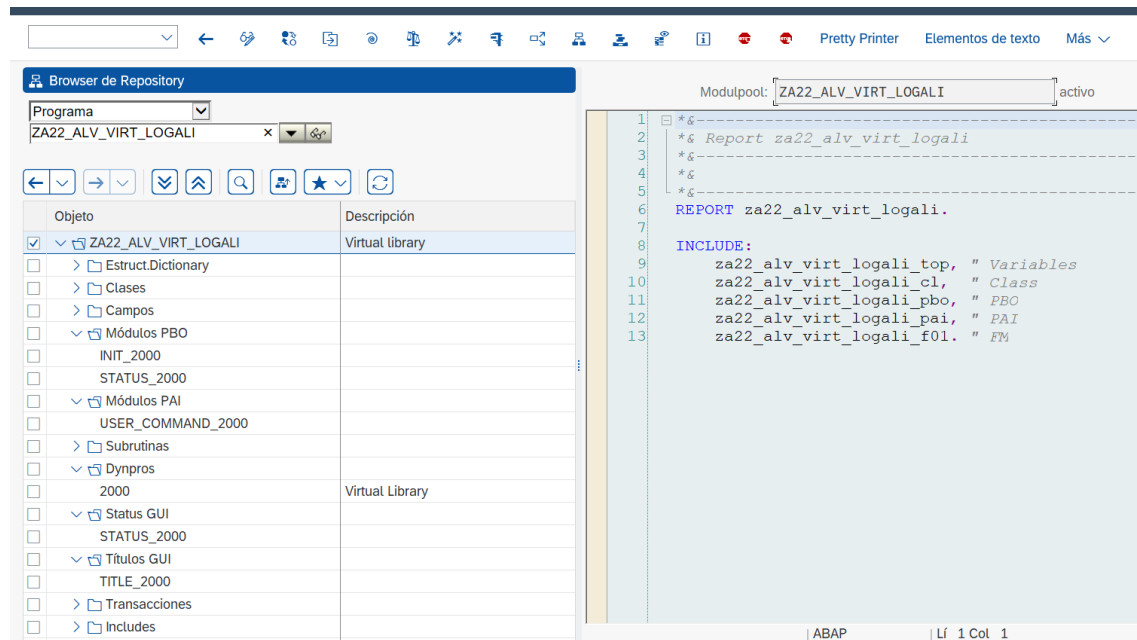


Program related to Modul Pool and ALV

Program za22_alv_virt_logali



The screenshot displays the SAP IDE interface for the program `za22_alv_virt_logali`. The left pane, titled "Browser de Repository", shows a tree view of objects. The right pane shows the program code in the "Modulpool: ZA22_ALV_VIRT_LOGALI" pool.

Browser de Repository:

Objeto	Descripción
✓ ZA22_ALV_VIRT_LOGALI	Virtual library
> Estruct.Dictionary	
> Clases	
> Campos	
✓ Módulos PBO	
INIT_2000	
STATUS_2000	
✓ Módulos PAI	
USER_COMMAND_2000	
> Subrutinas	
✓ Dynpros	
2000	Virtual Library
✓ Status GUI	
STATUS_2000	
✓ Títulos GUI	
TITLE_2000	
> Transacciones	
> Includes	

Modulpool: ZA22_ALV_VIRT_LOGALI activo

```
1  *%-----*
2  *% Report za22_alv_virt_logali
3  *%-----*
4  *%
5  *%
6  REPORT za22_alv_virt_logali.
7
8  INCLUDE:
9      za22_alv_virt_logali_top, " Variables
10     za22_alv_virt_logali_cl,  " Class
11     za22_alv_virt_logali_pbo, " PBO
12     za22_alv_virt_logali_pai, " PAI
13     za22_alv_virt_logali_f01. " FM
```

Program za22_alv_virt_logali_top

```
*%-----*
*% Include za22_alv_virt_logali_top
*%-----*

TABLES:
    zbi_cln_logali,
    zbi_cat_logali.

DATA ok_code TYPE syucomm.

" Custom Container
DATA go_custom_container TYPE REF TO cl_gui_custom_container.

" Field Catalog
DATA gt_fieldcat TYPE lvc_t_fcat.

" ALV Grid
DATA go_alv_paper_lib TYPE REF TO cl_gui_alv_grid.

" Paper Books - Data
DATA gt_paper_books TYPE TABLE OF zbi_lib_logali.

" Layout -> Esta parte no la tengo explicada en la teoría
DATA gs_layout TYPE lvc_s_layo.

" Events -> Esta parte no la tengo explicada en la teoría
CLASS lcl_event_alv_grid DEFINITION DEFERRED.

DATA go_event_alv_grid TYPE REF TO lcl_event_alv_grid.
```

63

Más

Tabla: ZBI_CLN_LOGALI

Campos visualiz.: 6 De 6

Columnas clave fijas: 2

AnchoLista 9258

	MANDT	ID_CLIENTE	NOMBRE	APELLIDOS	EMAIL	TIPO_ACCESO
<input type="checkbox"/>	800	005638984K	ANDREW	ROBERTS	STEPHANIE.ROBERTS@EMAIL.COM	1
<input type="checkbox"/>	800	049320909Q	NATALIE	CLARK	PETER.CLARK@EMAIL.COM	2
<input type="checkbox"/>	800	049573865T	FAITH	DAN.BLACK@EMAIL.COM	DAN.BLACK@EMAIL.COM	1
<input type="checkbox"/>	800	203947278B	CAROLYN	WRIGHT	ADRIAN.WRIGHT@EMAIL.COM	3
<input type="checkbox"/>	800	234234231T	PENELOPE	KING	CAROLINE.KING@EMAIL.COM	5
<input type="checkbox"/>	800	239482309W	JULIAN	UNDERWOOD	DAN.UNDERWOOD@EMAIL.COM	5
<input type="checkbox"/>	800	276594867J	OLIVIA	ALLAN	OWEN.ALLAN@EMAIL.COM	5
<input type="checkbox"/>	800	283748858A	ERIC	KNOX	LILY.KNOX@EMAIL.COM	5
<input type="checkbox"/>	800	324726345S	VANESSA	BAKER	SUE.BAKER@EMAIL.COM	4
<input type="checkbox"/>	800	340958439D	MICHAEL	SHORT	JASON.SHORT@EMAIL.COM	5
<input type="checkbox"/>	800	345003450E	SUE	SANDERSON	JOAN.SANDERSON@EMAIL.COM	3

63

Más

Tabla:

ZBI_CAT_LOGALI

Campos visualiz.: 3 De 3

Columnas clave fijas: 2

AnchoLista 0250

	MANDT	BI_CATEG	DESCRIPCION
<input type="checkbox"/>	800	A	Filosofía, psicología
<input type="checkbox"/>	800	B	Religión, mitología
<input type="checkbox"/>	800	C	Ciencias sociales (derecho, política, economía)
<input type="checkbox"/>	800	D	Ciencias naturales (matemáticas, astronomía, física)
<input type="checkbox"/>	800	E	Ciencias aplicadas (tecnología, informática)
<input type="checkbox"/>	800	F	Arte, música, deporte
<input type="checkbox"/>	800	G	Lengua, poesía, teatro
<input type="checkbox"/>	800	H	Geografía, historia

Program ZA22_ALV_VIRT_LOGALI_CL

```
*&-----*
*& Include          ZA22_ALV_VIRT_LOGALI_CL
*&-----*

CLASS lcl_event_alv_grid DEFINITION.

    PUBLIC SECTION.

        METHODS handle_double_click FOR EVENT double_click OF cl_gui_alv_grid
            IMPORTING
                e_column
                e_row
                es_row_no.

        METHODS handle_data_changed FOR EVENT data_changed OF cl_gui_alv_grid
            IMPORTING
                er_data_changed
                e_onf4
                e_onf4_after
                e_onf4_before
                e_ucomm.

        METHODS handle_user_command FOR EVENT user_command OF cl_gui_alv_grid
            IMPORTING
                e_ucomm.

        METHODS handle_toolbar FOR EVENT toolbar OF cl_gui_alv_grid
            IMPORTING
                e_interactive
                e_object.

ENDCLASS.

CLASS lcl_event_alv_grid IMPLEMENTATION.

    METHOD handle_data_changed.

    ENDMETHOD.

    METHOD handle_double_click.

    ENDMETHOD.

    METHOD handle_user_command.

    ENDMETHOD.

    METHOD handle_toolbar.

        " Option 1
        *   DATA ls_toolbar TYPE stb_button.
        *
        *   ls_toolbar-function = 'A_SAVE'.
        *   ls_toolbar-quickinfo = 'Save'.
        *   ls_toolbar-icon     = '@F_SAVE@'.
        *
        *   APPEND ls_toolbar TO e_object->mt_toolbar.

        " Option 2.
        *   APPEND INITIAL LINE TO e_object->mt_toolbar ASSIGNING FIELD-
        *   SYMBOL(<ls_toolbar>).
        *
    ENDMETHOD.

ENDCLASS.
```

```

*      <ls_toolbar>-function      = 'A_SAVE'.
*      <ls_toolbar>-quickinfo    = 'Save'.
*      <ls_toolbar>-icon         = '@F_SAVE@'.

" Option 3.
*      APPEND VALUE stb_button( function = 'A_SAVE'
*                               quickinfo = 'Save'
*                               icon      = '@F_SAVE@') TO e_object->mt_toolbar.

" Option 3.
APPEND VALUE #( function = 'A_SAVE'
               quickinfo = 'Save'
               icon      = '@F_SAVE@') TO e_object->mt_toolbar.

" Option 4.
*      INSERT VALUE stb_button( function = 'A_SAVE'
*                               quickinfo = 'Save'
*                               icon      = '@F_SAVE@' ) INTO e_object->mt_toolbar INDEX 1.

" Option 5.
*e_object->mt_toolbar = VALUE #( ( function = 'A_SAVE'
*                               quickinfo = 'Save'
*                               icon      = '@F_SAVE@' )
*                               ( function = 'A_UND'
*                               quickinfo = 'Undo'
*                               icon      = '@F_UND@' )
*                               ( function = 'A_EXIT'
*                               quickinfo = 'Save'
*                               icon      = '@F_EXIT@' ) ).

ENDMETHOD.

ENDCLASS.

```

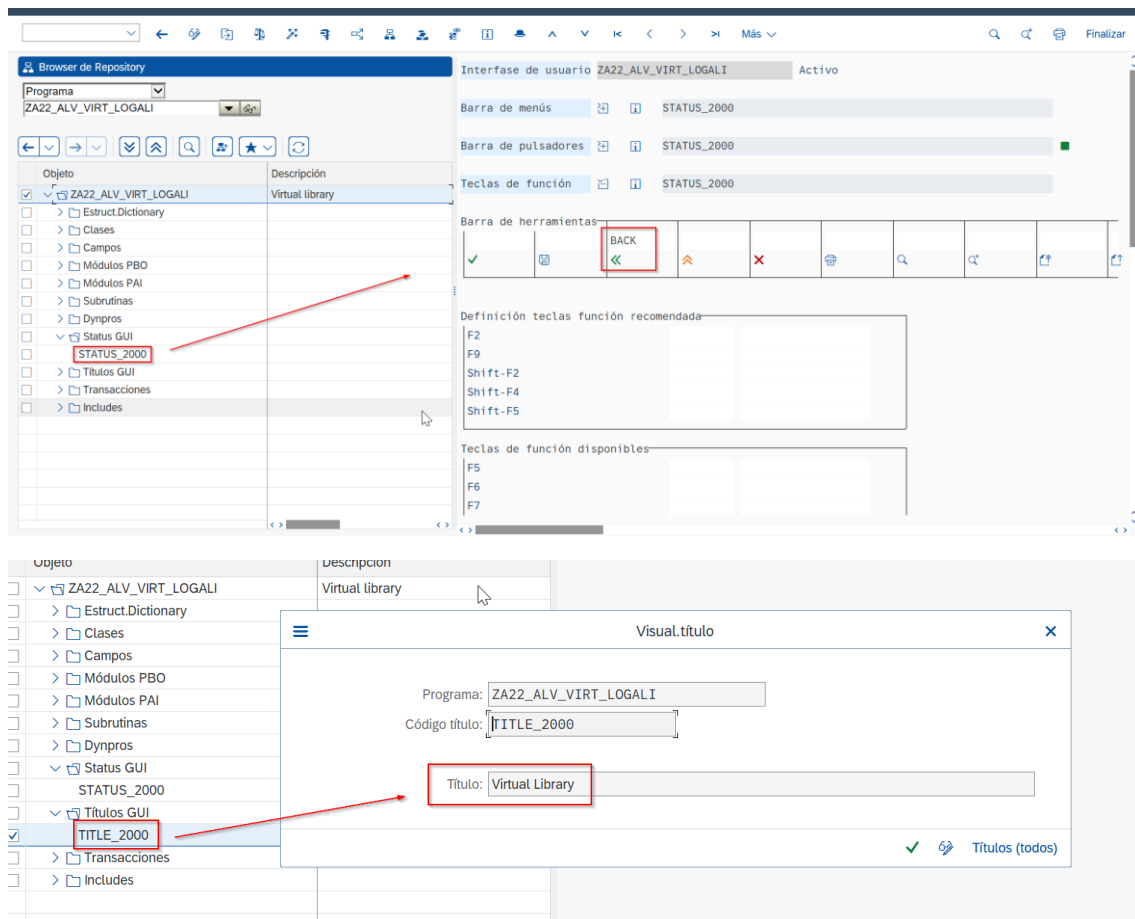
Program ZA22_ALV_VIRT_LOGALI_PBO

```

*&-----*
*& Include          ZA22_ALV_VIRT_LOGALI_PBO
*&-----*
*& Module STATUS_2000 OUTPUT
*&-----*
*&
*&-----*
MODULE status_2000 OUTPUT.
  SET PF-STATUS 'STATUS_2000'.
  SET TITLEBAR 'TITLE_2000'.
ENDMODULE.

*&-----*
*& Module INIT_2000 OUTPUT
*&-----*
*&
*&-----*
MODULE init_2000 OUTPUT.
  PERFORM init_2000.
ENDMODULE.

```



Program ZA22_ALV_VIRT_LOGALI_PAI

```

*&-----*
*& Include          ZA22_ALV_VIRT_LOGALI_PAI
*&-----*
*&-----*
*&      Module  USER_COMMAND_2000  INPUT
*&-----*
*      text
*-----*
MODULE user_command_2000 INPUT.

    ok_code = sy-ucomm. " BACK

    CASE ok_code.
        WHEN 'BACK'.
            LEAVE TO SCREEN 0. " Volver a la pantalla anterior, pero aquí no hay
*      when 'BACK'.
*      when 'BACK'.
        WHEN OTHERS.
            ENDCASE.
    ENDCASE.

ENDMODULE.

```

Program ZA22_ALV_VIRT_LOGALI_F01

```

*&-----*
*& Include          ZA22_ALV_VIRT_LOGALI_F01
*&-----*
*&-----*
*& Form init_2000

```

```

*&-----*
*& text
*&-----*
*& --> p1      text
*& <-- p2      text
*&-----*
FORM init_2000 .

    CHECK NOT ok_code IS INITIAL.

    CASE ok_code.

        WHEN 'FBTN1'.
            PERFORM paper_books.

        WHEN 'UNDO'.
            PERFORM free_container.

        WHEN 'FBTN2'.
            PERFORM e_books.

        WHEN OTHERS.
            ENDCASE.

    ENDFORM.

FORM paper_books.

    " Only instance not exists.
    IF NOT go_alv_paper_lib IS BOUND. " Valid reference

        PERFORM:
            instance_cust_cont,
            build_field_cat,
            get_data,
            instance_alv_lib_paper,
            build_layout,
            set_alv_grid_handlers,
            display_alv_lib_paper.

    ELSE.
        " Refresh Data.
        PERFORM refresh_alv_paper_lib.
    ENDIF.

ENDFORM.

FORM e_books.

ENDFORM.

FORM instance_cust_cont.
*      CREATE OBJECT go_custom_container
*      EXPORTING
**          parent          =
*          container_name = 'CUSCONT'
**          style           =
**          lifetime        = lifetime_default
**          repid           =
**          dynnr           =
**          no_autodef_progid_dynnr =
**  EXCEPTIONS
**      cntl_error          = 1
**      cntl_system_error   = 2
**      create_error        = 3

```

```

**          lifetime_error = 4
**          lifetime_dynpro_dynpro_link = 5
**          others          = 6
*
*      .
*      IF sy-subrc <> 0.
*          MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
*              WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
*      ENDIF.

go_custom_container = NEW #( container_name = 'CUSCONT' ).
ENDFORM.

FORM build_field_cat.

*if sy-uname.

CALL FUNCTION 'LVC_FIELDCATALOG_MERGE'
EXPORTING
*      i_buffer_active          =
*      i_structure_name         = 'ZBI_LIB_LOGALI'
*      i_client_never_display   = 'X'
*      i_bypassing_buffer       =
*      i_internal_tabname       =
CHANGING
*      ct_fieldcat              = gt_fieldcat
EXCEPTIONS
*      inconsistent_interface   = 1
*      program_error            = 2
*      OTHERS                   = 3.
IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
        WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.

*elseif sy.
*
*ENDIF.

ENDFORM.

FORM get_data.

CASE ok_code.

    WHEN 'FBTN1'.

        SELECT FROM zbi_lib_logali
            FIELDS *
            WHERE formato EQ 'P'
            INTO TABLE @gt_paper_books.

    WHEN OTHERS.

ENDCASE.

ENDFORM.

FORM instance_alv_lib_paper.

CREATE OBJECT go_alv_paper_lib
EXPORTING
*      i_shellstyle             = 0
*      i_lifetime               =
*      i_parent                 = go_custom_container
*      i_appl_events            = space

```

```

*      i_parentdbg          =
*      i_applogparent       =
*      i_graphicsparent     =
*      i_name               =
*      i_fcat_complete      = space
*      o_previous_sral_handler =
EXCEPTIONS
    error_cntl_create = 1
    error_cntl_init   = 2
    error_cntl_link    = 3
    error_dp_create    = 4
    OTHERS             = 5.
IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
        WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.

ENDFORM.

FORM display_alv_lib_paper.

    go_alv_paper_lib->set_table_for_first_display(
        EXPORTING
*          i_buffer_active          =
*          i_bypassing_buffer       =
*          i_consistency_check      =
*          i_structure_name         =
*          is_variant               =
*          i_save                   =
*          i_default                = 'X'
        is_layout                  = gs_layout
*          is_print                 =
*          it_special_groups        =
*          it_toolbar_excluding     =
*          it_hyperlink             =
*          it_alv_graphics          =
*          it_except_qinfo          =
*          ir_salv_adapter          =
        CHANGING
        it_outtab                  = gt_paper_books
        it_fieldcatalog            = gt_fieldcat
*          it_sort                  =
*          it_filter                =
        EXCEPTIONS
        invalid_parameter_combination = 1
        program_error                = 2
        too_many_lines                = 3
        OTHERS                        = 4 ).
IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
        WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.

ENDFORM.

FORM refresh_alv_paper_lib.

    go_alv_paper_lib->refresh_table_display(
*      EXPORTING
*          is_stable          =
*          i_soft_refresh     =
        EXCEPTIONS
        finished = 1
        OTHERS   = 2 ).

```



```

IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
        WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.

ENDFORM.

FORM free_container.

    " Validate reference container.
    IF go_custom_container IS BOUND.

        go_custom_container->free(
            EXCEPTIONS
                cntl_error          = 1
                cntl_system_error = 2
                OTHERS              = 3 ).

        IF sy-subrc <> 0.
            MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
                WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
            ENDIF.

            CLEAR go_custom_container.
            CLEAR go_alv_paper_lib.

        ENDIF.

    ENDFORM.

FORM build_layout.

*gs_layout-zebra = abap_true. " abap_on.
*gs_layout-edit  = abap_true. " abap_on.

    gs_layout = VALUE #( zebra = abap_true
                        edit  = abap_true ).

ENDFORM.

FORM set_alv_grid_handlers.


    go_event_alv_grid = NEW #( ).





    " Established Handler.
    SET HANDLER:
        go_event_alv_grid->handle_data_changed FOR go_alv_paper_lib,
        go_event_alv_grid->handle_double_click FOR go_alv_paper_lib,
        go_event_alv_grid->handle_user_command FOR go_alv_paper_lib,
        go_event_alv_grid->handle_toolbar      FOR go_alv_paper_lib.

ENDFORM.

```

Dynpro 2000

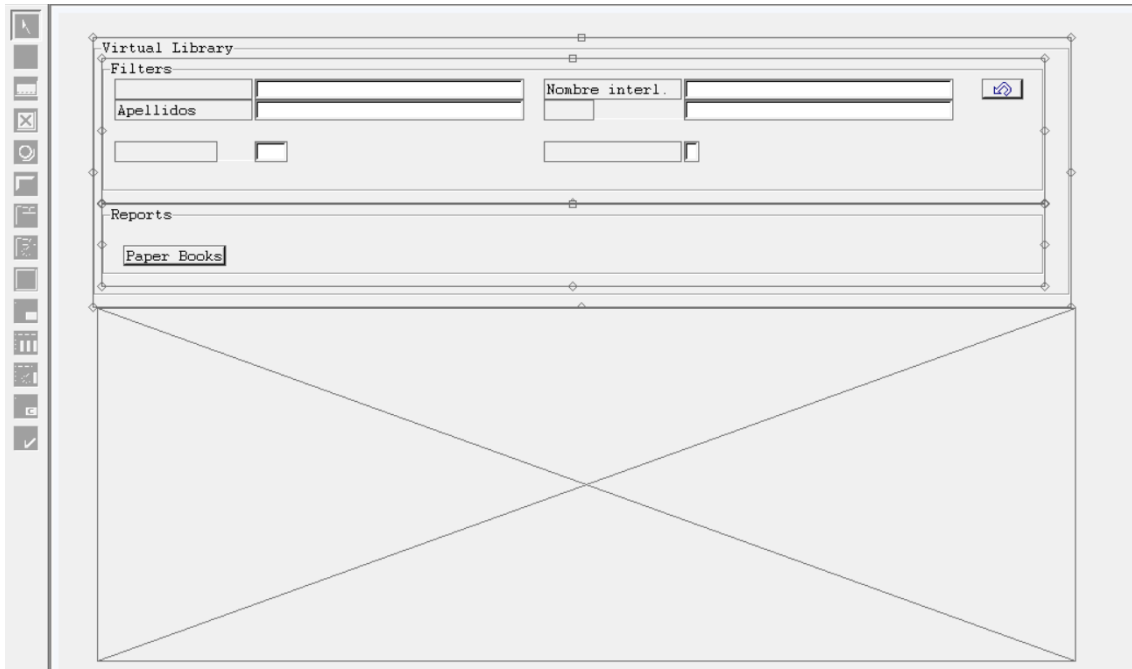


Nº dynpro: 2000 activo

Atributos Lista elem. Lóg.proceso

1	PROCESS BEFORE OUTPUT.
2	MODULE:
3	status_2000,
4	init_2000.
5	
6	PROCESS AFTER INPUT.
7	MODULE user_command_2000.



Browser de Repository

Programa:

Nº dynpro: activo

Atributos **Lista elem.** **Lóg.proceso**

Descripción breve:

Idioma maestro: Inglés Paquete:

Última modificación:

Última generación:

Tipo de dynpro **Opciones**

☒ Normal ☐ Retener datos

☐ Subscreen ☐ Desactivar compr.tempo.ejec.

☐ Ventana diálogo modal ☐ Modelo: No ejecutable

☐ Dynpro selección ☐ Mantener posición desplazam.

☐ S/barr.herram.aplicación

☐ Fiori: Magnificación des.

Otros atributos

Dynpro siguiente:

Atributos **Lista elem.** **Lóg.proceso**

Atrib.gral. **Textos y másc.en./sal.** **Atrib.espec.** **Atrib.visual.** **Grupos modif./Funciones** **Referencias**

J...	N	Nombre	Tipo e...	Lín...	Col.	Lg...	Lg...	Alt...	de...	Fmto.	En...	Sa...	Sólo...	Ca...	Mod...	Lista Prope
		BOX0	Marco	2	4	112	112	13			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		→ P
		BOX1	Marco	3	5	108	108	7			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		→ P
		ZBI CLN LOGALI-ID CLIE	Texto	4	7	15	15	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	→ P
		ZBI CLN LOGALI-ID CLIE	I/O	4	23	30	30	1	<input type="checkbox"/>	CHAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		→ P
		ZBI CLN LOGALI-NOMBRE	Texto	4	56	15	15	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	→ P
		ZBI CLN LOGALI-NOMBRE	I/O	4	72	30	30	1	<input type="checkbox"/>	CHAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	→ P
		UNDO	Push	4	106	4	4	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		→ P
		ZBI CLN LOGALI-APELLID	Texto	5	7	15	15	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	→ P
		ZBI CLN LOGALI-APELLID	I/O	5	23	30	30	1	<input type="checkbox"/>	CHAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	→ P
		ZBI CLN LOGALI-EMAIL	Texto	5	56	5	5	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	→ P
		ZBI CLN LOGALI-EMAIL	I/O	5	72	30	30	1	<input type="checkbox"/>	CHAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		→ P
		ZBI CLN LOGALI-TIPO AC	Texto	7	7	11	11	1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	→ P
		ZBI CLN LOGALI-TIPO AC	I/O	7	23	3	3	1	<input type="checkbox"/>	CHAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		→ P

Transaction za22_alv_virt_logali

Sistema Ayuda

< SAP >

Virtual Library

Más ▾

Virtual Library

Filters

Apellidos:

2

Nombre interl:

\$

Reports

Paper Books

ZA22_ALV_VIRT_LOGALI

SistemaS4H (2) 800

Mandante800

UsuarioMSAA211

Servidor de aplicacionesS4HANA2020

ProgramaZA22_ALV_VIRT_LOGALI

TransacciónZA22_ALV_VIRT_LOGALI

Tiempo de respuesta187 ms

Tiempo de interpretación63 ms

Idas y vueltas/Flushes2/1

Virtual Library

Filters

Apellidos:

Nombre interL:

Reports

#					Prc.vuelo		
<input type="checkbox"/>	21	H LA SOCIEDAD GLOBAL	ANONYMUS	PRISA	ES 250	70.00 USD	P
<input type="checkbox"/>	21	C EL PROFETA: EL JARDIN DEL PROFETA	ANONYMUS	PRISA	ES 250	70.00 USD	P
<input type="checkbox"/>	21	E UN PEQUEÑO PASA PARA UN HOMBRE	ANONYMUS	PRISA	ES 250	70.00 USD	P
<input type="checkbox"/>	21	D EL PROFETA: EL JARDIN DEL PROFETA	ANONYMUS	PRISA	ES 250	70.00 USD	P
<input type="checkbox"/>	06	B ANALISIS NUMERICO	ARAUJO, JOAQUÍN	ABE BOOKS	ES 750	110.05 USD	P
<input type="checkbox"/>	06	A EL PROFETA: EL JARDIN DEL PROFETA	ARAUJO, JOAQUÍN	ABE BOOKS	ES 750	110.05 USD	P

Más

Virtual Library

Filters

Apellidos:

2

Nombre interi.:

5

4

Reports

Paper Books