**Primary Class**

RevCloud 🡪 ✔RevisionDataMgr

Primary starting point

It requests the data from RevitRevisions.Read()

It handles the selecting and sorting of the data requests.

**Data Classes**

RevCloudData2 🡪 ✔RevisionData

The collection of RevisionDataFields indexed by a derived key

NEW: 🡪 ✔RevisionDataFields

The collection of revit revision data for a single revision.

RevDataItems2 🡪 RevisionItems (eliminated)

This is the class that defines the revision data that is placed into the collection.

**Support Classes**

RevData2 🡪 ✔RevitRevisions

>> must be updated for the real revit data <<

.Read(): This collects the data and formats the data in the data items Collection

REVISE:

● Change so that this just returns the data

In the correct format (as a RevisionData object)

● To Static

RevSelectCriteria2 🡪 ✔RevisionFilters

This class defines the criteria (only) for selecting.

This class holds the list of filters

RevExport 🡪 ✔RevisionExportMgr

To only process / handle the export request

REVISE

● Create sub-classes to perform the actual export

Procedure

● To Static

**Utility Classes**

RevisionUtil 🡪 ✔RevisionUtil

Various utility Functions

RevSummary 🡪 ✔RevisionSummary

Summarizes the revision data for presentation in columns to allow selecting what to view / export

RevDataDescription 🡪 ✔RevisionMetaData

Meta data about the information collected including data type, name of the column for the data item, etc. This is an enhancement of EDataFields

RevSort DELETE

move into RevisionUtil

**Enumerations**

RevEnums 🡪 ✔RevisionEnums

Defines some data structures based on the enums

~~● RevisionFilterList An array of EItems that can be filtered~~

~~● ADD list of comparison items that can be filtered using the typical comparisons~~

~~● ADD list of comparison items that can be filtered using the string type comparisons (e.g. is empty) (may apply to them all)~~

The various enums

**●** EItem ✔EDataFields

the ids of the various data items

**~~●~~** ~~EItemUsage EDataUsage~~

~~how the data is used [key, data, mgmt., none]~~

**●** EItemType ✔EDataType

the data type [int, string, etc.]

**●** EItemSource ✔EFieldSource

where the data comes from (to allow revisions) [cloud, tag, derived]

~~● ESelVisibility EVisibility~~

~~The tag / cloud visibility selection options~~

● ESelCompare ✔ECompareOps

Selection comparison operators

Filter DELETE

