ZCL_CRM_BAL_LOG_HANDLE   Release 740   Sistema
CDA

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Classe: ZCL_CRM_BAL_LOG_HANDLE
Status: Ativo

Características

Descrição: BAL logging procedures control through the log handle
Geração instância: Público
Não final
Não liberado
Aritmética em ponto fixo
Categoria: Tipo de objeto geral
Pacote: ZCRM
Idioma original: EN
Criado por: P000520
Criado em: 29.12.2014
Última modific. por: P000520
Últ.modificação em: 30.12.2014

Atributos
Atributos protegidos

Atributo	Tp.	Descrição	Tipo ref.	Val.inicial
AV_LOG_HANDLE	Mant	AV_LOG_HANDLE	CTG. BALLOGHNDL	

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Métodos

Métodos públicos

CONSTRUCTOR
Descrição: Creates an object of this type.
Mét.instância
Parâmetro importaç.
  P_HANDLE TYPE BALLOGHNDL (Application Log: Log Handle)

```
  method CONSTRUCTOR.
    me->av_log_handle = p_handle.
  endmethod.
```

PUT_MESSAGES
Descrição: Adds messages to the log.
Mét.instância

Parâmetro importaç.

```
        PT_MSG TYPE BAPIRET2_T  (PT_MSG)
        P_LEVEL TYPE BALLEVEL DEFAULT '1'  (Application Log: Level of
detail)
      Exceções
        CX_BAPI_ERROR  (CX_BAPI_ERROR)

      METHOD put_messages.
        DATA: lo_api   TYPE REF TO lcl_api,
              lx_error TYPE REF TO cx_bapi_error.
```

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```
        lo_api ?=  me->get_api( ).
        TRY .
           lo_api->put_messages( p_handle = me->av_log_handle
                                 pt_msg   = pt_msg
                                 p_level  = p_level          ).
         CATCH cx_bapi_error INTO lx_error.
           RAISE EXCEPTION lx_error.
        ENDTRY.
      ENDMETHOD.

    SAVE_LOG
    Descrição: Saves log messages in the database.
    Mét.instância

    Exceções
      CX_BAPI_ERROR  (CX_BAPI_ERROR)
      METHOD save_log.
        DATA: lo_api   TYPE REF TO lcl_api,
              lx_error TYPE REF TO cx_bapi_error.
        lo_api ?= me->get_api( ).
        TRY .
           lo_api->save_log( me->av_log_handle ).
         CATCH cx_bapi_error INTO lx_error.
           RAISE EXCEPTION lx_error.
        ENDTRY.
      ENDMETHOD.

    GET_API
    Descrição: Returns a API calls mediator.
    Mét.instância

    Parâmetro retorno
      VALUE(RO_API) TYPE REF TO OBJECT  (API calls mediator)
```

```
method GET_API.
  DATA lo_api TYPE REF TO lcl_api.
  lo_api = NEW lcl_api( ).
  IF lo_api IS BOUND.
    ro_api = lo_api.
  ENDIF.
  FREE lo_api.
endmethod.
```

Métodos redefinidos

Tipos locais
" use this source file for any type of declarations (class
" definitions, interfaces or type declarations) you need for
" components in the private section
Definições classes locais

" use this source file for the definition and implementation of
" local helper classes, interface definitions and type

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" declarations
*---
----*
* Specification structure:
*   .Classes:
*   ..OVERVIEW clause: A conceptual description of the class.
*   .Methods and Procedures (Sub-routines):
*   ..REQUIRES clause: states a precondition, e.g., a an
obligation on
*   the client (ie, the caller of the
method).
*   It is a condition over the state in which
the
*   method is invoked. If the precondition
does not
*   hold, the implementation of the method is
free
*   to do anything (including not
terminating,
*   throwing an exception, returning
arbitrary

```
        *                         results, making arbitrary modifications,
etc).
        *     ..EFFECTS clause:  states a postcondition, e.g., an
obligation on
        *                         the implementor of the method. If the
        *                         precondition holds for the invoking
state,
        *                         the method is obliged to obey the
postcondition,
        *                         by returning appropriate values,
        *                         throwing specified exceptions, modifying
or not
        *                         modifying objects, and so on.
        *     ..MODIFIES clause: identifies which objects or data
structures may
        *                         be modified.
        *----------------------------------------------------------------
----*
        *----------------------------------------------------------------
----*
        * Class LCL_API
        *  OVERVIEW: Objects of this class mediates API calls. It aims to
        *            isolate this development from external dependencies,
as
        *            might be desirable in tests.
        *            The instances of this object is provided by the
private
        *            method GET_API of the main class
(ZCL_CRM_BAL_LOG_HANDLE).
        *            By redefining the method GET_API one can  provide
        *            appropriated stubs, which must redefine the desired
methods
        *            of LCL_API, instead of accessing the real APIs.
        *----------------------------------------------------------------
----*
        CLASS lcl_api DEFINITION.
          PUBLIC SECTION.
            METHODS: put_messages IMPORTING p_handle TYPE balloghndl
                                            pt_msg   TYPE bapiret2_t
                                            p_level  TYPE ballevel
                                  RAISING cx_bapi_error,
        *----------------------------------------------------------------
----*
        * Method PUT_MESSAGES
        *----------------------------------------------------------------
----*
        *        REQUIRES: The log handle, the messages to be published
and
        *                  their detail level must be provided.
        *        EFFECTS.: If the API BAL_LOG_MSG_ADD returns an error
raises
        *                  exception CX_BAPI_ERROR.
        *        MODIFIES: Publishes the messages in the log.
        *----------------------------------------------------------------
------*
        * -->  P_HANDLE    Application Log: Log Handle.
        * -->  PT_MESSAGES  Table with messages.
        * -->  P_LEVEL     Application Log: Level of detail.
        *----------------------------------------------------------------
------*
```

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               save_log IMPORTING p_handle TYPE balloghndl
                         RAISING cx_bapi_error.
      *---
----*
      * Method SAVE_LOG
      *---
----*
      *   REQUIRES: The log handle must be provided.
      *   EFFECTS.: If the API BAL_DB_SAVE returns an error raises
      *   exception CX_BAPI_ERROR.
      *   MODIFIES: Saves the messages published in the database.
      *---
------*
      ENDCLASS.
      CLASS lcl_api IMPLEMENTATION.
        METHOD put_messages.
          DATA: lw_msg   TYPE bal_s_msg,
                lw_return   TYPE bapiret2,
                lt_return   TYPE bapiret2_t,
                lvc_dummy(1)   TYPE c.
          LOOP AT pt_msg INTO lw_return.
            m_fill_msg lw_return-type
                       lw_return-id
                       lw_return-number
                       lw_return-message_v1
                       lw_return-message_v2
                       lw_return-message_v3
                       lw_return-message_v4
                       p_level.
            CALL FUNCTION 'BAL_LOG_MSG_ADD'
              EXPORTING
                i_log_handle   = p_handle
                i_s_msg   = lw_msg
              EXCEPTIONS
                log_not_found   = 1
                msg_inconsistent = 2
                log_is_full   = 3
                OTHERS   = 4.
            IF sy-subrc <> 0.
              m_raise_fm_exception sy-msgid sy-msgty sy-msgno
                                   sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
            ENDIF.

```
      ENDLOOP.
    ENDMETHOD.
    METHOD save_log.
      DATA: lt_log_handles TYPE bal_t_logh,
            lvc_dummy(1)   TYPE c,
            lw_return      TYPE bapiret2,
            lt_return      TYPE bapiret2_t.
      APPEND p_handle TO lt_log_handles.
      CALL FUNCTION 'BAL_DB_SAVE'
        EXPORTING
          i_t_log_handle   = lt_log_handles[]
        EXCEPTIONS
          log_not_found    = 1
          save_not_allowed = 2
          numbering_error  = 3
```

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          OTHERS   = 4.
      IF sy-subrc <> 0.
        m_raise_fm_exception sy-msgid sy-msgty sy-msgno
                             sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
      ENDIF.
    ENDMETHOD.
  ENDCLASS.
  Macros
  " use this source file for any macro definitions you need
  " in the implementation part of the class
  DEFINE m_raise_fm_exception.
    message id &1
            type &2
            number &3
            with &4 &5 &6 &7
            into lvc_dummy.
    lw_return-type   = sy-msgty.
    lw_return-id   = sy-msgid.
    lw_return-number   = sy-msgno.
    lw_return-message_v1 = sy-msgv1.
    lw_return-message_v2 = sy-msgv2.
    lw_return-message_v3 = sy-msgv3.
    lw_return-message_v4 = sy-msgv4.
    append lw_return to lt_return.
    raise exception type cx_bapi_error
     exporting
       status = lt_return[].
```

```
        END-OF-DEFINITION.
        DEFINE m_fill_msg.
          lw_msg-msgty    = &1.
          lw_msg-msgid    = &2.
          lw_msg-msgno    = &3.
          lw_msg-msgv1    = &4.
          lw_msg-msgv2    = &5.
          lw_msg-msgv3    = &6.
          lw_msg-msgv4    = &7.
          lw_msg-detlevel = &8.
        END-OF-DEFINITION.
        DEFINE m_msg_add.
          call function 'BAL_LOG_MSG_ADD'
            exporting
              i_log_handle    = &1
              i_s_msg         = &2
            exceptions
              log_not_found   = 1
              msg_inconsistent = 2
              log_is_full     = 3
              others          = 4.
          if sy-subrc <> 0.
            m_raise_fm_exception sy-msgid sy-msgty sy-msgno
                                 sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
          endif.
        END-OF-DEFINITION.
```

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