**Task 1.62.2 RETS Image Download Oct 8, 2013**

**Task 1.62 RETS Image Download**

* Schedule download to execute daily
* Mainline to be called “rets\_image\_download.php” and located in /public\_html/cronjobs/
* Write process start record to the Process\_Status\_Log table
* Download image data
  + Retrieve all listing photos changed since last download. Get date of last download from Process\_Execution table.
  + Import following fields: IsPrimary, LastUpdated, ListingID, ListingOfficeID, MetrolistListingNumber, PhotoSequenceNum, PhotoUID, SellingOfficeID
* Download photos changed since last download
  + Define a directory structure that limits the number of files per directory to 2000 files
  + Store photo jpg image to subfolders under “/public\_html/cronjobs/photos/”
  + All photos for a single listing (ListingID) are all stored in the same subfolder
  + Insert Image data into Location\_Photo table (thumbnails)
    - Photo\_id int(10) primary key auto increment
    - Location\_id int(10) Real\_Location foreign key (updated downstream)
    - Property\_id int(10) Real\_Listing foreign key (updated downstream)
    - ListingID int(10) RETS foreign key
    - Seqno char(4) Photo sequence number
    - Caption text Photo caption (updated downstream)
    - TextSum char(10) Check sum for Caption text (updated downstream)
    - PhotoThumb blob encode (base64 encoded) image thumbnail (width: 150px)
    - Modified Timestamp Date/Time of last update
    - Entered DateTime of record insert

Note: ListingID+Seqno should also be unique

* + Insert fullsize image into Location\_PhotoFull table
    - Photo\_id int(10) primary key comes from Location\_Photo
    - Photo blob encode (base64 encoded) image fullsize
    - Filename char(50) Filename root (ie. No extension)
    - Ext char(3) File extension (ie. jpg)
    - Modified Timestamp Date/Time of last update
    - Entered DateTime of record insert
  + Insert/Update Real\_Photo table with the following
    - ListingID MLS ListingID
    - PhotoCount Number of Photos stored for this ListingID
    - Folder Subfolder (folder root “public\_html/cronjobs/photos/” not stored)
    - Modified Timestamp Date/Time of last update
    - Entered DateTime of record insert
* Writeprocess end record to the Process\_Status\_Log table