

## APAR PM17673: Required Action

**Installation Notes:** The application of the PTFs associated with APAR PM17673 change the RACF resource name which is checked when a updateable view is used in an INSERT, UPDATE, or DELETE operation.

Application plans and packages that were bound with the RACF Access Control Module (DSNXRXAC) controlling access for views which are used for INSERT, UPDATE, or DELETE must be rebound.

Note: This may change your access path.

You can use the query in Figure 1 to identify the plans which need to be rebound, The query in Figure 2 identifies the packages which need to be rebound.

```
SELECT DISTINCT DNAME FROM SYSIBM.SYSPLANDEP A
WHERE A.BTYPE = 'V' AND
      EXISTS (SELECT 1 FROM SYSIBM.SYSTABAUTH B
              WHERE A.DNAME          = B.GRANTEE AND
                    B.GRANTEETYPE    = 'P'      AND
                    B.COLLID          = ' '      AND
                    (B.INSERTAUTH <> ' '      OR
                     B.DELETEAUTH <> ' '      OR
                     B.UPDATEAUTH <> ' ' ) );
```

Figure 1: Query to find Plans which have INSERT, UPDATE, or DELETE Statements on Views

```
SELECT DISTINCT DCOLLID, DNAME FROM SYSIBM.SYSPACKDEP A
WHERE A.BTYPE = 'V' AND
      EXISTS (SELECT 1 FROM SYSIBM.SYSTABAUTH B
              WHERE A.DCOLLID        = B.COLLID AND
                    A.DNAME          = B.GRANTEE AND
                    B.GRANTEETYPE    = 'P'      AND
                    (B.INSERTAUTH <> ' '      OR
                     B.DELETEAUTH <> ' '      OR
                     B.UPDATEAUTH <> ' ' ) );
```

Figure 2: Query to find Packages which have INSERT, UPDATE, or DELETE Statements on Views

In addition, the resources checked by the RACF Access Control Module now use the base table information (qualifier, name, optionally column name, and owner) and the view information (qualifier and name) for updateable views. This may require the addition of RACF profiles to cover these new resource names for INSERT, UPDATE, and DELETE operations on views.

The query in Figure 3 lists all of your views and their underlying tables. Any view which has been granted access with an authority of INSERT, UPDATE, and DELETE must now be granted on the base table and view as DSNXRAC is now checking a resource name that consists of the base table and the view for all authorities other than SELECT.

```
WITH CTE(DCREATOR, DNAME, BCREATOR, BNAME, BTYPE, LEVEL) AS
(SELECT D.DCREATOR, D.DNAME, D.BCREATOR, D.BNAME, BTYPE, 1
 FROM SYSIBM.SYSVIEWDEP D
 WHERE D.BTYPE = 'V'
 UNION ALL
 SELECT V.DCREATOR, V.DNAME, D.BCREATOR, D.BNAME, D.BTYPE,
LEVEL+1
 FROM CTE V, SYSIBM.SYSVIEWDEP D
 WHERE V.BCREATOR = D.DCREATOR
 AND V.BNAME = D.DNAME
 AND V.BTYPE = 'V'
 AND LEVEL < 200
 )
SELECT D.DCREATOR, D.DNAME, D.BCREATOR, D.BNAME, BTYPE
 FROM SYSIBM.SYSVIEWDEP D
 WHERE D.BTYPE = 'M' OR
 D.BTYPE = 'T'
 UNION ALL
SELECT DCREATOR, DNAME, BCREATOR, BNAME, BTYPE
 FROM CTE D
 WHERE BTYPE = 'M' OR
 BTYPE = 'T'
```

*Figure 3: Query to find the Tables which are Associated with Views.*