**Configuration Management Information System (CMIS)**

**Summary**

The Configuration Management Information System(CMIS) plays a vital role in establishing and maintaining documentation of system information and system changes. CMIS contains the configuration of an information system(s) which represents the system’s components, how each component is configured, and how the components are connected or arranged to implement the information system. System components consist of Servers, Databases, Server Instances, Applications, and Environments. Each with detailed information about the component, ownership, relationships, and sub-objects. As such, there is a need for an application that allows the creation of new entries and the management of pre-existing entries.

**Requirements**

**CMIS Dashboard**

An area that displays the primary functions key. Clicking a Function takes you to its respective location to allowing each user to search, enter, or edit information and maintain users.

**Add New Collection**

* Collection Type- Logical Server, Environment, DBMS, Instance Application
* Acronym or Short Name
* Full Name
* Backup Server- Name of Backup Server is Applicable
* Service Type Provided- Sandbox, Development, Acceptance, Production, Disaster Recovery
* Status-Active or Retired
* Organization- Predefined list of Names, Numbers, or a Combination of Both
* Design Agency Organization- Predefined list of Names, Numbers, or a Combination of Both

**Browse or Search Collection**

* Browse
  + Collection Type- Logical Server, Environment, DBMS, Instance Application
    - Browse or Search: By Type – Any Owner
  + Organization- Predefined list of Names, Numbers, or a Combination of Both
    - Browse or Search: By Owner – Any Type
  + Design Agency Organization- Predefined list of Names, Numbers, or a Combination of Both
    - Browse or Search: By Design Authority – Any Type
  + Browse button
* Search
  + Input Search box- Wildcard Searches included
    - Search on Full Name
    - Search on Active/New Items only
  + Search button

**Edit Entry**

* Acronym or Short Name
* Collection Type- Logical Server, Environment, DBMS, Instance Application
* Full Name
* Status-Active or Retired
* Service Type Provided- Sandbox, Development, Acceptance, Production, Disaster Recovery
* Organization- Predefined list of Names, Numbers, or a Combination of Both
* Design Agency Organization- Predefined list of Names, Numbers, or a Combination of Both
* General
  + User Population
  + Primary Customer
  + Subcontractor Maintainer
  + Description
* Controls/Impacts
  + Functional class-Predefined list
  + Data Classification – U, C, S, TS
  + Mission Essential Rating- Predefined list
* Contacts
  + User Id
  + Name
  + Contact Type
  + Phone Number
  + Location
* Vendor Products
  + Product Name
  + Version
  + Description
  + Classified Information- Yes/No
* SubObjects
  + Type - Predefined list
  + Name
  + Version
  + Classified Information- Yes/No
* Relationships
  + From Service Type
  + From SubObject
  + To Collection
  + To Collection Type
  + To SubObject
  + To Service Type
  + Add button
  + Edit button
  + Delete
* Editors
  + User Id
  + Name
  + Access Level
  + Phone Number
  + Location
  + Add button
  + Edit button
  + Delete
* Specific
  + Application
    - Application Subtype- Predefined list
    - User Interface
    - Application Size
    - Total Users
    - Total Concurrent Users
    - Priority
  + Logical Server
    - Backup Server
    - Monitored
    - Responsible group- Predefined list
  + Environment
    - Environment Subtype- Predefined list
    - Backup server
    - Monitor-Yes\No
    - Responsible group- Predefined list
* Add button
* Delete button
* Save button
* Exit button

**Maintain Users**

* Create User- Creates a new user with the following data
  + User ID
  + Name
  + Organization
  + Access Level
* Browse User- Displays a list of All Users and User Information
* Edit User- Change Access Level
* Delete User

**Users**

* CMIS\_Read- Allows Users read only access
* CMIS\_Developer-Allows limited data editing to CMIS data within user’s organization
  + General, Application
* CMIS\_Managaer -Allows Full data editing to CMIS data within user’s organization
* CMIS\_ADMIN- Allows Full CMIS data editing for any organization, and allows editing of user management

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