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1 CREATE OR REPLACE PACKAGE BODY ADD_ORS.ADD_TASK_ASSIGN AS
2 addtask_pkb_version cmxlb.cmx_med_str := 'Version 2.0 (2013-03-13 16:32:08)';
3 addtask_dsi_name cmxlb.cmx_med_str := 'ADDApp'; -- Name of
our app
4 addtask_sa_name cmxlb.cmx_med_str := 'TransactionalCustomer'; -- Name of
the SA that will be attached to the task
5 addtask_tbl_name cmxlb.cmx_med_str := 'C_BO_PARTY_ACCT'; -- Name of
the base object table that will be attached to the task data
6 addtask_tsk_type cmxlb.cmx_med_str := 'AssignHier'; --
Task type to use when creating task
7 addtask_x_email cmxlb.cmx_med_str := 'ADD_Data_Stewards_Support@abbott.com'; -- USE
the C_PARAMETER Table Email address to send the exception report to
8 addtask_x_sender cmxlb.cmx_med_str := 'NewCustomerAssignment@abbott.com';
-- Email address of the sender
9 l_mesg varchar2(200);
10 --
11 --Version History:
12 --Version 1.0 (2012-26-06 15:52:00) initial version;
13 --Version 2.0 (2013-03-13 16:32:08) SCK Generate tasks and assign to users based on Area
and ISO Country Code
14 FUNCTION show_version
15 RETURN cmxlb.cmx_med_str
16 AS
17 BEGIN
18 RETURN addtask_pkb_version;
19 END;
20 --
21 --
22 PROCEDURE get_zip
23 (
24 in_party_acct_id varchar2,
25 out_zip_postal_cd OUT varchar2
26 )
27 AS
28 --
29 BEGIN
30
31 SELECT distinct NVL(AD.ZIP_POSTAL_CD, NULL) into out_zip_postal_cd FROM C_BO_PTAC_ADDR x,
C_BO_ADDRESS ad
32 where
33 AD.ROWID_OBJECT = X.ADDR_ID and
34 X.PARTY_ACCT_ID = in_party_acct_id;
35 IF out_zip_postal_cd IS NOT NULL THEN
36 out_zip_postal_cd := ':' || out_zip_postal_cd;
37 END IF;
38
39 END get_zip;
40 PROCEDURE existing_add_tam
41 (
42 in_party_acct_id varchar2,
43 existing_relationships OUT NUMBER
44 )
45 AS
46 BEGIN
47 SELECT COUNT(PA.ROWID_OBJECT) INTO existing_relationships FROM C_BO_PARTY_ACCT PA,
C_HM ACCOUNTS HM , C_HM_ACCTS_PTY_ACCT_REL HPR
48 WHERE PA.ROWID_OBJECT = HPR.ROWID_BO_PARTY_ACCOUNT AND
49 HPR.ROWID_HM_ACCOUNTS = HM.ROWID_OBJECT AND
50 HPR.REL_TYPE_CODE = 'CG1 is parent of Customer' AND
51 HM.ADD_TAM = 'Y' AND
52 PA.ROWID_OBJECT = in_party_acct_id;
53

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54 END existing_add_tam;
55 FUNCTION GET_PARAMETER(in_name VARCHAR2, in_dft VARCHAR2) RETURN VARCHAR2 AS
56     result VARCHAR2(255);
57 BEGIN
58     SELECT VALUE INTO result FROM C_PARAMETERS WHERE NAME = in_name;
59     return result;
60 EXCEPTION
61     WHEN OTHERS THEN
62         RETURN in_dft;
63 END;
64
65 FUNCTION send_mail (in_sender varchar2, in_recepients varchar2, in_subject varchar2,
in_message varchar2)
66     RETURN BOOLEAN
67 AS
68     db_name          VARCHAR2(100) := '';
69 BEGIN
70     select user || ' on ' || sys_context('USERENV', 'DB_NAME') into db_name from dual;
71
72     UTL_MAIL.SEND (
73         sender => in_sender,
74         recipients => in_recepients,
75         subject => in_subject || ' ' || db_name,
76         message => in_message);
77     return TRUE;
78 EXCEPTION
79     WHEN OTHERS THEN
80         dbms_output.put_line('Error sending email: ' || sqlcode || '-' || sqlerrm);
81         cmxut.debug_print (l_mesg);
82         return FALSE;
83 END;
84 --
85 --
86 PROCEDURE exception_report (in_email varchar2)
87 AS
88 cursor c_ptac is
89     select iso_alpha3_cd, count(*) cnt
90     from   c_bo_ptac_txn_div dv, c_bo_party_acct pa
91     where
92         PA.ROWID_OBJECT = DV.PARTY_ACCT_ID and
93         dv.cust_match_status = 'E' and pa.bo_class_code='Transactional Customer'
94     group by iso_alpha3_cd
95     order by 1;
96 --
97 l_count integer := 0;
98 l_body varchar2(6000);
99 l_subject varchar2(100) := 'Exception Report - unassigned countries for ' || to_char(sysdate
, 'MM/DD/YYYY');
100 l_recepients varchar2(255);
101 BEGIN
102     l_body          := 'Country    Unassigned New' || chr(10);
103     l_body:= l_body || '   Code      Customers      ' || chr(10);
104     l_body := l_body || '-----' || chr(10);
105     --
106     FOR r_ptac in c_ptac LOOP
107         l_body := l_body || rpad(' ', 3) || r_ptac.iso_alpha3_cd || rpad(' ', 15) || r_ptac.
cnt || chr(10);
108         l_count := l_count + r_ptac.cnt;
109     END LOOP;
110     IF l_count = 0 THEN
111         -- No exceptions
112         dbms_output.put_line('No exceptions were found');

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113     ELSE
114         l_body := chr(10) || l_body || chr(10) || 'Total unassigned new customers: ' ||
l_count;
115         dbms_output.put_line('Subject: ' || l_subject);
116         dbms_output.put_line(l_body);
117         l_receipients := GET_PARAMETER('TASK Exception Email', addtask_x_email);
118         IF send_mail(addtask_x_sender, l_receipients, l_subject, l_body) THEN
119             dbms_output.put_line('Email sent');
120         ELSE
121             dbms_output.put_line('Error sending email');
122         END IF;
123     END IF;
124 END;
125
126 FUNCTION get_user_for_country(in_cntry_cd varchar2)
127     RETURN cmxlb.cmx_rowid
128 AS
129     l_rowid_cntry cmxlb.cmx_rowid;
130     l_rowid_user cmxlb.cmx_rowid;
131     l_user_name varchar2(50);
132     l_global_loc_cd C_LU_ISO_CNTRY.GLOBAL_LOC_CD%TYPE;
133     l_user_found BOOLEAN;
134     l_area_found BOOLEAN;
135 BEGIN
136     -- Get the rowid and area for the country
137     l_mesg := 'Getting rowid and area for country: ' || in_cntry_cd;
138     dbms_output.put_line(l_mesg);
139     BEGIN
140         SELECT ROWID_OBJECT, GLOBAL_LOC_CD
141         INTO     l_rowid_cntry, l_global_loc_cd
142         FROM     C_LU_ISO_CNTRY
143         WHERE
144             iso_alpha3_cd=in_cntry_cd;
145     EXCEPTION
146         WHEN NO_DATA_FOUND THEN
147             -- Invalid country!
148             l_mesg := 'Country code not found! ' || in_cntry_cd;
149             return NULL;
150     END;
151     -- Get the user associated with the country that has the earliest create date
152     l_mesg := 'Looking for assignment for country: ' || in_cntry_cd || ' rowid country: ' ||
l_rowid_cntry;
153     dbms_output.put_line(l_mesg);
154     l_user_found := FALSE;
155     BEGIN
156         SELECT USER_NAME
157         INTO     l_user_name
158         FROM     (
159             SELECT A.USER_NAME FROM
160             C_BO_DSR_USER A, C_BO_DSR_USER_ISO_CNTRY B
161             WHERE
162                 B.ROWID_ISO_CNTRY=l_rowid_cntry AND
163                 B.ROWID_DSR_USER=A.ROWID_OBJECT AND
164                 NVL(B.DELETED_IND,0)=0 AND
165                 NVL(B.HUB_STATE_IND,1)=1 AND
166                 NVL(A.HUB_STATE_IND,1)=1 AND
167                 A.USER_ENABLED_IND=1
168             ORDER BY B.CREATE_DATE)
169         WHERE ROWNUM < 2;
170         l_user_found := TRUE;
171         l_mesg := 'Country level assignment found, rowid_user: ' || l_rowid_user;
172         dbms_output.put_line(l_mesg);

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173 EXCEPTION
174     WHEN NO_DATA_FOUND THEN
175         l_user_found := FALSE;
176 END;
177 --
178 IF NOT l_user_found THEN
179     -- No active user was found for the country - get the user that has the area
responsibility
180     l_mesg := 'Did not find assignment for country: ' || in_cntry_cd || ' checking
area level ' || l_global_loc_cd;
181     dbms_output.put_line(l_mesg);
182     l_area_found := FALSE;
183     --
184 BEGIN
185     SELECT USER_NAME
186     INTO     l_user_name
187     FROM     (
188                 SELECT A.USER_NAME FROM
189                 C_BO_DSR_USER A, C_BO_DSR_USER_ISO_CNTRY B
190                 WHERE
191                     B.ROWID_ISO_CNTRY IS NULL AND
192                     B.GLOBAL_LOC_CD=l_global_loc_cd AND
193                     B.ROWID_DSR_USER=A.ROWID_OBJECT AND
194                     NVL(B.DELETED_IND,0)=0 AND
195                     NVL(B.HUB_STATE_IND,1)=1 AND
196                     NVL(A.HUB_STATE_IND,1)=1 AND
197                     A.USER_ENABLED_IND=1
198                 ORDER BY B.CREATE_DATE)
199     WHERE ROWNUM < 2;
200     l_area_found := TRUE;
201     l_mesg := 'Area level assignment found, rowid_user: ' || l_rowid_user;
202     dbms_output.put_line(l_mesg);
203 EXCEPTION
204     WHEN NO_DATA_FOUND THEN
205         l_area_found := FALSE;
206 END;
207 --
208 --
209 END IF;
210 IF NOT (l_area_found or l_user_found) THEN
211     BEGIN
212         l_mesg := 'Did not find either country or area level assignment for country: ' ||
in_cntry_cd;
213         dbms_output.put_line(l_mesg);
214         cmxut.debug_print (l_mesg);
215         return NULL;
216     END;
217 END IF;
218 --
219 BEGIN
220     l_mesg := 'Looking up user: ' || l_user_name;
221     dbms_output.put_line(l_mesg);
222     cmxut.debug_print (l_mesg);
223     SELECT ROWID_USER
224     INTO     l_rowid_user
225     FROM     C_REPOS_USER
226     WHERE
227         user_name = l_user_name;
228 EXCEPTION
229     WHEN NO_DATA_FOUND THEN
230         l_mesg := 'User not found in C_REPOS_USER! : ' || l_user_name;
231         dbms_output.put_line(l_mesg);

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232             cmxut.debug_print (l_mesg);
233             return NULL;
234
235         END;
236     RETURN l_rowid_user;
237 END;
238 --
239 PROCEDURE add_assign_tasks(
240     in_max_tasks IN INT,
241     out_unassigned_task_count OUT INT,
242     out_assigned_task_count OUT INT,
243     out_error_msg OUT cmxlb.cmx_message,
244     out_return_code OUT INT)
245 AS
246     -- 20130313 SCK Generate tasks and assign to users based on Area and ISO Country
247     Code
248     lock_applied BOOLEAN;
249     l_rowid_sa cmxlb.cmx_rowid;
250     l_rowid_tbl cmxlb.cmx_rowid;
251     l_rowid_user cmxlb.cmx_rowid;
252     l_task_title cmxlb.cmx_big_str;
253     l_rowid_task cmxlb.cmx_rowid;
254     l_match_status char(1);
255     zip_postal_cd varchar2(36);
256     dueDateDay NUMBER;
257     existing_relationships NUMBER;
258     --
259     CURSOR c_txn
260     IS
261         SELECT TX.TXN_DIV_CD,
262                TX.CUST_MATCH_STATUS,
263                TX.ROWID_OBJECT,
264                TX.PARTY_ACCT_ID,
265                TX.HUB_STATE_IND,
266                PA.CUST_NBR_PK,
267                PA.CUST_NM,
268                PA.ISO_ALPHA3_CD
269     FROM C_BO_PTAC_TXN_DIV TX, C_BO_PARTY_ACCT PA
270     WHERE TX.PARTY_ACCT_ID = PA.ROWID_OBJECT AND
271           TX.CUST_MATCH_STATUS IN ('N', 'E') AND
272           TX.TXN_DIV_CD = 'ADD' AND
273           NVL(TX.HUB_STATE_IND,1) = 1
274     FOR UPDATE ;
275     --
276     BEGIN
277         dueDateDay := TO_NUMBER (GET_PARAMETER ('DUE DATE DAYS', '7'));
278         l_mesg := 'due days: ' || dueDateDay;
279         BEGIN
280             SELECT rowid_subject_area
281             INTO l_rowid_sa
282             FROM c_repos_subject_area
283             WHERE dsi_name = addtask_dsi_name AND name = addtask_sa_name;
284         END;
285         l_mesg := l_mesg || ' sa: ' || TRIM(l_rowid_sa);
286         BEGIN
287             SELECT rowid_table
288             INTO l_rowid_tbl
289             FROM c_repos_table
290             WHERE table_name = addtask_tbl_name;
291         END;
292         l_mesg := l_mesg || ' table: ' || TRIM(l_rowid_tbl);
293         dbms_output.put_line(l_mesg);
294         cmxut.debug_print (l_mesg);

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293         FOR r_txn IN c_txn LOOP
294             existing_add_tam(r_txn.PARTY_ACCT_ID, existing_relationships);
295             l_mesg := 'tam_relates: ' || existing_relationships;
296             IF existing_relationships = 0 THEN
297                 l_rowid_user := get_user_for_country(r_txn.iso_alpha3_cd);
298                 l_mesg := l_mesg || ' user_iso: ' || TRIM(l_rowid_user) || ' _' ||
r_txn.iso_alpha3_cd;
299                 IF l_rowid_user IS NULL THEN
300                     l_match_status := 'E';
301                 ELSE
302                     get_zip(r_txn.PARTY_ACCT_ID, zip_postal_cd);
303                     BEGIN
304                         l_task_title := r_txn.cust_nbr_pk || ':' || r_txn.cust_nm
|| ':' || r_txn.iso_alpha3_cd || zip_postal_cd;
305                         l_mesg := 'Creating task with title: ' || l_task_title ||
' for rowid_user: ' || l_rowid_user;
306                         dbms_output.put_line(l_mesg);
307                         cmxut.debug_print (l_mesg);
308                         l_rowid_task := c_repos_task_seq.nextval;
309                         --
310                         l_mesg := 'Inserting into c_repos_task_assignment';
311                         dbms_output.put_line(l_mesg);
312                         cmxut.debug_print (l_mesg);
313                         INSERT INTO c_repos_task_assignment (rowid_task, rowid_user
, rowid_subject_area, task_type, task_comment, due_date, creator, updated_by, status, title,
rowid_workflow_process)
314                             VALUES (l_rowid_task, l_rowid_user, l_rowid_sa,
addtask_tsk_type, 'A new customer has been introduced into MDM and may require Hierarchy
maintenance (Row ID: ' || r_txn.PARTY_ACCT_ID || ')', trunc(sysdate+dueDateDay), user, user,
'OPEN', l_task_title, l_rowid_task);
315                         END;
316                         -- Create task data
317                         BEGIN
318                             l_mesg := 'Inserting into c_repos_task_data';
319                             dbms_output.put_line(l_mesg);
320                             cmxut.debug_print (l_mesg);
321                             INSERT INTO C_REPOS_TASK_DATA (ROWID_OBJECT, ROWID_TABLE,
ROWID_TASK, ROWID_TASK_DATA)
322                                 VALUES (r_txn.PARTY_ACCT_ID, l_rowid_tbl, l_rowid_task,
c_repos_task_data_seq.nextval);
323                             END;
324                             l_match_status := 'A';
325                         END IF;
326                     ELSE
327                         l_match_status := 'A';
328                     END IF;
329                     l_mesg := l_mesg || ' c_m_status: ' || l_match_status;
330                     dbms_output.put_line(l_mesg);
331                     cmxut.debug_print (l_mesg);
332                     --
333                     UPDATE C_BO_PTAC_TXN_DIV
334                     SET CUST_MATCH_STATUS = l_match_status
335                     WHERE ROWID_OBJECT = r_txn.rowid_object;
336                     --
337                     UPDATE C_BO_PTAC_TXN_DIV_XREF
338                     SET CUST_MATCH_STATUS = l_match_status
339                     WHERE ROWID_OBJECT = r_txn.rowid_object;
340                 END LOOP;
341                 COMMIT;
342                 exception_report(addtask_x_email);
343             EXCEPTION
344

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345         WHEN OTHERS THEN
346             dbms_output.put_line(l_mesg);
347             cmxut.debug_print (l_mesg);
348             dbms_output.put_line(sqlcode || '-' || sqlerrm);
349             cmxut.debug_print (sqlcode || '-' || sqlerrm);
350             out_error_msg := 'ERROR ' || l_mesg || '::' || sqlcode || '-' || sqlerrm;
351             out_return_code:=-10222;
352         END;
353     END ADD_TASK_ASSIGN;
354 /
355
```