



# HORIZONT

## XINFO Batch Interface

Automate PC Client request

# AGENDA

## XINFO Batch Interface (BIF)

Introduction

Technical overview

Creating Logon file

Creating Selection file

Creating BIF script

Check and run BIF script

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# Introduction

This presentation describes how to create and run XINFO Batch Interface (BIF).

With this Interface every query done with XINFO PC Client is possible to automate and execute by your scheduling system.

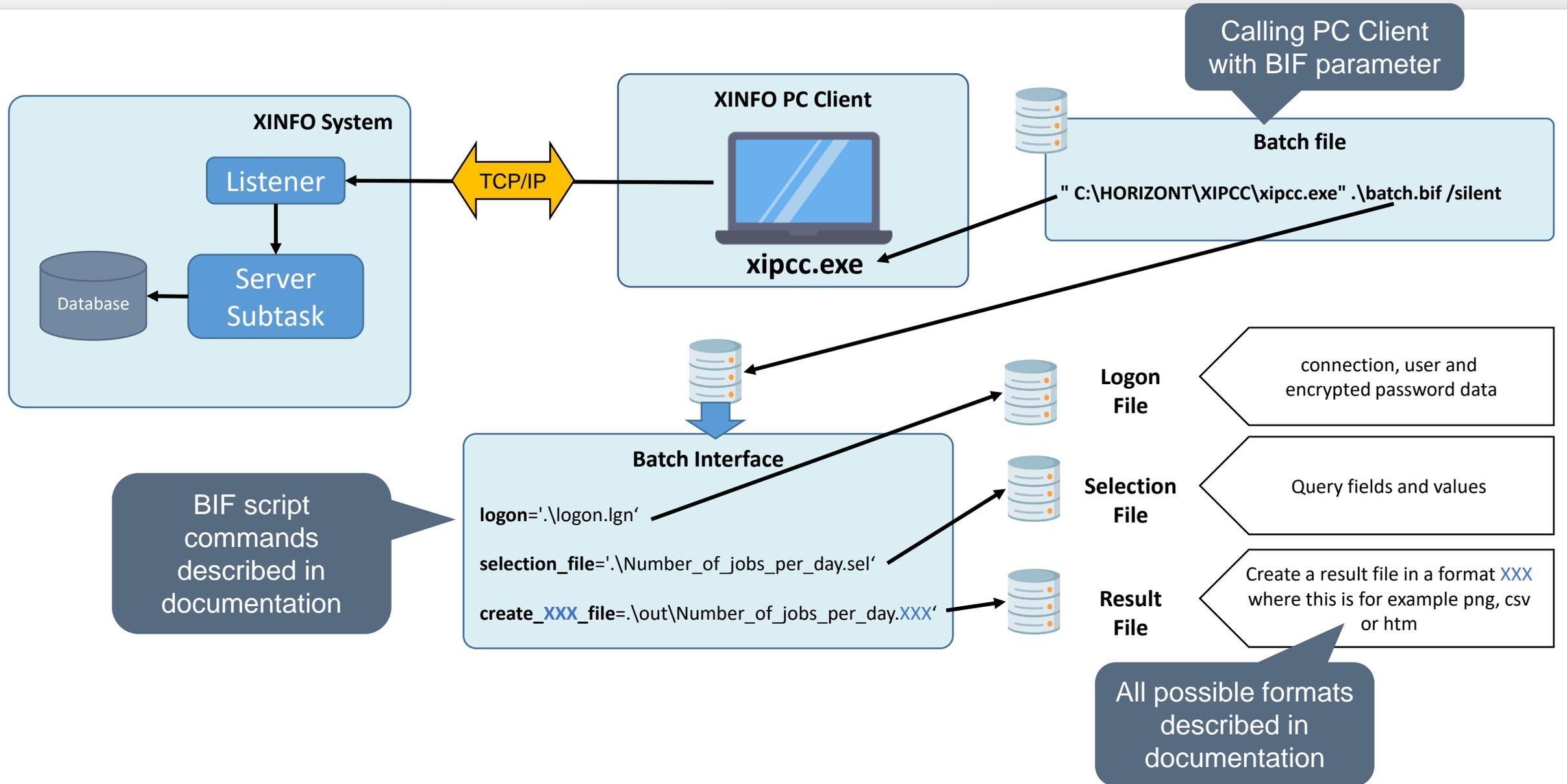
All necessary instructions are coded in an own script language.

Further help for the BIF is described in the XINFO PC Client Manual (click PF1).

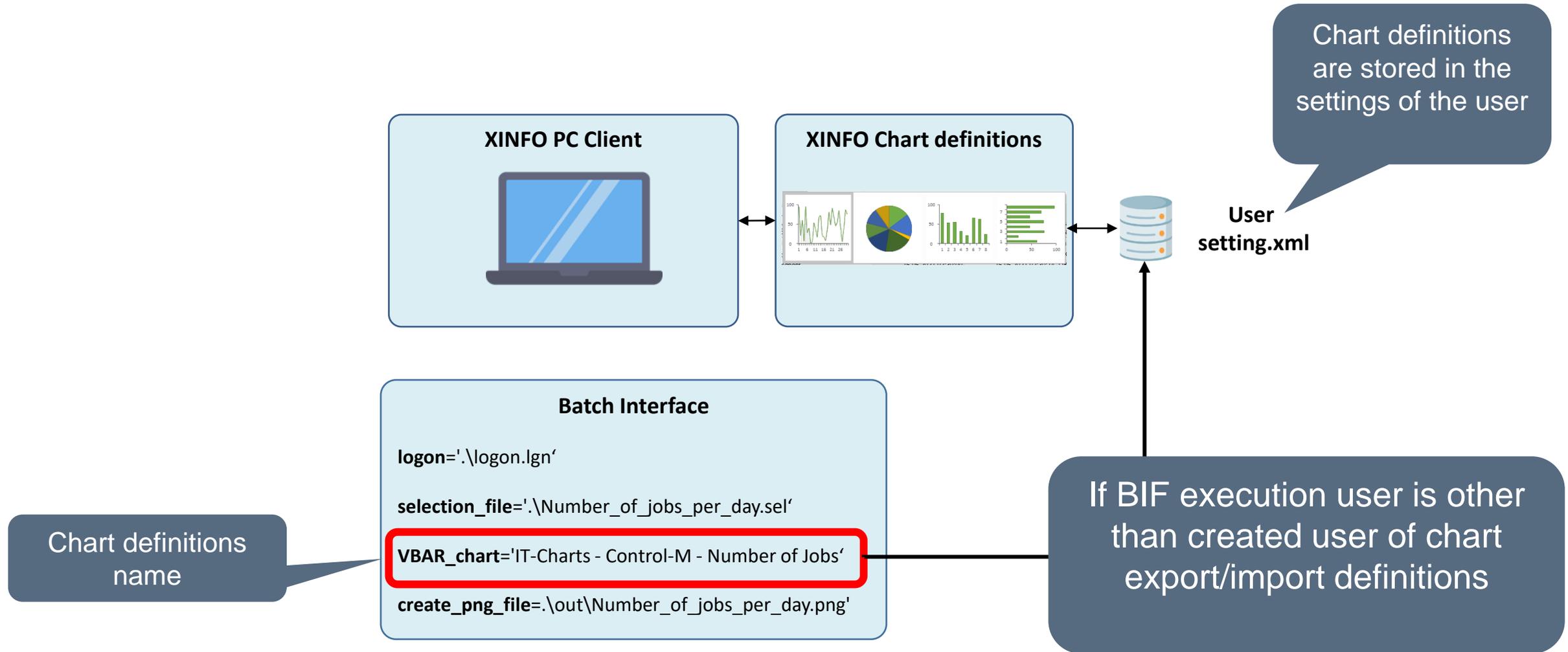
All necessary components can be created with the PC Client itself.

**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.

# Technical overview how BIF works general



# Technical overview how BIF works with charts



# Create Logon file for BIF

The screenshot displays the XINFO PC Client application window. The main interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with icons for Logon, Logoff, SQL, Options, Help, About, Home, and Note. A tree view on the left lists various data sources like Scheduler, Distributed, JCL, DB2, CICS, IMS, SMF, Space, PO, Output, Programs, Source, XINFO, Universal, T-Charts, and IWP. A 'Logon' dialog box is open in the foreground, containing fields for Configuration file (XX42N#25), User Id (P392E), and Password (masked with dots). A 'Change password' checkbox is also present. The 'Create LGN' button is highlighted with a red box. A callout bubble points to the 'Logon' button in the main interface, and another callout bubble points to the 'Create LGN' button in the dialog box.

Logon

Configuration file: XX42N#25  
User Id: P392E  
Password: .....  
 Change password

OK Create LGN Cancel

Create a LOGON.LGN file with your connection, user and password information

Connected as: P392E, file: XX42N#25

# Create Logon file

The screenshot shows a Windows File Explorer window titled "Create logon file". The address bar indicates the current location is "Dieser PC > Lokaler Datenträger (C:) > temp > XINFO > Bif\_Samples". The left sidebar shows navigation options like "Schnellzugriff", "OneDrive", "Dieser PC", and "Netzwerk". The main pane displays a list of folders and files:

Name	Änderungsdatum	Typ	Größe
Automic_Bif	26.08.2019 11:48	Dateiordner	
CA7_Bif	26.08.2019 11:48	Dateiordner	
demo_presales	26.08.2019 11:48	Dateiordner	
jens	26.08.2019 11:48	Dateiordner	
Outbif	08.06.2021 14:32	Dateiordner	
TWS	26.08.2019 11:48	Dateiordner	
logon.lgn	08.06.2021 13:35	LGN-Datei	1 KB

The "logon.lgn" file is selected. At the bottom, the "Dateiname:" field contains "logon.lgn" (highlighted with a red box) and the "Dateityp:" dropdown is set to "LGN - Logon file (\*.lgn)". A blue callout bubble with the text "...and save the .lgn file" points to the "Speichern" button. The "Abbrechen" button is also visible.



# Create Selection file

IT-Charts - Control-M - Job History

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

OK Actions Cancel

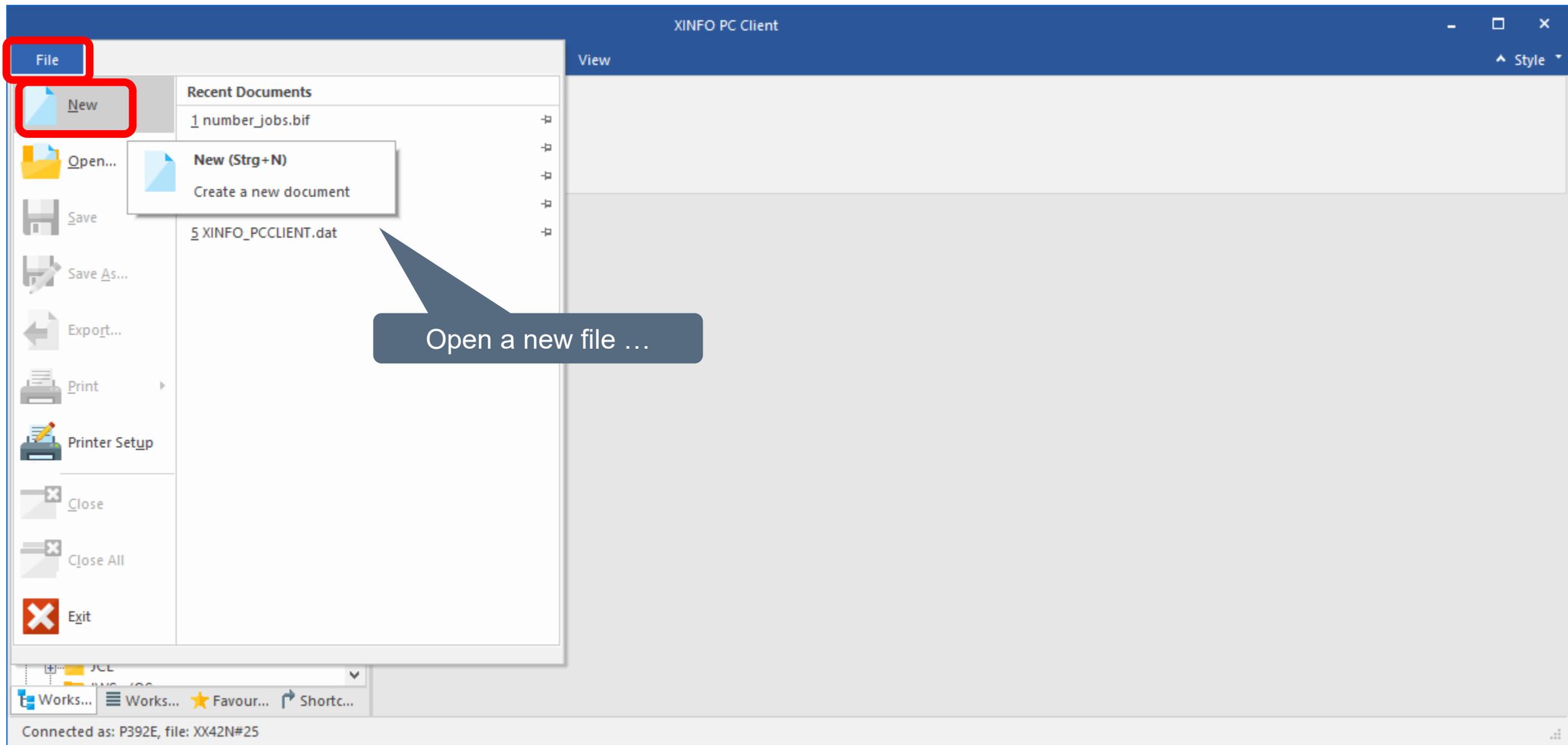
Selection is stored in this format

```
ITCHARTSCONTROLMJOBHISTORY  
ITCHARTSCONTROLMJOBHISTORY_ENVIRONMENT=EQ PROD  
ITCHARTSCONTROLMJOBHISTORY_YEAR=EQ 2021  
ITCHARTSCONTROLMJOBHISTORY_MONTH=EQ 06
```

Create SELECTION FILE

- Reset
- Show SQL
- Load Filter...
- Save Filter
- Save Filter As...
- Create shortcut...
- Create selection file...

# Create BIF



# Create BIF

The screenshot shows the XINFO PC Client - Script2 application window. The title bar reads "XINFO PC Client - Script2 \*". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains several groups: Clipboard (Paste, Cut, Copy, Select All), Editing (Undo, Redo, Find, Replace, Unmark), Variable Set (a dropdown menu showing "<Not selected>"), and Run (Check, Run). The main workspace contains a script editor with the following code:

```
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'
```

A dark blue callout box with a white border and a pointer to the script editor contains the text: "... and choose a preferred format or chart".

At the bottom left of the window, it says "Connected as: P392E, file: XX42N#25".

XINFO PC Client

Ausblenden Zurück Vorwärts Startseite Drucken Optionen

Inhalt Suchen Favoriten

- Legend Bar
- Output Bar
- Details
- Charts
- Scripts (Batch Interface)
  - GUI mode
  - Command line mode
- Syntax
  - Comments
  - Variables
  - Unknown statements
  - Statements**
    - ANNOTATION
    - ARRANGE
    - ARRANGE\_DISTINCT
    - CLOSE
    - CREATE\_XXX\_FILE
    - CSS
    - CSV\_SEPARATOR
    - EXIT
    - GOTO
    - HBAR\_CHART
    - HEADING
    - IF ... END-IF
    - IMAGE\_SIZE
    - LINE\_CHART
    - LINK
    - LNCMD\_EXEC
    - LNCMD\_EXEC\_SCAN
    - LOAD\_PRED / LOAD\_SUCC
    - LOGON
    - LOOP\_CONDITION
    - MAX\_DATA\_ROWS
    - MAX\_BROWSE\_ROWS
    - PIE\_CHART
    - SCAN ... END-SCAN
    - SELECTION\_FILE
    - SEPARATOR
    - SET\_TITLE
    - SORT
    - SQL
    - SQL\_SELECTION\_FILE
    - STOP\_ON\_EMPTY
    - TABLE\_COLOR

## Statements

[Top](#) [Previous](#) [Next](#)

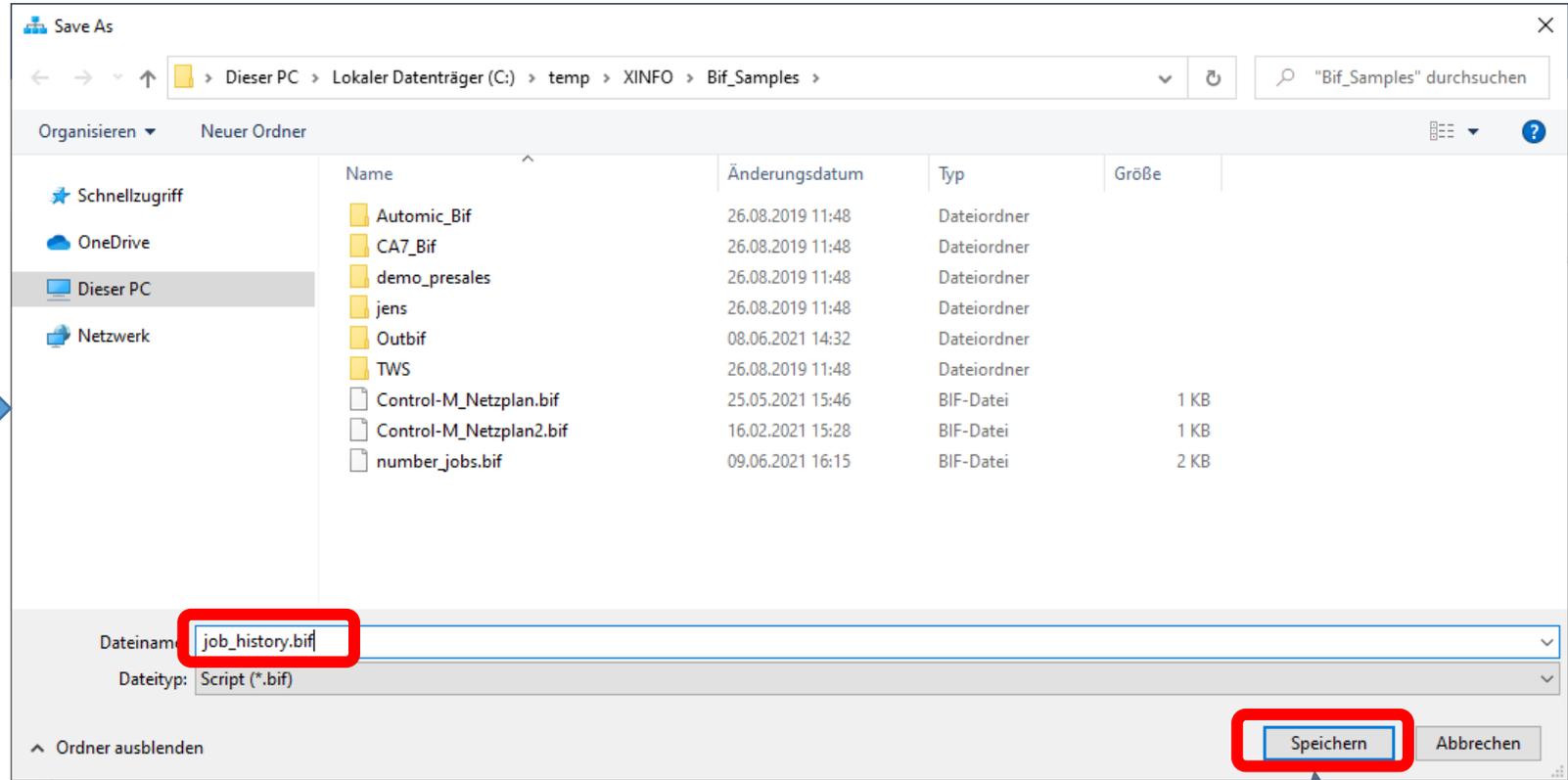
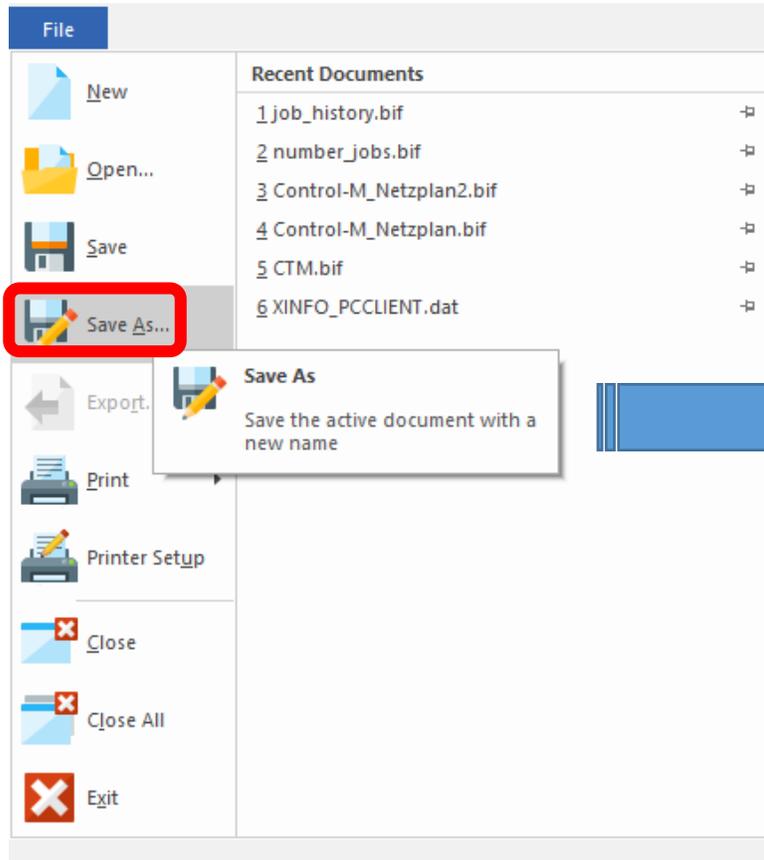
All statements start with a predefined keyword, which is displayed in blue by the editor.  
Depending on the statement none, one or more parameters can follow.  
Statements are not case sensitive.  
All supported statements are described in this section.

- [ANNOTATION](#)
- [ARRANGE](#)
- [ARRANGE\\_DISTINCT](#)
- [CLOSE](#)
- [CREATE\\_XXX\\_FILE](#)
- [CSS](#)
- [CSV\\_SEPARATOR](#)
- [EXIT](#)
- [GOTO / LABEL](#)
- [HBAR\\_CHART](#)
- [HEADING](#)
- [IF ... END-IF](#)
- [IMAGE\\_SIZE](#)
- [LINE\\_CHART](#)
- [LINK](#)
- [LNCMD\\_EXEC](#)
- [LNCMD\\_EXEC\\_SCAN](#)
- [LOAD\\_PRED / LOAD\\_SUCC](#)
- [LOGON](#)
- [LOOP\\_CONDITION](#)
- [MAX\\_DATA\\_ROWS](#)
- [MAX\\_BROWSE\\_ROWS](#)
- [PIE\\_CHART](#)
- [SCAN ... END-SCAN](#)
- [SELECTION\\_FILE](#)
- [SEPARATOR](#)
- [SET\\_TITLE](#)
- [SORT](#)
- [SQL](#)
- [SQL\\_SELECTION\\_FILE](#)
- [STOP\\_ON\\_EMPTY](#)
- [TABLE\\_COLOR](#)

With PF1 you get context sensitive help ...



# Create BIF file



Save the script

# Check BIF

XINFO PC Client - job\_history.bif

File Home Table Netplan Barchart Chart Script View

Clipboard Editing Variable Set Run

job\_history.bif x

```
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_histor  
5 create_json_file='.\Bif_Samples\Outbif\job_history_pe
```

You can check your script syntactically or ...

Output

```
2021-06-15 13:39:14 S parsing started  
2021-06-15 13:39:14 S parsing finished, 5 commands found, errors: 0, warnings: 0
```

Result

Connected as: P392E, file: XX42N#25

# Test BIF

XINFO PC Client - job\_history.bif

File Home Table Netplan Barchart Chart Script View

Clipboard Editing Variable Set Run

job\_history.bif x

```
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_  
5 create_json_file='.\Bif_Samples\Outbif\job_history_per_day.
```

... execute it directly in XINFO

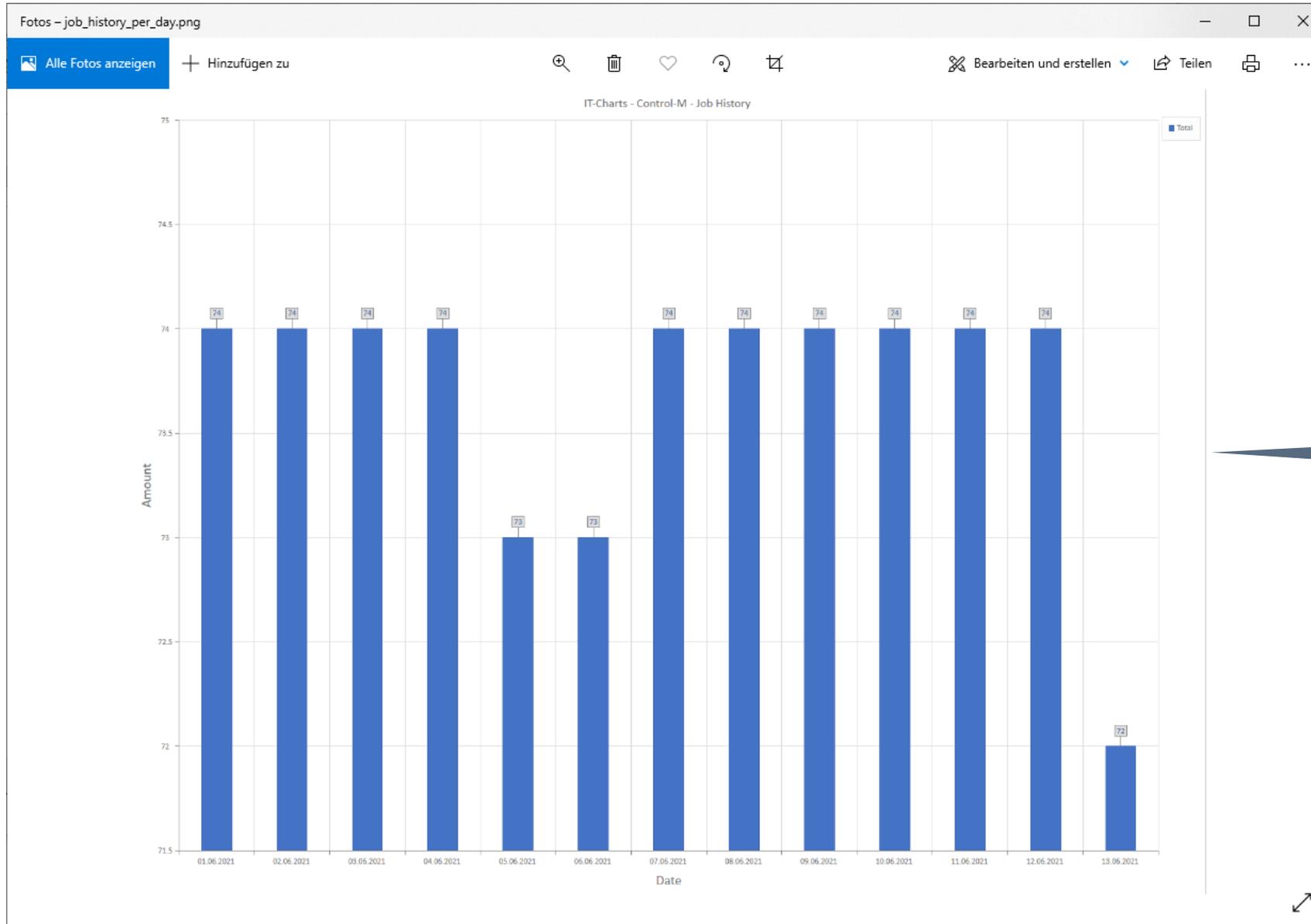
Output

```
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
```

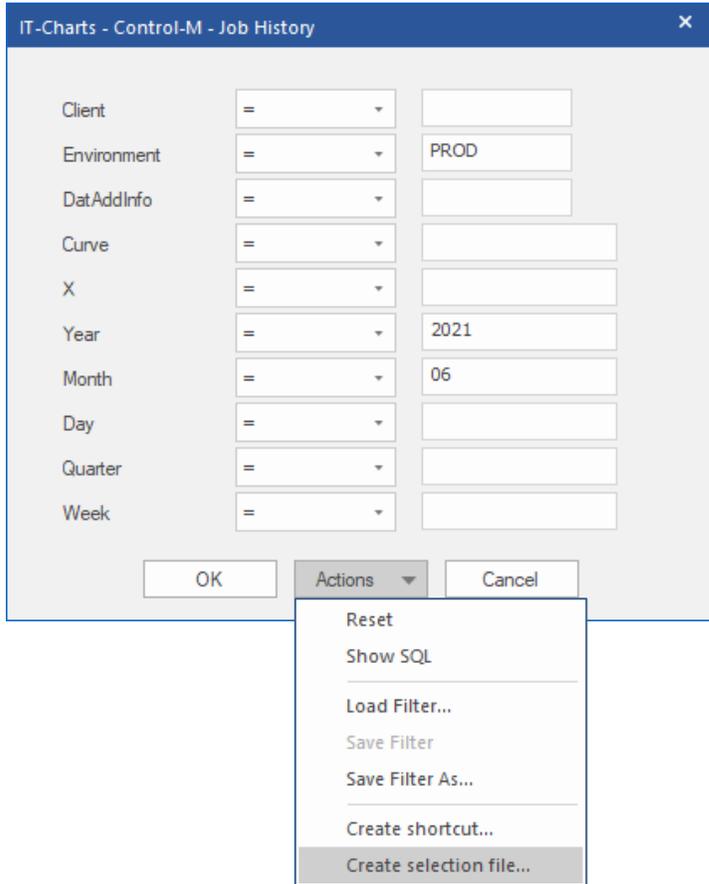
Report

Connected as: P392E, file: XX42N#25

# Result of BIF



# BIF variables



## Original selection file:

ITCHARTSCONTROLMJOBHISTORY

ITCHARTSCONTROLMJOBHISTORY\_ENVIRONMENT=PROD

ITCHARTSCONTROLMJOBHISTORY\_YEAR=EQ 2021

ITCHARTSCONTROLMJOBHISTORY\_MONTH=EQ 06

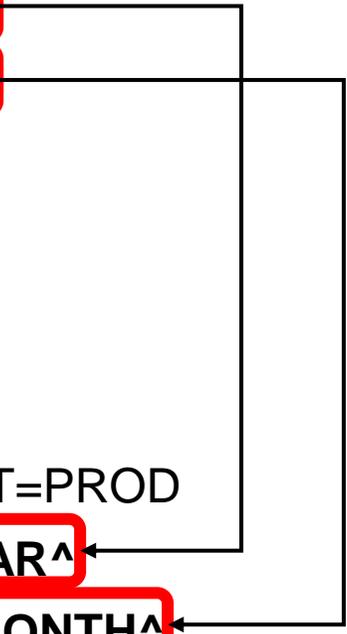
## Selection file with variables:

ITCHARTSCONTROLMJOBHISTORY

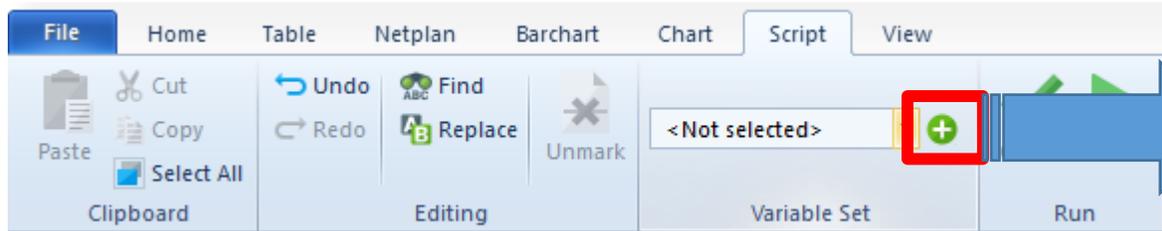
ITCHARTSCONTROLMJOBHISTORY\_ENVIRONMENT=PROD

ITCHARTSCONTROLMJOBHISTORY\_YEAR=EQ ^YEAR^

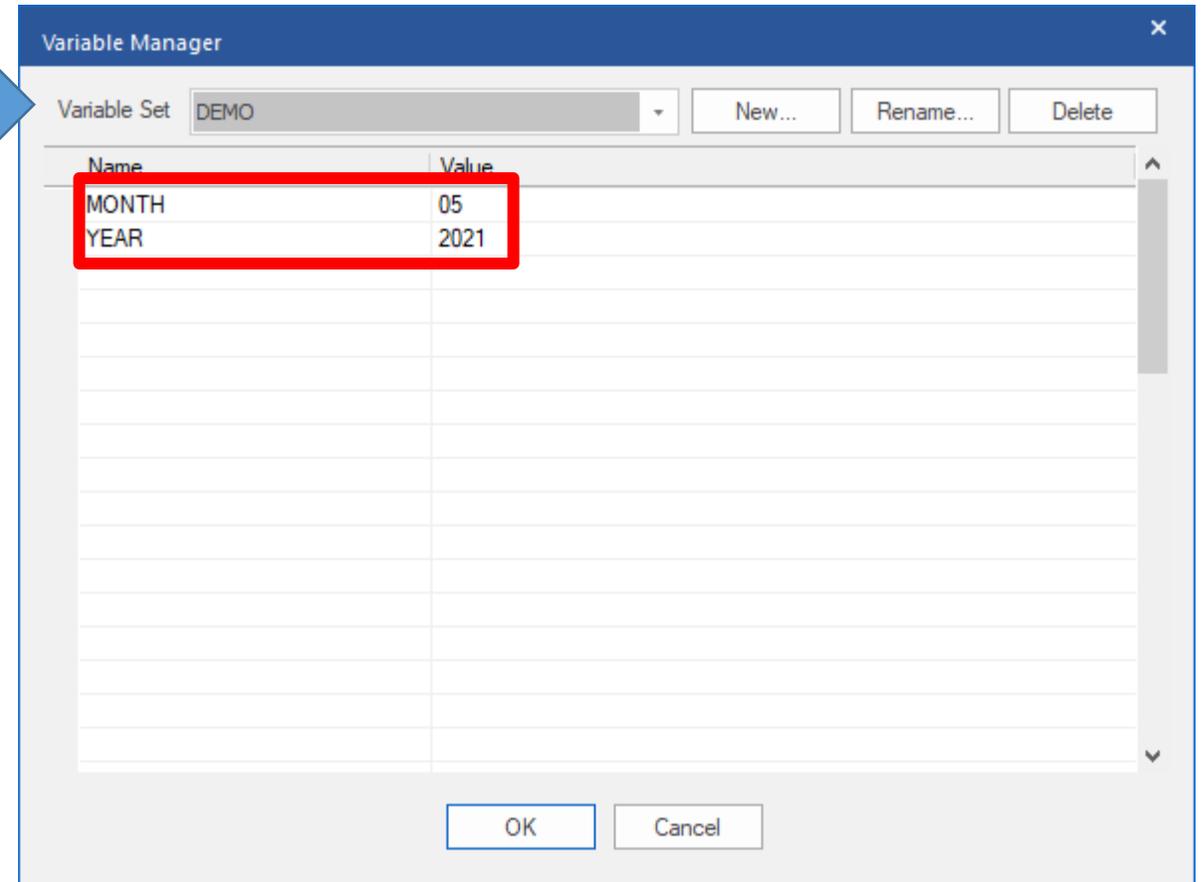
ITCHARTSCONTROLMJOBHISTORY\_MONTH=EQ ^MONTH^



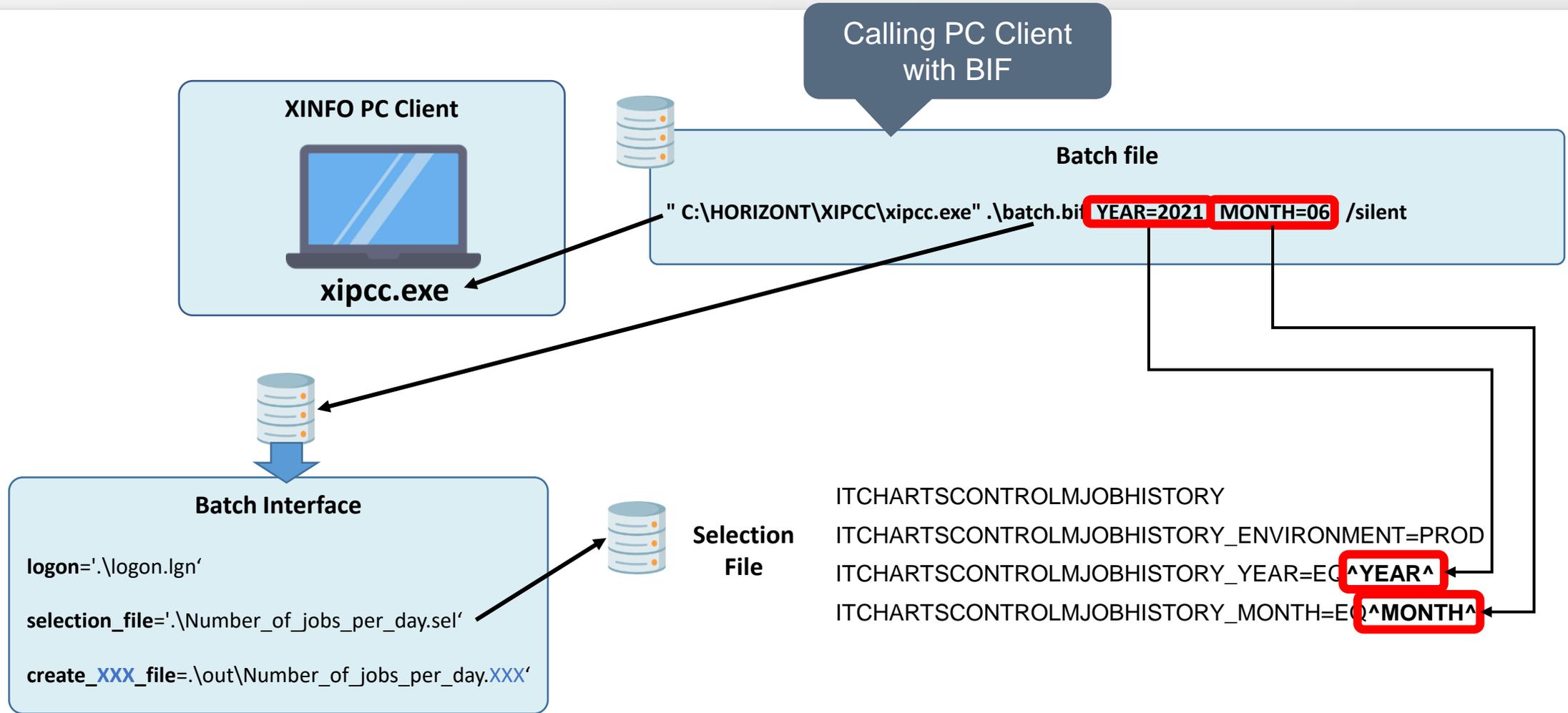
# Test BIF variables in PC Client



- You can define variables in XINFO for your selection file and BIF



# Handover variables in batch file



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. The background is light grey with a large red curved shape on the left and several faint, semi-transparent geometric shapes (squares and a triangle) scattered around the text.

**HORIZONT**

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