

Klasse: Z_LDAP_TELEFONBUCH

Status: Aktiv

Eigenschaften

Beschreibung: Buissines Logik zum LDAP Telefonb

Inst.-Erzeugung: Public

Final

Nicht freigegeben

Festpunktarithmetik

Kategorie: Allgemeiner Objekttyp

Entwicklungs-kategorie: ZWABINTRANET

Originalsprache: DE

Angelegt durch: G.WOLF

Angelegt am: 03.09.2002

Attribute

Private Attribute

Attribut	Art	Beschreibung	Bezugstyp	Initialwert
SERVER	Stat	Symbolischer Name des LDAP-Servers	TYPE LDAPSERVER-SERVERID	'DETRTDC01'

Methoden

Öffentliche Methoden

CONSTRUCTOR

Beschreibung: CONSTRUCTOR

Instanzmethode

```

METHOD constructor .
  DATA: holdsess TYPE ldapdefs-hold.
  holdsess = 3600.
*
* LDAP Verbindung aufbauen
*
  CALL FUNCTION 'LDAP_SYSTEMBIND'
    EXPORTING
      serverid          = server
      writeread         = 'R'
* IMPORTING
*   LDAPRC              =
*   BASEDN              =
  CHANGING
    holdsess           = holdsess
  EXCEPTIONS
    no_authoriz        = 1
    config_error       = 2
    nomore_conns       = 3
    ldap_failure       = 4
    not_alive          = 5

```

```

        other_error      = 6
        OTHERS           = 7.
    IF sy-subrc <> 0.
        MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
            WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
    ENDIF.
ENDMETHOD.                                "CONSTRUCTOR

```

LDAP_READ

Beschreibung: Proxy zum Funktionsbaustein LDAP_READ

Instanzmethode

Importing-Parameter

```

VALUE(BASE) TYPE LDAPDEFS-BASE  OPTIONAL (Basisintrag des Verzeichnisbaums)
VALUE(BASE_STRING) TYPE LDAP_DNS  OPTIONAL (Distinguished Name (String))
VALUE(SCOPE) TYPE LDAPDEFS-SCOP  OPTIONAL (Suchtiefe)
VALUE(FILTER) TYPE LDAPDEFS-FILT  OPTIONAL (Suchfilter)
VALUE(FILTER_STRING) TYPE LDAP_FILTS  OPTIONAL (Suchfilter (String))
VALUE(TIMEOUT) TYPE LDAP_TIME  OPTIONAL (Zeitintervall (Sekunden+Mikrosekunden))
VALUE(ATTRIBUTES) TYPE LDAPASTAB  OPTIONAL (Tabelle mit Attributnamen und -typen)

```

Exporting-Parameter

```

VALUE(LDAPRC) TYPE LDAPDEFS-LDRC  OPTIONAL (Returncode)
VALUE(ENTRIES) TYPE LDAPETAB  OPTIONAL (Tabelle mit DN's, Attributen und Werten mehrerer Objekte)

```

Ausnahmen

```

NO_AUTHORIZ (Fehlende Berechtigung)
CONN_OUTDATE (Verbindung veraltet)
LDAP_FAILURE (LDAP Protokollfehler (-> LDAP_LASTERR))
NOT_ALIVE (LDAP Connector reagiert nicht)
OTHER_ERROR (Anderer Fehler bei Aufruf LDAP-Connector)

```

```

METHOD ldap_read .
    CALL FUNCTION 'LDAP_READ'
        EXPORTING
            base          = base
            base_string  = base_string
            scope         = scope
            filter        = filter
            filter_string = filter_string
            timeout       = timeout
            attributes    = attributes
        IMPORTING
            ldaprc       = ldaprc
            entries      = entries
        EXCEPTIONS
            no_authoriz  = 1
            conn_outdate = 2
            ldap_failure = 3
            not_alive    = 4
            other_error  = 5
            OTHERS       = 6.
ENDMETHOD.                                "LDAP_READ

```

UPDATE_TABLE

Beschreibung: Tabelle für Abteilung, Ort und Land aktualisieren

Instanzmethode

```
METHOD update_table .
  DATA:
    it_zldaptmp TYPE TABLE OF zldaptmp,
    wa_zldaptmp LIKE LINE OF it_zldaptmp,
    it_attributes_in TYPE ldapastab,
    wa_attributes_in LIKE LINE OF it_attributes_in,
    it_attributes TYPE ldapaltab,
    wa_attributes LIKE LINE OF it_attributes,
    wa_vals TYPE valstructc,
    l_filter TYPE ldapdefs-filt,
    it_entry TYPE ldapetab,
    wa_entry LIKE LINE OF it_entry,
    wert TYPE valstructc-val.
*
* Auszulesende Parameter
*
  wa_attributes_in-name = 'department'.
  APPEND wa_attributes_in TO it_attributes_in.
  wa_attributes_in-name = 'l'.
  APPEND wa_attributes_in TO it_attributes_in.
  wa_attributes_in-name = 'c'.
  APPEND wa_attributes_in TO it_attributes_in.
*
* Filter
*
  l_filter = '(&(objectClass=person)(sn=*))'.
*
* Daten aus LDAP lesen
*
  CALL METHOD me->ldap_read
    EXPORTING
      base          = 'DC=siteco,DC=net'
      scope         = 2
      filter        = l_filter
      attributes    = it_attributes_in
    IMPORTING
      entries       = it_entry
    EXCEPTIONS
      no_authoriz   = 1
      conn_outdate  = 2
      ldap_failure  = 3
      not_alive     = 4
      other_error   = 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.
*
```

```

* Tabelle aufbauen
*
  LOOP AT it_entry INTO wa_entry.
    LOOP AT wa_entry-attributes INTO wa_attributes.
      LOOP AT wa_attributes-vals INTO wa_vals.
        wert = wa_vals-val.
      ENDLOOP.
      CASE wa_attributes-name.
        WHEN 'department'.
          wa_zldaptmp-name = 'department'.
          wa_zldaptmp-wert = wert.
        WHEN 'l'.
          wa_zldaptmp-name = 'l'.
          wa_zldaptmp-wert = wert.
        WHEN 'c'.
          wa_zldaptmp-name = 'c'.
          wa_zldaptmp-wert = wert.
      ENDCASE.
      COLLECT wa_zldaptmp INTO it_zldaptmp.
      CLEAR: wa_vals, wert.
    ENDLOOP.
  ENDLOOP.
  DELETE FROM zldaptmp.
  INSERT zldaptmp FROM TABLE it_zldaptmp.
ENDMETHOD.                "UPDATE_TABLE

```

GET_TABLE

Beschreibung: Lesen der Inhalte der Tabelle für Abteilung, Ort und Land.

Instanzmethode

Importing-Parameter

VALUE(NAME) TYPE ZLDAPTMP-NAME (Charakterfeld Länge 50)

Exporting-Parameter

VALUE(WERTE) TYPE ZTABLELDAPTMP (Temporäre Tabelle zum Speichern von Abteilung, Ort und Land)

```

METHOD get_table .
  SELECT * INTO TABLE werte FROM zldaptmp
  WHERE name = name.
ENDMETHOD.                "GET_TABLE

```

GET_SELECT_BOX

Beschreibung: Erzeugen einer HTML Select Box

Instanzmethode

Importing-Parameter

SELECTED TYPE STRING

VALUE(NAME) TYPE ZLDAPTMP-NAME (Charakterfeld Länge 50)

Exporting-Parameter

SELECT_BOX TYPE STRING

```

METHOD get_select_box .
  DATA: werte TYPE ztableldaptmp,
        wa_werte LIKE LINE OF werte.

```

*

```

* Wertetabelle holen
*
CALL METHOD me->get_table
EXPORTING
    name = name
IMPORTING
    werte = werte.
*
* Selectbox aufbauen
*
CONCATENATE '<select name="" name ">' INTO select_box.
*
* Ist noch nichts ausgewählt
*
CONCATENATE select_box '<option value=""' INTO select_box.
IF selected IS INITIAL.
    CONCATENATE select_box ' SELECTED="SELECTED"' INTO select_box.
ENDIF.
CONCATENATE select_box '>' INTO select_box.
LOOP AT werte INTO wa_werte.
    CONCATENATE select_box '<option value="' INTO select_box.
    CONCATENATE select_box wa_werte-wert '"' INTO select_box.
*
* Ist ein Wert ausgewählt
*
    IF selected = wa_werte-wert.
        CONCATENATE select_box ' SELECTED="SELECTED"' INTO select_box.
    ENDIF.
    CONCATENATE select_box '>' INTO select_box.
    CONCATENATE select_box wa_werte-wert '</option>' INTO select_box.
ENDLOOP.
CONCATENATE select_box '</select>' INTO select_box.
ENDMETHOD.
"GET_SELECT_BOX

```

GET_TELEFONLISTE

Beschreibung: Erzeugen der Telefonliste

Instanzmethode

Importing-Parameter

VALUE(IT_ENTRY) TYPE LDAPETAB (Tabelle mit DNs, Attributen und Werten mehrerer Objekte)

Exporting-Parameter

VALUE(TELEFONLISTE) TYPE ZTELEFONLISTE (Tabelle der Telefonliste)

```

METHOD get_telefonliste .
DATA: wa_entry LIKE LINE OF it_entry,
      wa_telefonliste LIKE LINE OF telefonliste,
      it_attributes TYPE ldapatab,
      wa_attributes LIKE LINE OF it_attributes,
      wa_vals TYPE valstructc,
      wert TYPE valstructc-val.
CLEAR: wa_entry.
LOOP AT it_entry INTO wa_entry.
    wa_telefonliste-dn = wa_entry-dn.
    wa_telefonliste-name = '&nbsp;'.

```

```
wa_telefonliste-vorname      = '&nbsp;'.
wa_telefonliste-abteilung    = '&nbsp;'.
wa_telefonliste-telefon      = '&nbsp;'.
wa_telefonliste-fax          = '&nbsp;'.
wa_telefonliste-mobile       = '&nbsp;'.
wa_telefonliste-email        = '&nbsp;'.
wa_telefonliste-streetaddress = '&nbsp;'.
wa_telefonliste-company      = '&nbsp;'.
wa_telefonliste-postofficebox = '&nbsp;'.
wa_telefonliste-postalcode   = '&nbsp;'.
wa_telefonliste-st           = '&nbsp;'.
wa_telefonliste-title        = '&nbsp;'.
wa_telefonliste-l            = '&nbsp;'.
wa_telefonliste-c            = '&nbsp;'.
wa_telefonliste-poboxcode    = '&nbsp;'.
wa_telefonliste-kostenstelle = '&nbsp;'.
LOOP AT wa_entry-attributes INTO wa_attributes.
  LOOP AT wa_attributes-vals INTO wa_vals.
    wert = wa_vals-val.
  ENDLOOP.
  CONCATENATE wert '&nbsp;' INTO wert.
  CASE wa_attributes-name.
    WHEN 'sn'.
      wa_telefonliste-name = wert.
    WHEN 'givenname'.
      wa_telefonliste-vorname = wert.
    WHEN 'department'.
      wa_telefonliste-abteilung = wert.
    WHEN 'telephoneNumber'.
      wa_telefonliste-telefon = wert.
    WHEN 'facsimileTelephoneNumber'.
      wa_telefonliste-fax = wert.
    WHEN 'mobile'.
      wa_telefonliste-mobile = wert.
    WHEN 'mail'.
      wa_telefonliste-email = wert.
    WHEN 'streetAddress'.
      wa_telefonliste-streetaddress = wert.
    WHEN 'company'.
      wa_telefonliste-company = wert.
    WHEN 'postOfficeBox'.
      wa_telefonliste-postofficebox = wert.
    WHEN 'postalCode'.
      wa_telefonliste-postalcode = wert.
    WHEN 'st'.
      wa_telefonliste-st = wert.
    WHEN 'title'.
      wa_telefonliste-title = wert.
    WHEN 'l'.
      wa_telefonliste-l = wert.
    WHEN 'c'.
      wa_telefonliste-c = wert.
  * POBOXCODE
    WHEN 'extensionattributel'.

```

```
        wa_telefonliste-poboxcode = wert.
* KOSTENSTELLE
    WHEN 'extensionattribute4'.
        wa_telefonliste-kostenstelle = wert.
    ENDCASE.
    CLEAR: wa_vals, wert.
    ENDLOOP.
    APPEND wa_telefonliste TO telefonliste.
    CLEAR: wa_telefonliste.
    ENDLOOP.
ENDMETHOD.                                "GET_TELEFONLISTE
```

Lokale Typen

```
*** local types for public class Z_LDAP_TELEFONBUCH
*** use this source file for any type declarations (class
*** definitions, interfaces or data types) you need for method
*** implementation or private method's signature of
*** public Z_LDAP_TELEFONBUCH
```

Lokale Klassendefinitionen

```
*** local class implementation for public class
*** Z_LDAP_TELEFONBUCH
*** use this source file for the implementation part of
*** local helper classes
```

Makros

```
*** macros for public class Z_LDAP_TELEFONBUCH
*** use this source file for any macro definitions you need
*** in the implementation part of public Z_LDAP_TELEFONBUCH
```

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