Application Parameters and Settings

For this module, All SQL objects to be prefixed with ‘App’

**Arch Notes and Assumption:**

A user belongs to a Role or a UserGroup or a user

# Table: App.AP

Fields:

IDpk Autonumber ; unique parameter ID

Type int ; default 0; (1 for RO:Application, 0 for RW: User Preferences)

IsRequired bool ; default true; true - if it is a required parameter else false

Category ; Required

CategoryDesc ; to show as tool tip on Category

SubCategory ; Required

SubCategoryDesc ; to show as tool tip on SubCategory

Name ; Name of parameter

NameDesc ; to show as tool tip on Name

Value ; Parameter Value

ValueDesc ; to show as tool tip

Extra ; value in range hints to show or available values, or encryption logic, etc.

DisplayControl ; Edit, Text, Combo, CheckBox, <PopupForm:<Formname>

ChangeEvent ; call event if value changes

# Table: App.APRelation

ServiceID , int

APID, int

**Application Parameters are defined for the Application**

Admin/user can change/customize certain parameters for a Role, or for a usergroup or a user; Customized values for the parameter are stored in Table: Ap.**CustomValues**

# Table: App.CustomValues

Fields:

OwnerType: ; Role|UserGroup|User

OwnerID: ; RoleID|GroupID|UserID

IDfk ; AP.ID

Value ;AP.Value

# AP\_ChangeEventHandler(Err)

Case Category,SubCategory,Name:

If Valid (….)

Else Err = ‘<type actual err msg here>’

Else

Category,SubCategory,Name Err = ‘Event handler not defined for the Event handler, contact developers’

# How to load ApplicationPrametersSet for a ServiceID for a user

GetUserAPForService(UserID, SolID, ServiceID)

{

//Refer to table: APRelation

//Load ALL APIDs for ServiceID from APRelation

//Update AP with CustomValues

APIDList = LoadAPIDListForServiceID(SolID, ServiceID);

Update( LoadAPIDListFor (UserID) where APID in APIDList)

ON APID=APIDLIST.APID

}

# How to LoadAPIDListForServiceID(SolID, ServiceID);

Load APIDSet for owner: Application from Table: AP

CustomSet = Load IDpk, Value for owner: user’s Role

Load IDpk, Value for owner: userGroup and Append/Update CustomSet

Load IDpk, Value for owner: user and Append/Update CustomSet

Now Overwrite ApplicationPrametersSet from CustomValue for User

**DeleteAllCustomValues (OwnerType: Role|UserGroup|User , OwnerID: Role|UserGroup|User)**

{

Delete all records for a owner from Table: **CustomValues**)

}

**Delete CustomValues (IDpk)**

{

Delete record from Table: **CustomValues**

}

**Add CustomValues (IDpk, Value,OwnerType,OwnerID)**

{

Add record to Table: **CustomValues**

}

**Update CustomValues (IDpk, NewValue,OwnerType,OwnerID)**

{

Update record to Table: **CustomValues**

}

**Update Ap.AP (IDpk, NewValue)**

{

Update record to Table: **Ap.AP**

}