

Control-M System

=

CTM_PW1

Start your desired selection e.g. with Display 'Control-M - Job History' and search for all jobs running on a specific day

OK

Actions

Cancel

XINFO Reporting: Collecting data

File

Home

Table

Netplan

Barchart

Chart

Script

View

Copy

Select All

Toggle Selection

Customize

Group

Statistics

Subtable

Graph

Show SQL

Show criteria

Inverse Filter

New

Libra

Click on "Show SQL" to see ...

Scheduler - Control-M - Job History

MEMNAME/Filename	DS-Jobname	Start-Time	End-Time	Status	Code	Control-M	HHMMSS	Elapsed-Sec	Order-Date	OrderId	Node/Host	TT	User	CTM-JobNo
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
	CheckConfigAgent	12.06.2021,00:00:05	12.06.2021,00:00:29	OK	0	CTM_PW1	000024	24	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,00:30:00	12.06.2021,00:30:11	OK	0	CTM_PW1	000011	11	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,01:00:00	12.06.2021,01:00:07	OK	0	CTM_PW1	000007	7	11.06.2021	5273	pc138	C	emuser	15101
	export_db	12.06.2021,01:00:00	12.06.2021,01:00:25	OK	0	CTM_PW1	000025	25	11.06.2021	5258	pc138	C	emuser	14752
	CheckConfigAgent	12.06.2021,01:30:02	12.06.2021,01:30:21	OK	0	CTM_PW1	000019	19	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,02:00:00	12.06.2021,02:00:13	OK	0	CTM_PW1	000013	13	11.06.2021	5273	pc138	C	emuser	15101
	ctmdbopt	12.06.2021,02:30:00	12.06.2021,02:30:20	OK	0	CTM_PW1	000020	20	11.06.2021	5267	pc138	C	emuser	15031
	CheckConfigAgent	12.06.2021,02:30:00	12.06.2021,02:30:21	OK	0	CTM_PW1	000021	21	11.06.2021	5273	pc138	C	emuser	15101
	ctmdbused	12.06.2021,02:45:01	12.06.2021,02:45:17	OK	0	CTM_PW1	000016	16	11.06.2021	5268	pc138	C	emuser	15032
	CheckConfigAgent	12.06.2021,03:00:03	12.06.2021,03:00:19	OK	0	CTM_PW1	000016	16	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,03:30:00	12.06.2021,03:30:14	OK	0	CTM_PW1	000014	14	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,04:00:04	12.06.2021,04:00:18	OK	0	CTM_PW1	000014	14	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,04:30:00	12.06.2021,04:30:15	OK	0	CTM_PW1	000015	15	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,05:00:05	12.06.2021,05:00:19	OK	0	CTM_PW1	000014	14	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,05:30:00	12.06.2021,05:30:11	OK	0	CTM_PW1	000011	11	11.06.2021	5273	pc138	C	emuser	15101
	CheckConfigAgent	12.06.2021,06:00:36	12.06.2021,06:00:58	OK	0	CTM_PW1	000022	22	12.06.2021	5288	pc138	C	emuser	15101
	ctmldnrs	12.06.2021,06:25:02	12.06.2021,06:25:09	OK	0	CTM_PW1	000007	7	12.06.2021	5285	pc138	C	emuser	15038
	ctmdbopt	12.06.2021,06:30:00	12.06.2021,06:30:09	OK	0	CTM_PW1	000009	9	12.06.2021	5282	pc138	C	emuser	15031

Connected as: P392E, file: XX42N#25

The result

Lines: 72

XINFO Reporting: Collecting data

SQL Console

```
SELECT
  "CX4MEMNAME", "CX4JOBNAME", "CX4START", "CX4END", "CX4STAT", "CX4ERRC", "CX4ELHHMMSS", "CX4ELAPSED",
  "CX4ODATE", "CX4ORDERID", "CX4NODEID", "CX4TASKTYPE", "CX4USER", "CX4JOBNO", "CX4APPL", "CX4GROUP",
  "CX4TAB", "CX4JOBID", "CX4ZJOBNAME", "CX4CTM"
FROM
  XXR42."XXRTCX4"
WHERE
  ("CX4START" >= '2021-06-12-00.00.00.000000') AND ("CX4END" <= '2021-06-12-23.59.59.999999') AND ("CX4CTM" = 'CTM_PW1')
FOR FETCH ONLY FETCH FIRST 500 ROWS ONLY
```

OK Load Save Save As Cancel

Job Start and End Time

... the plain SQL query

All columns used in Display 'Job History'

Control-M Server

XINFO Reporting: Collecting data

FileHomeTableNet

CopySelect AllToggle SelectionEditCustomizeUse DefaultUse CustomTable Layout

Scheduler - Control

COL-1<all>72

Amount of data

XINFO PC Client - Dynamic SQL

SQL Console

```
SELECT count(*)
FROM
  XXR42."XXRTCX4"
WHERE
  ("CX4START" >= '2021-06-12-00.00.00.000000') AND ("CX4END" <= '2021-06-12-23.59.59.999999') AND ("CX4CTM" = 'CTM_PW1')]
```

Change the selection to get the amount of all records

OKLoadSaveSave AsCancel

Connected as: P392E, file: XX42N#25

Lines: 1

XINFO Reporting: Collecting data regularly – IT Charts

- SYSH.XINFO.V4R2.SAMPLIB
 - ITCSQSUM (SUM of Values)
 - ITCSQSLA (SLA REPORTING)
 - ITCSQSPC (SUM of Values but transfer the result into MBytes)
 - ITCSQCNT (Count Records of a Table)
 - ITCCNTD (Count Distinct Records of a Table)

Depending on your needs, you can use and edit different templates as a basis

List of ITC templates provided

XINFO Reporting: Collecting data regularly - ITC

Example with Job History relates to table XXRTCX4

```
//S005 EXEC ITCJ2TSO,MODEL=ITCSQCLE
//PARAM DD *
%%$ODATE. HORIZONT PROD INFO ITCCTMHIST
/*
//S010 EXEC ITCJ2TSO,MODEL=ITCSQCNT
//PARAM DD *
%%$ODATE. HORIZONT PROD INFO ITCCTMHIST 1 XXRTCX4
WHERE (CX4CTM = UPPER('CTM_PW1'))
AND (CX4END BETWEEN '$SQLTSDAY.-00.00.00.000000'
AND '$SQLTSDAY.-23.59.59.999999')
```

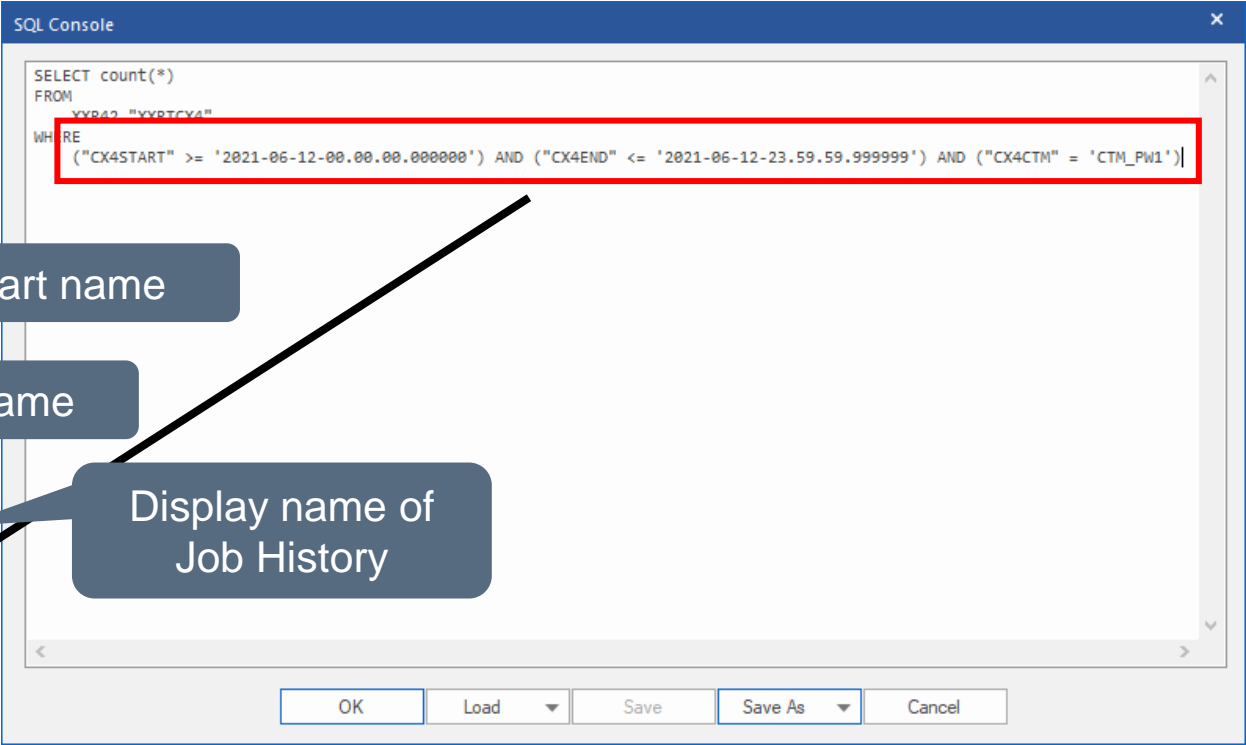
Template name

IT Chart name

Template name

Display name of Job History

Column name



XINFO Reporting: Collecting data regularly - ITC

```

EDIT SYSH.CONTRDLM.JCL(ITCCTM) - 01.01 Columns 00001 00080
Command ==> Scroll ==> CSR
***** Top of Data *****
000001 //ITCCTM JOB (ACCOUNT), 'HORIZONT',MSGCLASS=T,CLASS=A,
000002 // NOTIFY=&SYSUID
000003 //*
000004 //* EDIT BY NICOLAS
000005 //*
000006 //*
000007 //LIBS JCLLIB ORDER=(SYSH.XINFO.V4R2.PROCLIB)
000008 //* HORIZONT (ORIGINAL) JOB NAME: ITCJCTM
000009 //JOB LIB DD DSN=SYSH.XINFO.V4R2.LOAD,
000010 // DISP=SHR
000011 // DD DSN=SYSH.SHARED.LOAD,
000012 // DISP=SHR
000013 //*
000014 //*****
000015 //* USING CTM VARIABLES
000016 //*
000017 //* %%TDAY=%%CALCDATE %%$ODATE -1
000018 //*****
000019 //*
000020 //*****
000021 //* GENERATE ITC INSERT SQL AND CALL IT
000022 //* 1.SAMPLE : COUNT CTM JOB-DEFINITIONS
000023 //* 2.SAMPLE : COUNT CTM TABLE-DEFINITIONS
000024 //* 3.SAMPLE : ENDTIME OF JOB AS SLA INFORMATION
000025 //*****
000026 //S005 EXEC ITCJ2TSO,MODEL=ITCSQCLE
000027 //PARAM DD *
000028 %%TDAY. HORIZONT PROD INFO ITCCTMHIST
000029 //*
000030 //S010 EXEC ITCJ2TSO,MODEL=ITCSQCNT
000031 //PARAM DD *
000032 %%TDAY. HORIZONT PROD INFO ITCCTMHIST 1 XXRTCX4
000033 WHERE (CX4CTM = UPPER('CTM_PW1'))
000034 AND (CX4END BETWEEN '$SQLTSDAY.-00.00.00.000000'
000035 AND '$SQLTSDAY.-24.00.00.000000')
000036 //*
000037 //* ! ! ! ! ! TABLE FOR COUNT
000038 //* ! ! ! ! ! ITCURVE
000039 //* ! ! ! ! ! ITCGRAPHTYPE (=DISPLAY NAME)
000040 //* ! ! ! ! ! XXRDATINFO ([BLANK] = NO VALUE)
000041 //* ! ! ! ! ! XXRDATENV ([BLANK] = NO VALUE)
000042 //* ! ! ! ! ! XXRDATCLIENT ([BLANK] = NO VALUE)
000043 //* ! ! ! ! !
000044 //* ! ! ! ! !
000045 //* ! ! ! ! !
000046 //* ! ! ! ! !
000047 //* ! ! ! ! !
000048 //* ! ! ! ! !
000049 //* ! ! ! ! !
000050 //* ! ! ! ! !
000051 //* ! ! ! ! !

```

Use variables to automate your query

Please do not forget to
schedule the job daily!

XINFO Reporting: Adapt DEFCMD – XINFO z/OS Server

----- XINFO Administrator Panel

Command ==> 2_

1 - XINFO Dialog

2 - Display Generator

3 - Table Manager

4 - Backup Definitions to TXTDEF

5 - Restore Definitions from TXTDEF

6 - EDIT 'SYSH.XINFO.V4R2.DEFCMD.P392E'

7 - Check : Use of Columns in Table and Selection Panels

8 - Check : Compare Labels of Table Columns and Selection Panel

9 - Check : Table Columns Which are not Used in any Display

10 - List : All Line Commands in Sorted Order

11 - List : All Line Commands/Displays

12 - List : Structure of Used DB2 Tables

13 - Export: Export displays to other XINFO Dialog

USERID - P392E

Date - 14.06.21

Time - 13:10

DB2 - DBCG

PLAN - XXRDLG42

DB2AUTH - XXR42

Select Display Generator

To add your newly created IT Charts to XINFO, your Admin needs to adapt the DEFCMD

Datasets

GLBDEF : 'SYSH.XINFO.V4R2.DE

TABDEF : 'SYSH.XINFO.V4R2.DE

TXTDEF : 'SYSH.XINFO.V4R2.DE

----- Display Generator (Start Panel) ----- ROW 442 TO 485 OF 485

Command ==>

SCROLL ==> CSR

Top : Arrange Create Reload SAVE Generate

Bottom: C Copy D Delete M Modify S Select T Test

Display Name	Label
. DSPLTITCL	IT-Charts - Admin: Display all data records
. ITCCA7JOBS	IT-Charts - CA7 - Number of Jobs
. ITCCA7SLA	IT-Charts - CA7 - SLA
. ITCCTMTABS	IT-Charts - Control-M - Number of Tables
. ITCCTMJOBS	IT-Charts - Control-M - Number of Jobs
C ITCCTMHIST	IT-Charts - Control-M - Job History
. ITCCTMSLA	IT-Charts - Control-M - SLA
. ITCJCLEXEC	IT-Charts - JCL - Number of EXEC
. ITCTWSZAPP	IT-Charts - IWS z/OS - Number of Applications
. ITCTWSCNTA	IT-Charts - IWS z/OS - Number of E/C JOBS and Appl perDay
. ITCTWSZOPR	IT-Charts - IWS z/OS - Number of Operations
. ITCTWSZSLA	IT-Charts - IWS z/OS - SLA
. ITCSMFJHOUR	IT-Charts - SMF - Jobstarts per Hour
. ITCSMFJDAY	IT-Charts - SMF - Jobs
. ITCSMFAEND	IT-Charts - SMF - Error-Jobs
. ITCSMFSLACJ1	IT-Charts - SMF - SLA
. ITCSPCZOS01	IT-Charts - SPACE - z/OS
. ITCUC4JOBP	IT-Charts - Automic - Number of Workflows
. ITCUC4JOBS	IT-Charts - Automic - Number of Jobs
. ITCUC4SLA	IT-Charts - Automic - SLA

And copy an existing one

XINFO Reporting: Adapt DEFCMD – XINFO z/OS Server

Display name must be named like your IT Chart

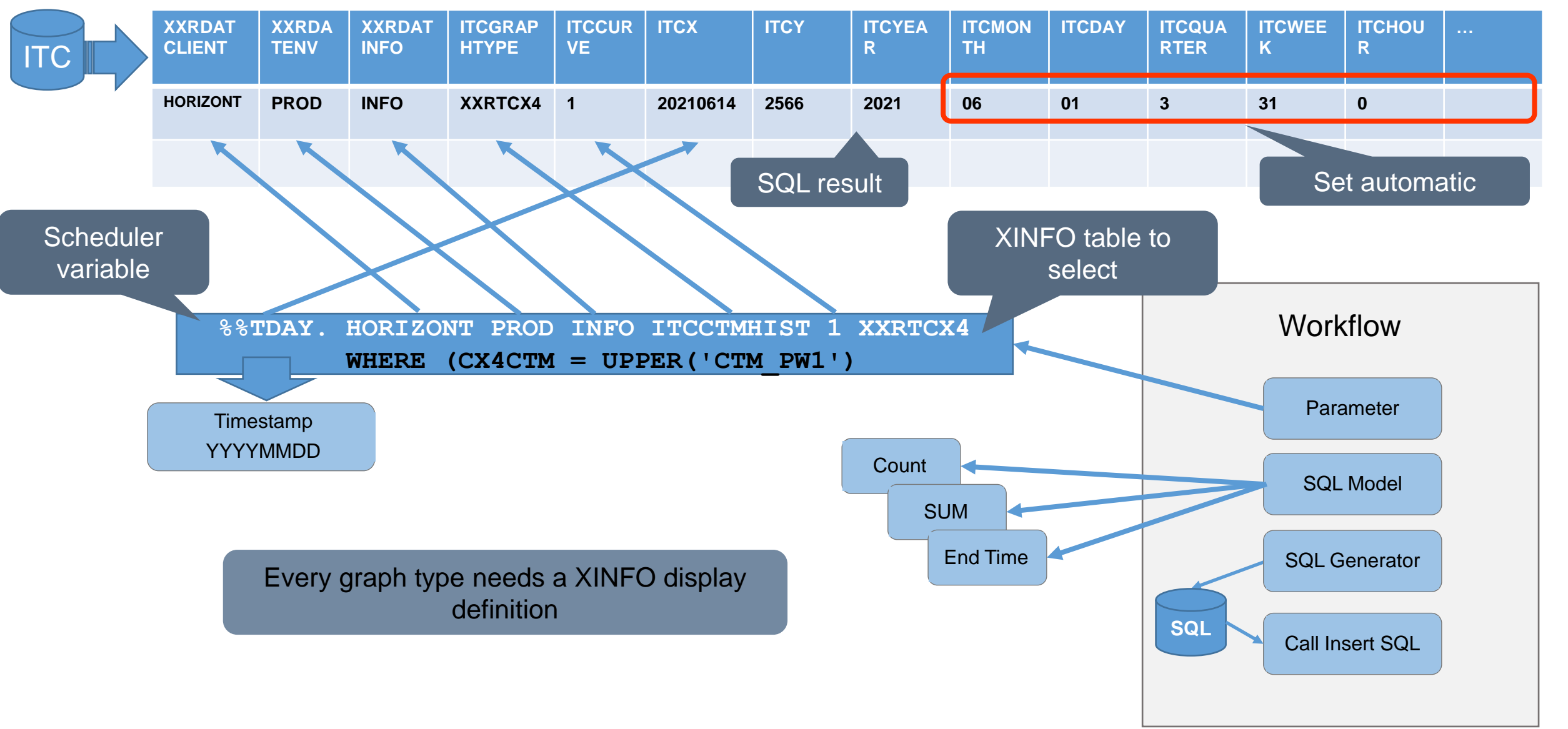
```
000025 //*****
000026 //*
000027 //S005 EXEC ITCJ2TS0,MODEL=ITCSQCLE
000028 //PARAM DD *
000029 %%TDAY. HORIZONTAL PROD INFO ITCCTMHIST
000030 //*
000031 //S010 EXEC ITCJ2TS0,MODEL=ITCSQCNT
000032 //PARAM DD *
000033 %%TDAY. HORIZONTAL PROD INFO ITCCTMHIST 1 XXRTCX4
000034 WHERE (CY4CTM = UPPER('CTM-PH1'))
```

```
----- Copy A Display
Command ==> _

Display Name      ==> ITCCTMHIST
Description       ==> IT-Charts - Control-M - Job History
-----
Show in Start Panel ==> Y (Y/N)
Select Distinct   ==> N (Y/N)

Enter a new Display Name and -if wanted- a new Description.
Press END (PF03) to abort copying.
```

Statistic data for IT Charts



XINFO Reporting: Create Chart to Display

File Home **Table** Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Subtable Table Functions

Workspace Tree

- Output
- Programs
- Source
- XINFO
- Universal
- IT-Charts**
 - Admin: Display all data records
 - CA7
 - Control-M
 - Number of Tables
 - Number of Jobs
 - Job History**
 - SLA
 - JCL
 - IWS z/OS
 - SMF
 - SPACE
 - Automic
 - IWP

Works... Works... Favour... Shortc...

Connected as: P392E, file: XX42N#25

After the new ITC Display is available, you can start your selection and create a chart

IT-Charts - Control-M - Job History

Client	=	
Environment	=	PROD
DatAddInfo	=	
Curve	=	
X	=	
Year	=	2021
Month	=	06
Day	=	
Quarter	=	
Week	=	

OK Actions Cancel

Start your selection

XINFO Reporting: Create Chart to Display

XINFO PC Client - IT-Charts - Control-M - Job History

File Home **Table** Netplan Barchart Chart Script View

Copy Select All Toggle Selection

Customize Use Default Use Custom

Group Statistics Subtable Graph

Show SQL Show criteria Inverse Filter

New Library Explorer

The result

IT-Charts - Control-M - Job History

Client	Environment	DatAddInfo	Graphic-Type	Curve	X	Y	Year	Month	Day	Quarter	Week	Hour	Minute	Second	Fillup
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210601	74	2021	6	1	2	22	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210602	74	2021	6	2	2	22	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210603	74	2021	6	3	2	22	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210604	74	2021	6	4	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210605	73	2021	6	5	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210606	73	2021	6	6	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210607	74	2021	6	7	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210608	74	2021	6	8	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210609	74	2021	6	9	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210610	74	2021	6	10	2	23	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210611	74	2021	6	11	2	24	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210612	74	2021	6	12	2	24	0	0	0	N
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210613	72	2021	6	13	2	24	0	0	0	N

Date your ITC was executed

Amount of jobs

Connected as: P392E, file: XX42N#25

Lines: 13

XINFO Reporting: Create Chart to Display

FileHomeTableNetplanBarchartChartScriptView

CopySelect AllToggle SelectionEdit

CustomizeUse DefaultUse CustomTable Layout

GroupStatisticsSubtableGraphAllTable Functions

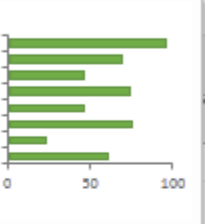
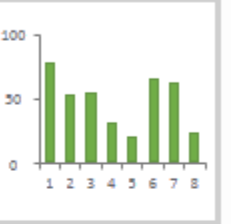

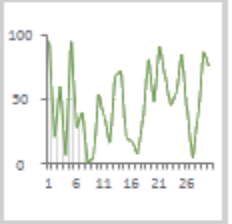
Show SQLShow criteriaInverse FilterTools

NewLibrary Explorer

IT-Charts - Control-M - Job History

Client	Environment	Data Info	Graphic Type	X	Y	Year
HORIZONT	PROD	IN		601	74	2021
HORIZONT	PROD	IN		602	74	2021
HORIZONT	PROD	IN		603	74	2021
HORIZONT	PROD	IN		604	74	2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210605	73 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210606	73 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210607	74 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210608	74 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210609	74 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210610	74 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210611	74 2021
HORIZONT	PROD	INFO	ITCCTMHIST	1	20210612	74 2021

You can create charts based on your ITC data



Note: You don't need to have IT Charts to use charts. They can be created with every result of an selection.

Connected as: P392E, file: XX42N#25

Lines: 12

XINFO Reporting: Create Chart to Display

X and Y values are stored in the result of the IT Chart

IT-Charts - Control-M - Job History							
Client	Environment	DatAddInfo	Graphic-Type	Curve	X	Y	Year
<all>	<all>	<all>	<all>	<...>	<all>	<...>	<...>
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210601	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210602	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210603	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210604	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210605	73	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210606	73	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210607	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210608	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210609	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210610	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210611	74	2021
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210612	74	2021

Data definition

Select data fields

Bar size

☒ Sum of field values

y

☐ Number of records

Bar bundles

Field

x

Format

YYYYMMDD

Assignment

Automatic

Series

☒ Single series (one bar in each bundle)

☐ More series (more bars in each bundle) defined by

Next

Cancel

Series can be used to show more than one bar, e.g. two Environments instead of only PROD

XINFO Reporting: Create Chart to Display

Single series definition

Define series

Properties

Color

Automatic

Description

Total

Description will be used in the graphic as the name

Back

Next

Cancel

XINFO Reporting: Create Chart to Display

Options

Set additional options

Options

Legend position

Right-Top

Bundle style

Cluster

☐ 3D style

☒ Show labels

☐ Show the summary bar for bundles which can't be displayed

Description

X-Axis

Date

Y-Axis

Amount

Title

IT-Charts - Control-M - Job History

Save to library as

Name

IT-Charts - Control-M - Job History PROD

Back

Finish

Cancel

Set a name for the data which will be shown

Saving the charts allows you to edit them at any time

XINFO Reporting: Create Chart to Display

FileHomeTableNetplanBarchartChartScriptView

CopySelect AllToggle SelectionEdit

CustomizeUse DefaultUse CustomTable Layout

GroupStatisticsAllTable Functions

Show SQLShow criteriaInverse FilterTools

NewLibraryChartLibrary Explorer

IT-Charts - Control-M - Job History

Client	Environment	DatAddInfo	Graphic-Type
<all>	<all>	<all>	<all>
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST
HORIZONT	PROD	INFO	ITCCTMHIST

The chart library

Name	Type
IT-Charts - Control-M - Job History	Line
IT-Charts - Control-M - Job History	Vertical bar

OKEditDeleteImportExportCancel

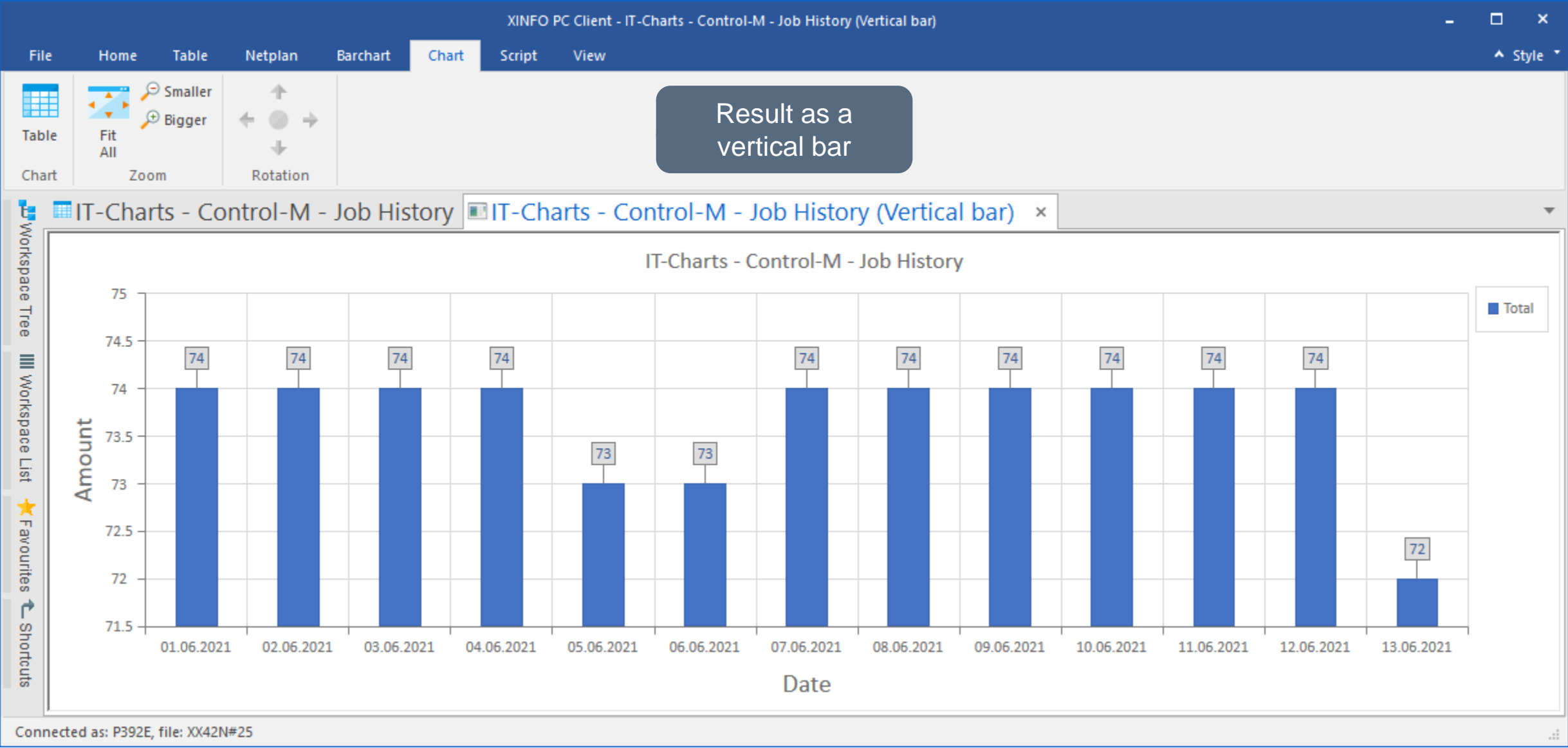
Edit your stored charts to this IT-Charts in your Library

Workspace TreeWorkspace ListFavouritesShortcuts

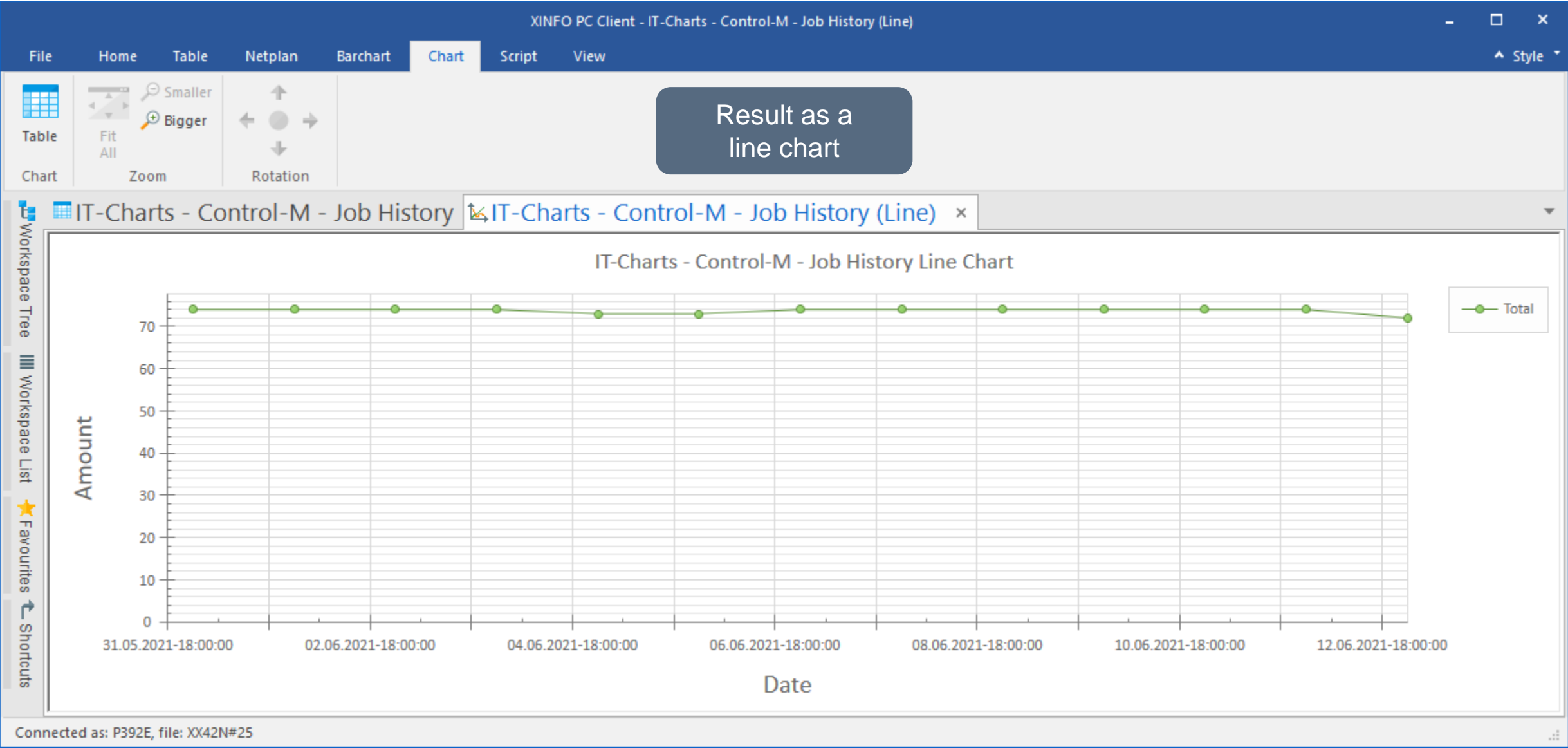
Connected as: P392E, file: XX42N#25

Lines: 13

XINFO Reporting: Create Chart to Display



XINFO Reporting: Create Chart to Display



XINFO Reporting: Export/Import Chart Definition

File

Home

Table

Netplan

Barchart

Chart

Script

View

Copy

Select All

Toggle Selection

Customize

Use Default

Use Custom

Group

Statistics

All

Subtable

Graph

Show SQL

Show criteria

Inverse Filter

New

Library

Explorer

IT-Charts - Control-M - Job History

Client	Environment	DatAddInfo	Graphic-Type	Curve	X	Y	Month	Day	Quarter	
HORIZONTAL	PROD	INFO	ITCC				1	2		
HORIZONTAL	PROD	INFO	ITCC				2	2		
HORIZONTAL	PROD	INFO	ITCC				3	2		
HORIZONTAL	PROD	INFO	ITCC				4	2		
HORIZONTAL	PROD	INFO	ITCC				5	2		
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210606	73	2021	6	6	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210607	74	2021	6	7	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210608	74	2021	6	8	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210609	74	2021	6	9	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210610	74	2021	6	10	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210611	74	2021	6	11	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210612	74	2021	6	12	2
HORIZONTAL	PROD	INFO	ITCCTMHIST	1	20210613	72	2021	6	13	2

Workspace Tree

Workspace List

Favourites

Shortcuts

Connected as: P392E, file: XX42N#25

Lines: 13

Chart explorer

All charts

Line chart

IT-Charts - Control-M - Job History

Pie chart

Scheduler - Control-M - Job History

Scheduler - Control-M - Job Definitions

Vertical bar chart

IT-Charts - Control-M - Job History

IT-Charts - Control-M - Number of Jobs

IT-Charts - Control-M - Number of Tables

IT-Charts - Automic - Number of Jobs

Horizontal bar chart

Delete

Import

Export

Close

You can import and export your created charts e.g. for other user

Select a chart and click on import or export it

XINFO Reporting: Create Batch Interface (BIF)

To automate the creation of the charts you can use the Batch Interface:

With XINFO's BIF every query done with XINFO PC Client can be automated and executed by your scheduling system.

All necessary instructions are coded in an own script language.

All necessary components can be created with the PC Client itself.

The creation of a BIF is described in the document [XINFO Batch Interface](#).

Important: The User must edit the BIF and all associated files only once according to his wishes.

All variables needed could be handed over to the process from outside. This way a periodic execution is possible without any changes.

XINFO Reporting: BIF Example

The screenshot displays the XINFO PC Client interface for the file 'job_history.bif'. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for editing and execution. The main workspace shows a script with five lines of code. A callout box highlights this script as an example for automating reporting. Below the script, the 'Output' pane shows the execution results, including messages about document creation, chart setting, file creation, and successful data writing.

Script Content:

```
1 logon='.\Bif_Samples\logon.lgn'  
2 selection_file='.\Bif_Samples\job_history_per_day.sel'  
3 VBAR_chart='IT-Charts - Control-M - Job History'  
4 create_png_file='.\monthly_report\Pictures\job_history_per_day.png'  
5 create_json_file='.\Bif_Samples\Outbif\job_history_per_day.js'
```

Output Log:

```
2021-06-15 13:39:32 S message (line 002): document created (IT-Charts - Control-M - Job History), records: 13  
2021-06-15 13:39:32 S message (line 003): vbar chart set: IT-Charts - Control-M - Job History  
2021-06-15 13:39:33 S message (line 004): graphic file has been created successfully  
2021-06-15 13:39:33 S message (line 005): CSV data have been written successfully  
2021-06-15 13:39:33 S script finished, result: TRUE
```

Example of a short Batch Interface script to automate your reporting

XINFO Reporting: HTML

- Copy the file “\XINFO\Database\ITC\XINFO templates Vxxx.zip into a new directory e.g c:\XINFO_REPORTING
- Unpack the zip file into the new directory
- The zip file should contain the following directories:
 - COVER -> Template for the Cover Page
 - Pictures -> Empty Dir where the png files should be saved
 - src -> Source Files needed by the HTML Files
 - Template 1 - 10 -> Contain the HTML Templates, Settings.js and Data.js

XINFO Reporting: Notes

- If another PC Client or different Windows User (e.g tech User) is used for executing the BIF please export and import the chart definition to this user.
- If you will forget this, the BIF execution will fail, because of missing Chart Definitions.

XINFO Extensions

- Batch Interface can be used independently from XINFO Reporting to automate specific requests
- Web Browser Interface via Control-M Automation API

;für CTM GUI

[web_link_in_cmd]

DSPLTCX4.2.NAME = "Open in CTM Archive"

DSPLTCX4.2.LINK_BASE = "https://XXX.XXX.XXX.XXX:8443/automation-api/archive/search?limit=500&jobid=* &status=All&"

DSPLTU4R.2.LINK_PARM.systemname = "System"

DSPLTCX4.2.LINK_PARM.jobname = "DS-Jobname"

DSPLTCX4.2.LINK_PARM.server = "Control-M"

DSPLTCX4.2.LINK_PARM.startdate = TIME("Start-Time", "DD.MM.YYYY")

DSPLTCX4.2.LINK_PARM.starttime = TIME("Start-Time", "HH:II")

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' is displayed in a large, sans-serif font. The letter 'H' is dark grey, while the 'O' is a vibrant red. The remaining letters 'RIZONT' are dark grey. To the left of the 'H', there is a large red curved shape. Below the 'H', there is a small yellow triangle. Above the 'O', there is a small blue square. Below the 'O', there is a larger, faint blue square. To the right of the 'O', there is a small yellow circle. The background is light grey with a subtle gradient and some faint geometric shapes.

HORIZONT

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