



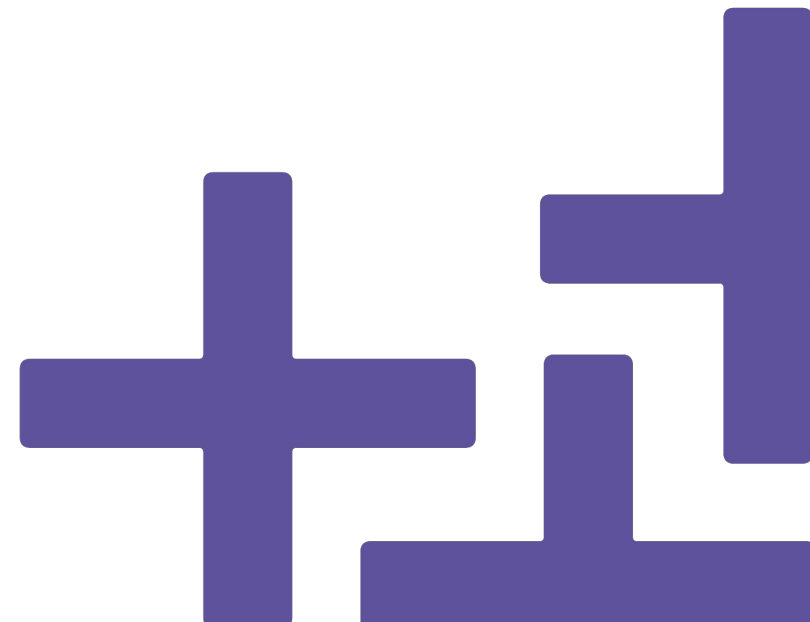
SilverTech

+talento +tecnología +empleabilidad

Socio estratégico



Impulsan



Cobol – Clase 29

Comandos en línea (TSO)



Reglas de la clase



Micrófonos apagados



Consultas al final de la clase



Consultas por chat



Cronograma

Primera Parte

18:30
a
19:25

Break

19:25
a
19:35

Segunda Parte

19:35
a
20:30

¿Qué veremos hoy?

- + Comandos básicos
- + Manejo de archivos y librerías
- + Práctica



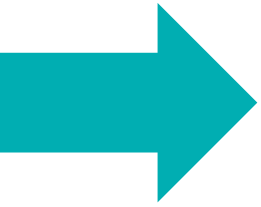


TSO

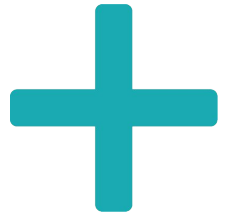
TSO (**Time Sharing Option**) es un entorno interactivo que se utiliza comúnmente en sistemas mainframe para permitir a los usuarios interactuar con el sistema y ejecutar comandos. Es parte del sistema operativo z/OS de IBM



ISP (**Interactive System Productivity Facility**) es una interfaz de usuario que proporciona un conjunto de utilidades interactivas para facilitar la gestión y desarrollo de aplicaciones en entornos mainframe.



Login



```
SOURCE DATA SET = SYS1.VTAM.SOURCE(USSN)

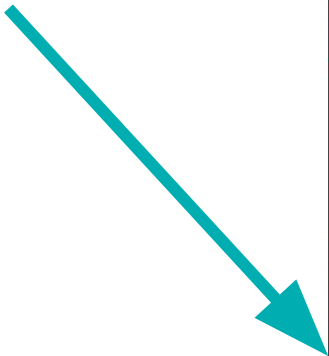
      W E L C O M E   T O

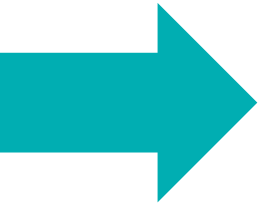
      SSSSSS  //  3333333  9999999  0000000
      SS      //  33  33  99  99  00  00
      SS      //      33  99  99  00  00
      SSSS    //  33333  9999999  00  00
      SS      //      33      99  00  00
      SS      //  33  33  99  99  00  00
      SSSSSSS //  3333333  9999999  0000000

      TERMINAL NAME = LCL703          NETWORK-QUALIFIED NAME = P390.LCL703
      SSCPNAME = P390SSCP            NETWORK-ID = P390

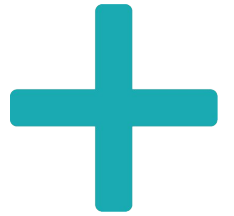
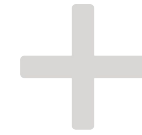
      OS/390 APPLICATION SERVICES SYSTEM - RELEASE 2.10.0

      ==> ENTER "LOGON" FOLLOWED BY THE TSO USERID. EXAMPLE "LOGON IBMUSER" OR
      ==> ENTER L FOLLOWED BY THE APPLID
      ==> EXAMPLES: "L TSO", "L CICS", "L IMS3270"
      TSO USER001_
```





Login



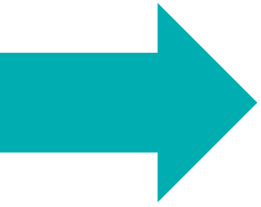
```
----- TSO/E LOGON -----
IKJ56714A Enter current password for USER001

Enter LOGON parameters below:                                RACF LOGON parameters:

Userid    ==> USER001
Password  ==>
Procedure ==> DBSPROC
Acct Nnbr ==> ACCT#
Size      ==> 4096
Perform   ==>
Command   ==> ISPF

Enter an 'S' before each option desired below:
      -Nonail      -Nonotice      -Reconnect      -OIDcard

PF1/PF13 ==> Help    PF3/PF15 ==> Logoff    PA1 ==> Attention    PA2 ==> Reshow
```



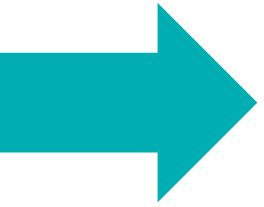
ISPF



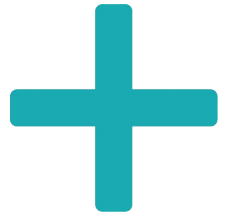
```
Menu Utilities Compilers Options Status Help
ISPF Primary Option Menu                                End of data
Option ==>
0 Settings      Terminal and user parameters           User ID . : USER001
1 View          Display source data or listings         Time. . . : 21:33
2 Edit          Create or change source data            Terminal. : 3278
3 Utilities     Perform utility functions               Screen. . : 1
4 Foreground    Interactive language processing         Language. : ENGLISH
5 Batch         Submit job for language processing      Appl ID . : ISR
6 Command       Enter TSO or Workstation commands      TSO logon : ISPFPROC
7 Dialog Test   Perform dialog testing                  TSO prefix:
8 LM Facility   Library administrator functions          System ID : P390
9 IBM Products  IBM program development products             MVS acct. : ACCT#
10 SCLM         SW Configuration Library Manager          Release . : ISPF 5.0
11 Workplace    ISPF Object/Action Workplace
M More         Additional IBM Products

Enter X to Terminate using log/list defaults

F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
```



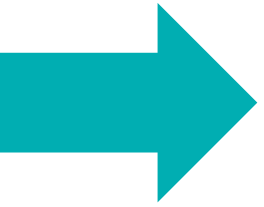
Teclas Function



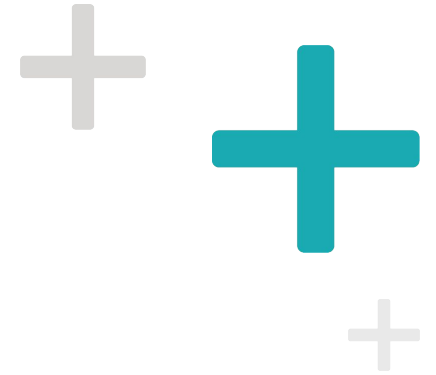
```
Menu Utilities Compilers Options Status Help
ISPF Primary Option Menu
Option ==>
0 Settings      Terminal and user parameters      User ID . : USER001
1 View          Display source data or listings      Time. . . : 21:33
2 Edit          Create or change source data      Terminal. : 3278
3 Utilities      Perform utility functions      Screen. . : 1
4 Foreground     Interactive language processing      Language. : ENGLISH
5 Batch          Submit job for language processing      Appl ID . : ISR
6 Command        Enter TSO or Workstation commands      TSO logon : ISPFPROC
7 Dialog Test     Perform dialog testing      TSO prefix:
8 LM Facility     Library administrator functions      System ID : P390
9 IBM Products    IBM program development products      MVS acct. : ACCT#
10 SCLM           SW Configuration Library Manager      Release . : ISPF 5.0
11 Workplace      ISPF Object/Action Workplace
M More           Additional IBM Products

Enter X to Terminate using log/list defaults

F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
```



Teclas Function



+ **F1 Help** : Ayuda sobre la pantalla donde se encuentra

+ **F2 Split** : Divide la pantalla en dos

+ **F3 Exit** : Sale de la pantalla actual y vuelve a la anterior

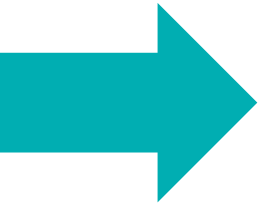
+ **F5 Find**: Busca

+ **F7 y F8** : Desplazamiento vertical de la pantalla

+ **F9 Swap**: Cambio de pantalla

+ **F10 y F11** : Desplazamiento horizontal de la pantalla

+ **F12 Cancel** : Cancela la operación actual



1 View



Indicar la librería,
el nombre del
miembro es
opcional.

Se se especifica
lo abre en
formato VIEW. Si
no se indica lista
todos los
miembros de la
librería.

```
Menu  RefList  RefMode  Utilities  Workstation  Help

View Entry Panel

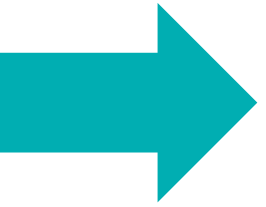
Command ==> _____ More: +

ISPF Library:
Project . . . . . DM
Group . . . . . BASE . . . . .
Type . . . . . JCL
Member . . . . . CL11EJ03 (Blank or pattern for member selection list)

Other Partitioned, Sequential or VSAM Data Set:
Data Set Name . . . . .
Volume Serial . . . . . (If not cataloged)

Workstation File:
File Name . . . . .

Options
Initial Macro . . . . . / Confirm Cancel/Move/Replace
Profile Name . . . . . - Browse Mode
Format Name . . . . . - View on Workstation
Data Set Password . . . . . / Warn on First Data Change
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
```



1 View



También se puede acceder escribiendo el nombre de la librería, con y sin indicar el miembro y también se puede ingresar archivos.

Se se especifica lo abre en formato VIEW. Si no se indica lista todos los miembros de la librería.

```
Menu  RefList  RefMode  Utilities  Workstation  Help

View Entry Panel

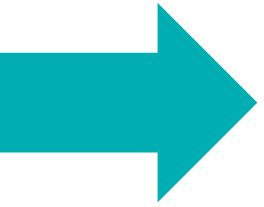
Command ==> _____ More: +

ISPF Library:
Project . . . _____
Group . . . _____ . . . _____ . . . _____
Type . . . _____
Member . . . _____ (Blank or pattern for member selection list)

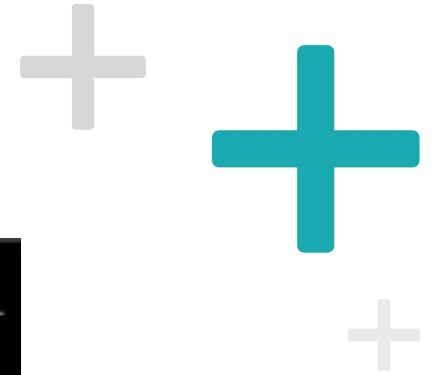
Other Partitioned, Sequential or VSAM Data Set:
Data Set Name . DM.BASE.JCL(CL11EJ03)
Volume Serial . . . _____ (If not cataloged)

Workstation File:
File Name . . . _____

Options
Initial Macro . . . _____ / Confirm Cancel/Move/Replace
Profile Name . . . _____ - Browse Mode
Format Name . . . _____ - View on Workstation
Data Set Password . . . _____ / Warn on First Data Change
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
```



2 Edit



Se utiliza de igual manera que la opción 1 View, la diferencia es que la librería o archivo se mostrará en formato EDIT. Es decir se podrá editar.

```
Menu  RefList  RefMode  Utilities  LMF  Workstation  Help

Edit Entry Panel

Command ===> _____

ISPF Library:
Project . . . . _____
Group . . . . _____ . . . . _____ . . . . _____
Type . . . . _____
Member . . . . _____ (Blank or pattern for member selection list)

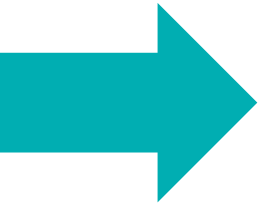
Other Partitioned, Sequential or VSAM Data Set:
Data Set Name . . . . _____
Volume Serial . . . . _____ (If not cataloged)

Workstation File:
File Name . . . . . _____

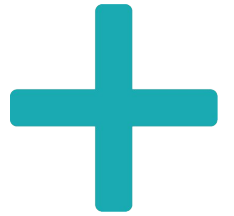
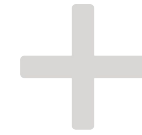
Initial Macro . . . . _____
Profile Name . . . . _____
Format Name . . . . _____
Data Set Password . . . . _____

F1=Help    F2=Split    F3=Exit
F10=Actions F12=Cancel

Options
/ Confirm Cancel/Move/Replace
_ Mixed Mode
_ Edit on Workstation
_ Preserve VB record length
_ F7=Backward F8=Forward F9=Swap
```

3 Utilities

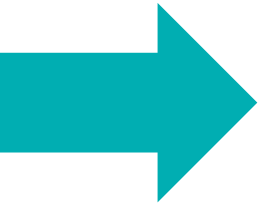


2 Crear, Renombrar, etc

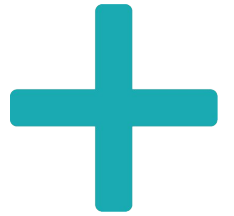
3 Mover o Copiar

4 Listar

```
Menu Help
Utility Selection Panel
Option ==>
More: +
1 Library Compress or print data set. Print index listing. Print,
rename, delete, browse, edit or view members
2 Data Set Allocate, rename, delete, catalog, uncatalog, or display
information of an entire data set
3 Move/Copy Move, copy, or promote members or data sets
4 Dslist Print or display (to process) list of data set names.
Print or display VTOC information
5 Reset Reset statistics for members of ISPF library
6 Hardcopy Initiate hardcopy output
7 Transfer Download ISPF Client/Server or Transfer data set
8 Outlist Display, delete, or print held job output
9 Commands Create/change an application command table
* Reserved This option reserved for future expansion
11 Format Format definition for formatted data Edit/Browse
12 SuperC Compare data sets (Standard Dialog)
13 SuperCE Compare data sets Extended (Extended Dialog)
14 Search-For Search data sets for strings of data (Standard Dialog)
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
```

3.3 Move/Copy



C para Copiar
M para Mover

Librería/Archivo
origen

```
Menu RefList Utilities Help
Move/Copy Utility
Option ==>
More: +
C Copy data set or member(s)    CP Copy and print
M Move data set or member(s)    MP Move and print
L Copy and LMF lock member(s)   LP Copy, LMF lock, and print
P LMF Promote data set or member(s) PP LMF Promote and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . . . (--- Options C, CP, L, and LP only ---)
Group . . . . .
Type . . . . .
Member . . . . . (Blank or pattern for member list,
                  "*" for all members)

From Other Partitioned or Sequential Data Set:
Data Set Name . . . . .

F1=Help    F2=Split    F3=Exit    F7=Backward    F8=Forward    F9=Swap
F10=Actions F12=Cancel
```

3.3 Move/Copy

Menu RefList Utilities Help

COPY From DM.BASE.JCL(CL11EJ03)

Command ==> _____

More: +

Specify "To" Data Set Below

To ISPF Library:

Project	_____	Replace option:
Group	_____	Enter "/" to select option
Type	_____	Replace like-named members
Member	_____	(Blank unless member is to be renamed)

To Other Partitioned or Sequential Data Set:

Data Set Name . . . _____

Volume Serial . . . _____ (If not cataloged)

Data Set Password . . . (If password protected)

To Data Set Options:

Sequential Disposition	Pack Option	SCLM Setting
F1=Help	F2=Split	F3=Exit
F10=Actions	F12=Cancel	F7=Backward
		F8=Forward
		F9=Swap

Indicar el destino

3.4 Dslist

Nombre de la
librería a buscar

```
Menu  RefList  RefMode  Utilities  Help
Data Set List Utility                                End of data
Option ==> _

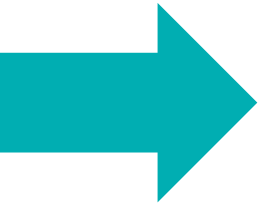
blank Display data set list          P Print data set list
  V Display VTOC information          PV Print VTOC information

Enter one or both of the parameters below:
Dsname Level . . . 
Volume serial . . . 

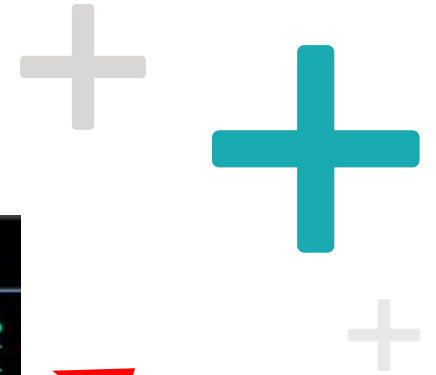
Data set list options
Initial View . . . 1 1. Volume          Enter "/" to select option
                    2. Space             / Confirm Data Set Delete
                    3. Attrib            / Confirm Member Delete
                    4. Total

When the data set list is displayed, enter either:
"/" on the data set list command field for the command prompt pop-up,
an ISPF line command, the name of a TSO command, CLIST, or REXX exec, or
"=" to execute the previous command.

F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel
```

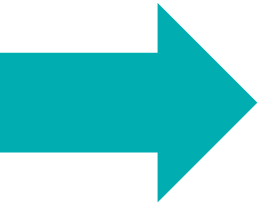
Vistas



```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      DM.BASE.SRC(CL11EJ03) - 01.16          Columns 00001 00072
Command ==> _                                     Scroll ==> PAGE
***** ***** Top of Data *****
000100      IDENTIFICATION DIVISION.
000110      PROGRAM-ID. CL11EJ03.
000111      TITLE 'CLASE 11 - EJERCICIO 3'.
000112      *-----*
000113      ENVIRONMENT DIVISION.
000114      CONFIGURATION SECTION.
000115      SPECIAL-NAMES.
000116          DECIMAL-POINT IS COMMA.
000117      *-----*
000118      INPUT-OUTPUT SECTION.
000119      *-----*
000120      FILE-CONTROL.
000121      *-----*
000122          SELECT ENTRADA  ASSIGN TO ENTRADA
000123                      ORGANIZATION IS SEQUENTIAL
000124                      ACCESS MODE  IS SEQUENTIAL
000126                      FILE STATUS IS FS-ENTRADA.
F1=Help    F2=Split    F3=Exit    F5=Rfind    F6=Rchange    F7=Up
F8=Down    F9=Swap     F10=Left   F11=Right   F12=Cancel
```

Indica si el miembro de una librería o el archivo que estamos visualizando esta en modo VIEW, EDIT, BROWSER.

Indica el scroll de la pantalla actual.
-PAGE: avanza de a página completa
-CSR: avanza desde donde se encuentra el cursor



Vista EDIT



Sobre la numeración de las líneas se puede ingresar distintos comandos:

I-Inserta un renglón en blanco

C-copia un renglón, indicar **A** after o **B** before donde es el destino

M-Mueve un registro , indicar **A** after o **B** before donde es el destino

D-Delete, elimina un registro

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      DM.FILE.CL11EJ03.ENTRADA      Columns 00001 00072
Command ==> _      Scroll ==> CSR
***** ***** Top of Data *****
000100 2023-01-0110100MCCARTNEY, BRANDA      ALMACEN
000200 2023-01-0110050EIFFEL, EMILIO      ALMACEN
000300 2023-01-0110050EIFFEL, EMILIO      ALMACEN
000400 2023-01-0110045ANCHORENA, AMPARO      ALMACEN
000500 2023-01-0110050EIFFEL, EMILIO      ALMACEN
000600 2023-01-0110001BLANCO, FLORENCIA      ALMACEN
000700 2023-01-0110045ANCHORENA, AMPARO      ALMACEN
000800 2023-01-0110050EIFFEL, EMILIO      ALMACEN
000900 2023-01-0110100MCCARTNEY, BRANDA      ALMACEN
001000 2023-01-0110001BLANCO, FLORENCIA      ALMACEN
***** ***** Bottom of Data *****

F1=Help      F2=Split      F3=Exit      F5=Rfind      F6=Rchange      F7=Up
```



SPOOL

M More : Additional IBM Products

5 SDSF : Spool Search and Display Facility

ST : Status of jobs

```
Menu Utilities Compilers Options Status Help
-----
ISPF Primary Option Menu

Option ==> M_

0 Settings      Terminal and user parameters      User ID . : USER001
1 View          Display source data or listings      Time. . . : 22:25
2 Edit          Create or change source data      Terminal. : 3278
3 Utilities      Perform utility functions              Screen. . : 2
4 Foreground    Interactive language processing      Language. : ENGLISH
5 Batch          Submit job for language processing    Appl ID . : ISR
6 Command        Enter TSO or Workstation commands      TSO logon : ISPFPROC
7 Dialog Test    Perform dialog testing                  TSO prefix:
8 LM Facility     Library administrator functions        System ID : P390
9 IBM Products    IBM program development products        MVS acct. : ACCT#
10 SCLM           SW Configuration Library Manager        Release . : ISPF 5.0
11 Workplace     ISPF Object/Action Workplace
M More           Additional IBM Products

Enter X to Terminate using log/list defaults

F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
```

```
Menu Help
-----
IBM Products Panel

Option ==> 5_

1 SMP/E      System Modification Program/Extended
2 ISMF        Integrated Storage Management Facility
3 RACF        Resource Access Control Facility
4 HCD         Hardware Configuration Dialogs
5 SDSF        Spool Search and Display Facility
6 IPCS        Interactive Problem Control System
7 DITTO       DITTO/ESA for MVS Version 1
8 RMF         Resource Measurement Facility
9 DFSORT      Data Facility Sort
10 OMVS       MVS OpenEdition
11 DB2PM      Database Performance Monitor
12 DB2DC      Database data collection
13 DB2        Data Base Products
14 RRS        Resource Recovery Services
15 DB2ADM     Data Base Admin Tool
16 QMF        Query Management Facility
F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
```

```
Display Filter View Print Options Help
-----
HQX7703 ----- SDSF PRIMARY OPTION MENU -----
COMMAND INPUT ==> ST_ SCROLL ==> PAGE

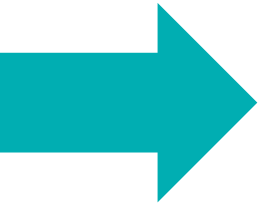
DA Active users      INIT Initiators
I  Input queue       PR  Printers
O  Output queue      PUN Punches
H  Held output queue RDR Readers
ST Status of jobs    LINE Lines
                                NODE Nodes
                                SD  Spool offload

LOG System log
MAS Members in the MAS
JC  Job classes      ULOG User session log
SE  Scheduling environments
RES ULM resources

Licensed Materials - Property of IBM

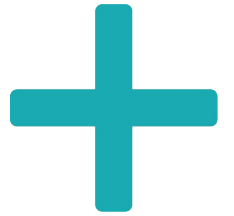
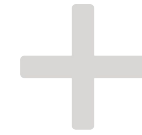
5647-A01 (C) Copyright IBM Corp. 1981, 2000. All rights reserved.
US Government Users Restricted Rights - Use, duplication or
F1=HELP  F2=SPLIT  F3=END  F4=RETURN  F5=IFIND  F6=BOOK
F7=UP    F8=DOWN  F9=SWAP  F10=LEFT  F11=RIGHT  F12=RETRIEVE
```





SPOOL

M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs

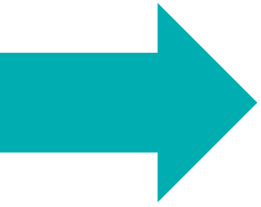


Nombre del JOB
(JCL), usuario o
proceso en ejecución
o finalizado OK o con
Error

ID único que asigna el
Mainframe a cada
ejecución

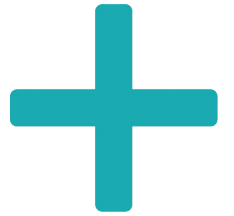
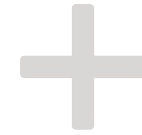
Display	Filter	View	Print	Options	Help					
SDSF STATUS DISPLAY ALL CLASSES										LINE 1-16 (74)
COMMAND INPUT ==>										SCROLL ==> PAGE
JOBNAME	JobID	Owner	Prtty	Queue	C	Pos	SAff	ASys	Status	
PROF003	TSU02398	PROF003	15	EXECUTION			SYS1	SYS1		
USER001	TSU02402	USER001	15	EXECUTION			SYS1	SYS1		
SYSLOG	STC02334	+MASTER+	15	EXECUTION			SYS1	SYS1		
RACF	STC02349	RACF	15	EXECUTION			SYS1	SYS1		
NFSC	STC02332	NFSC	15	EXECUTION			SYS1	SYS1		
VTAM	STC02331	VTAM	15	EXECUTION			SYS1	SYS1		
INIT	STC02333	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02338	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02337	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02339	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02336	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02335	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02341	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02340	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02342	INIT	15	EXECUTION			SYS1	SYS1		
INIT	STC02343	INIT	15	EXECUTION			SYS1	SYS1		
F1=HELP F2=SPLIT F3=END F4=RETURN F5=IFIND F6=BOOK										
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE										

Dueño de la
ejecución



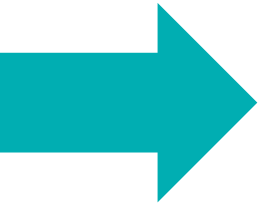
SPOOL

M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs



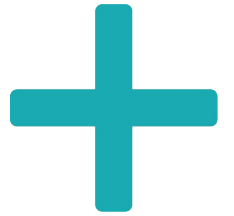
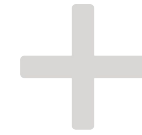
La columna
Max-RC indica el
resultado de la
ejecución

<u>Display</u> <u>Filter</u> <u>View</u> <u>Print</u> <u>Options</u> <u>Help</u>								
SDSF STATUS DISPLAY ALL CLASSES						LINE 49-64 (74)		
COMMAND INPUT ==>						SCROLL ==> PAGE		
NP	JOBNAME	Node	Device	Max-RC	SrvClass	WPos	Scheduling-Env	Dly Mode
	\$MASCOMM					0		
	NFSC	L		ABEND S222		0		
	NFSS	L		ABEND S222		0		
	SDSF	L		CC 0000		0		
	PORTMAP	L		CC 4095		0		
	TCPIP	L		CC 0000		0		
	HTTPD1	L		CC 0000		0		
	SYSLOG	L				0		
	TSO	L				0		
	CICSA	L		CC 0001		0		
	IRRDPTAB	L		CC 0000		0		
	NFSC	L		ABEND S222		0		
	SDSF	L		CC 0000		0		
	PORTMAP	L		CC 4095		0		
	NFSS	L		ABEND S222		0		
	TCPIP	L		CC 0000		0		
F1=HELP		F2=SPLIT		F3=END		F4=RETURN		F5=IFIND
F7=UP		F8=DOWN		F9=SWAP		F10=LEFT		F6=BOOK F12=RETRIEVE

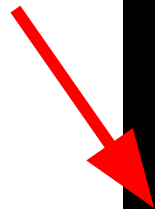


SPOOL

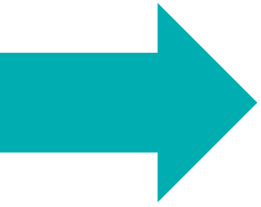
M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs



Muestra el JCL
tal cual se
ejecutó

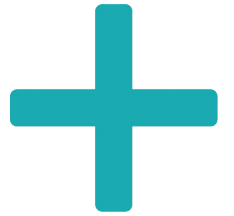
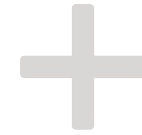


<u>Display</u> <u>Filter</u> <u>View</u> <u>Print</u> <u>Options</u> <u>Help</u>										
SDSF STATUS DISPLAY ALL CLASSES								DATA SET DISPLAYED		
COMMAND INPUT ==>								SCROLL ==> PAGE		
NP	JOBNAME	JobID	Owner	Prty	Queue	C	Pos	SAff	ASys	Status
	IBMUSER	TSU02320	IBMUSER	1	PRINT		17			
	HTTPD1	STC02325	WEBSRV	1	PRINT		18			
	SYSLOG	STC02278	+MASTER+	1	PRINT		19			
	TSO	STC02312	++++++	1	PRINT		20			
	CICSA	STC02321	CICSA	1	PRINT		21			
	IRRDPTAB	STC02369	IRRDPTAB	1	PRINT		22			
	PROF003	TSU02382	PROF003	1	PRINT		23			
SJ	JCLPRB01	JOB02399	PROF003	1	PRINT	A	24			
	JCLPRB01	JOB02400	PROF003	1	PRINT	A	25			
	JCLPRB01	JOB02401	PROF003	1	PRINT	A	26			
F1=HELP F2=SPLIT F3=END F4=RETURN F5=IFIND F6=BOOK										
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE										

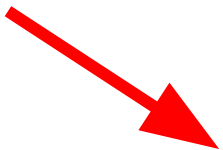


SPOOL

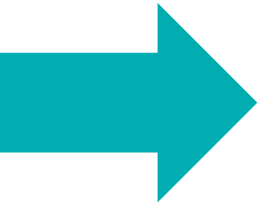
M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs



Muestra la
información de la
ejecución todo
junto en un sola
vista

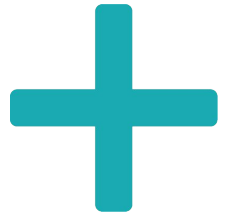
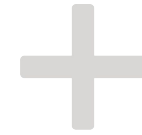


Display Filter View Print Options Help									
SDSF STATUS DISPLAY ALL CLASSES									
COMMAND INPUT ==>								DATA SET DISPLAYED	
								SCROLL ==> PAGE	
NP	JOBNAME	JobID	Owner	Prty	Queue	C	Pos	SAff	ASys Status
	IBMUSER	TSU02320	IBMUSER	1	PRINT		17		
	HTTDP1	STC02325	WEBSRV	1	PRINT		18		
	SYSLOG	STC02278	+MASTER+	1	PRINT		19		
	TSO	STC02312	++++++	1	PRINT		20		
	CICSA	STC02321	CICSA	1	PRINT		21		
	IRRDPTAB	STC02369	IRRDPTAB	1	PRINT		22		
	PROF003	TSU02382	PROF003	1	PRINT		23		
S	JCLPRB01	JOB02399	PROF003	1	PRINT	A	24		
	JCLPRB01	JOB02400	PROF003	1	PRINT	A	25		
	JCLPRB01	JOB02401	PROF003	1	PRINT	A	26		
F1=HELP F2=SPLIT F3=END F4=RETURN F5=IFIND F6=BOOK									
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE									

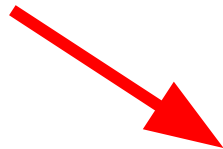


SPOOL

M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs

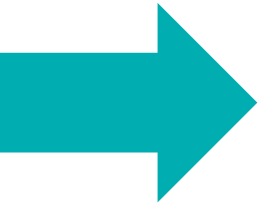


Muestra la
información de la
ejecución todo junto
en un sola vista



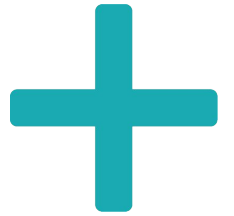
Display Filter View Print Options Help									

SDSF STATUS DISPLAY ALL CLASSES								DATA SET DISPLAYED	
COMMAND INPUT ==>								SCROLL ==> PAGE	
NP	JOBNAME	JobID	Owner	Prty	Queue	C	Pos	SAff	ASys Status
	IBMUSER	TSU02320	IBMUSER	1	PRINT		17		
	HTTPD1	STC02325	WEBSRV	1	PRINT		18		
	SYSLOG	STC02278	+MASTER+	1	PRINT		19		
	TSO	STC02312	++++++	1	PRINT		20		
	CICSA	STC02321	CICSA	1	PRINT		21		
	IRRDPTAB	STC02369	IRRDPTAB	1	PRINT		22		
	PROF003	TSU02382	PROF003	1	PRINT		23		
S	JCLPRB01	JOB02399	PROF003	1	PRINT	A	24		
	JCLPRB01	JOB02400	PROF003	1	PRINT	A	25		
	JCLPRB01	JOB02401	PROF003	1	PRINT	A	26		
F1=HELP F2=SPLIT F3=END F4=RETURN F5=IFIND F6=BOOK									
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE									



SPOOL

M More : Additional IBM Products
5 SDSF : Spool Search and Display Facility
ST : Status of jobs



Otros comandos

C: Cancela la ejecución de un JCL en curso

```
C_ JCLPRB01 JOB02399 PROF003 1 PRINT A 24
   JCLPRB01 JOB02400 PROF003 1 PRINT A 25
   JCLPRB01 JOB02401 PROF003 1 PRINT A 26
```

P: Purga una ejecución, es decir la elimina del spool

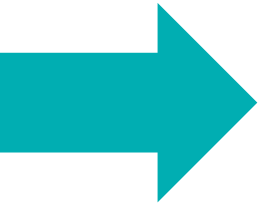
```
P_ JCLPRB01 JOB02399 PROF003 1 PRINT A 24
   JCLPRB01 JOB02400 PROF003 1 PRINT A 25
   JCLPRB01 JOB02401 PROF003 1 PRINT A 26
```

OWNER {usuarios}: Se puede filtrar para ver solo las ejecución de un usuarios, y con **OWNER *** volver a ver todas las ejecuciones

```
SDSF STATUS DISPLAY ALL CLASSES
COMMAND INPUT ==> OWNER USER001
NP  JOBNAME  Node Device  Max-RC
   PROF001  L
```

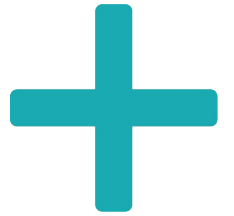
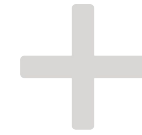
PRE {valor}: Se puede filtrar para ver solo las ejecución con dicho prefijo, y con **PRE *** volver a ver todas las ejecuciones

```
SDSF STATUS DISPLAY ALL CLASSES
COMMAND INPUT ==> PRE COMP*_
NP  JOBNAME  JobID  Owner  Prty Qu
   PROF001  TSU02403 PROF001  15 EX
```

DB2

M More : Additional IBM Products
13 DB2 : Data Base Products



1: SPUFI

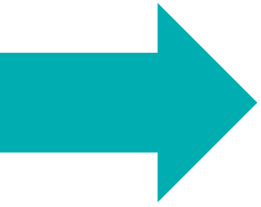
Q: QMF

```
DB2I PRIMARY OPTION MENU                      SSID: DSN1
COMMAND ===> _

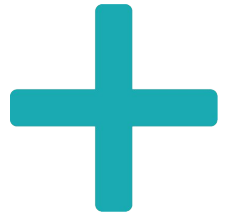
Select one of the following DB2 functions and press ENTER.

1  SPUFI                      (Process SQL statements)
2  DCLGEN                     (Generate SQL and source language declarations)
3  PROGRAM PREPARATION        (Prepare a DB2 application program to run)
4  PRECOMPILE                 (Invoke DB2 precompiler)
5  BIND/REBIND/FREE           (BIND, REBIND, or FREE plans or packages)
6  RUN                        (RUN an SQL program)
7  DB2 COMMANDS               (Issue DB2 commands)
8  UTILITIES                  (Invoke DB2 utilities)
D  DB2I DEFAULTS              (Set global parameters)
Q  QMF                        (Query Management Facility)
X  EXIT                       (Leave DB2I)

F1=HELP    F2=SPLIT    F3=END    F4=RETURN    F5=RFIND    F6=RCHANGE
F7=UP      F8=DOWN     F9=SWAP    F10=LEFT   F11=RIGHT   F12=RETRIEVE
```



Logout

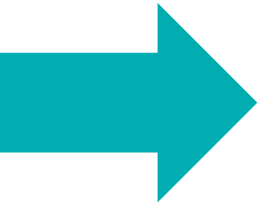


Desde la pantalla inicial del ISPF seleccionar la opción **X**

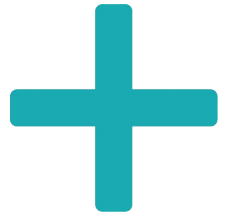
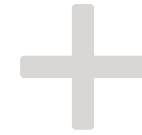
```
Menu Utilities Compilers Options Status Help
ISPF Primary Option Menu
Option ==> X
0 Settings      Terminal and user parameters      User ID . : USER001
1 View          Display source data or listings      Time. . . : 22:51
2 Edit          Create or change source data      Terminal. : 3278
3 Utilities     Perform utility functions      Screen. . : 3
4 Foreground    Interactive language processing      Language. : ENGLISH
5 Batch         Submit job for language processing      Appl ID . : ISR
6 Command       Enter TSO or Workstation commands      TSO logon : ISPFPROC
7 Dialog Test   Perform dialog testing      TSO prefix:
8 LM Facility   Library administrator functions      System ID : P390
9 IBM Products  IBM program development products      MVS acct. : ACCT#
10 SCLM         SW Configuration Library Manager      Release . : ISPF 5.0
11 Workplace    ISPF Object/Action Workplace
M More         Additional IBM Products

Enter X to Terminate using log/list defaults

F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel
```



Logout



```
Specify Disposition of Log Data Set

Command ==> _____

Log Data Set (USER001.SPFLOG1.LIST) Disposition:
Process Option . . . . . 1. Print data set and delete
                        2. Delete data set without printing
                        3. Keep data set - Same
                           (allocate same data set in next session)
                        4. Keep data set - New
                           (allocate new data set in next session)

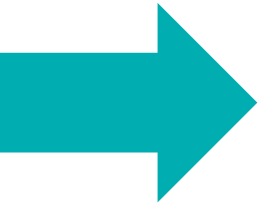
Batch SYSOUT class . . _____
Local printer ID or
writer-name . . . . . _____
Local SYSOUT class . . _____

List Data Set Options not available

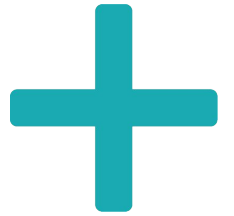
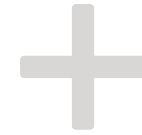
Press ENTER key to complete ISPF termination.
Enter END command to return to the primary option menu.

Job statement information: (Required for system printer)
==> _____

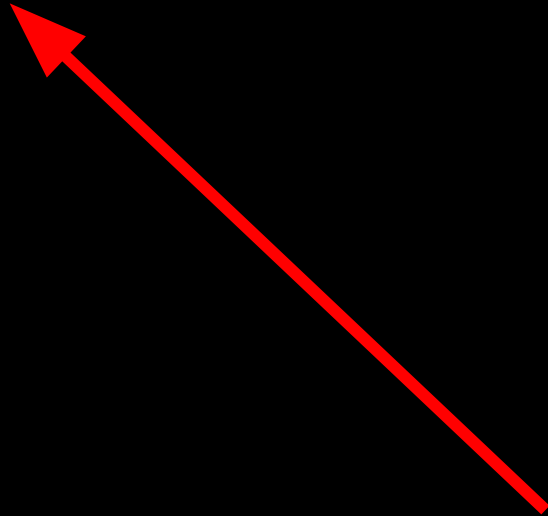
F1=Help    F2=Split    F3=Exit    F7=Backward    F8=Forward    F9=Swap
```



Logout (logoff)



```
USER001.SPFLOG1.LIST has been deleted.  
READY  
logoff_
```



```
SOURCE DATA SET = SYS1.VTAM.SOURCE(USSH)
```

```
W E L C O M E T O
```

```
SSSSSS // 333333 999999 000000  
SS // 33 33 99 99 00 00  
SS // 33 99 99 00 00  
SSSS // 33333 999999 00 00  
SS // 33 99 00 00  
SS // 33 33 99 99 00 00  
SSSSSS // 3333333 999999 000000
```

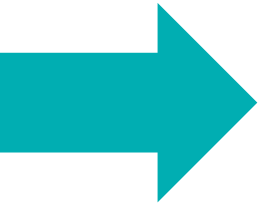
```
TERMINAL NAME = LCL701  
SSCPNAME = P390SSCP
```

```
NETWORK-QUALIFIED NAME = P390.LCL701  
NETWORK-ID = P390
```

```
OS/390 APPLICATION SERVICES SYSTEM - RELEASE 2.10.0
```

```
====> ENTER "LOGON" FOLLOWED BY THE TSO USERID. EXAMPLE "LOGON IBMUSER" OR  
====> ENTER L FOLLOWED BY THE APPLID  
====> EXAMPLES: "L TSO", "L CICS", "L IMS3270"
```

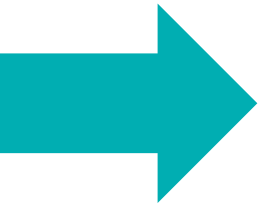




COMMAND



- **START:** Vuelve a la pantalla inicial del ISPF
- **HI COBOL:** Muestra la sintaxis COBOL con colores
- **HI JCL:** Muestra la sintaxis JCL con colores
- **HI AUTO:** Detecta automáticamente la sintaxis COBOL o JCL para mostrarla con colores
- **SCRNAME:** Permite asignarle un nombre a una pantalla en el SWAP LIST
- **KEYS:** Permite editar las funciones asignadas a cada tecla Fn función.
- **SWAP LIST:** Lista las pantallas activas (máximo 8)
- **SUBMIT / SUB:** Ejecuta un JCL



Comunicación

Foro de consultas TEC:

<https://campus.soysilverttech.org>

Mails de consulta TEC:

consultasCOBOL@soysilverttech.org



SilverTech
+talento +tecnología +empleabilidad