Ticket 23: Support for RSP taggin

Group 3 - Jonathan Velasco May 25, 2008

Abstract

Matthew said RSP uses their naming convention for files, internally. This is a general ticket on how files should be tagged. A couple of suggestions is to use key-values pairs as metadata (minutes 20 March 2008)

1 Tasks

In order to implement this ticket, the task to be done are:

- Study and understand of the current code 3 hours
- Elaboration of design 2 hours
- Implementation and Coding 1.5 to 4.5 hours
 - Modifying the database 1 hours +/- 0.5 hour
 - Allow user to search through tags 1 hour +/- 0.5 hour
 - Populate the table 1 hours +/-0.5 hour
- Tests
 - Run existing tests and check coverage
 - Test the modifications which are not cover on the existing test. 0 hour to 2 hour depending of existing tests

This ticket will be ideally be completed between 6.5 and 9.5 hours

2 Design

In order to address this ticket, some extra columns had been added to the 'file' table in the database. See figure 1

The column added are 'job', 'sequence' and 'shot'. Each file in RSP will be under a specific directory structure, therefore, the information related to the 'job', 'sequence' and 'shot' is extracted from the path of such file.

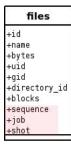


Figure 1: New 'file' table

```
1 # Add a new columns 'sequence', 'job' and 'shot' to table files
2# for tag support for RSP name convention
3 class AddRspTagToFiles < ActiveRecord::Migration
    def self.up
4
      add_column :files, :sequence, :string
                                  .:string
6
7
8
      add_column :files, :job
      add_column :files, :shot
                                   , :string
9
10
    def self.down
      remove_column :files, :sequence
11
12
      remove_column :files, :job
13
      remove_column :files, :shot
14
    end
15 end
```

Figure 2: File to add the extra columns into the 'file' table

3 Modifications Done

- In order to include the extra columns 'job', 'sequence' and 'shot' in the 'file' table, the file $earth/db/migrate/060_add_rsp_tag_to_files.rb$ had been created. See figure 2. This task took aprox 30 minutes
- In order to allow the user to search through 'job', 'sequence' and/or 'shot', the file $earth/app/views/browser/_breadcrumb_and_filter.html.haml$ was modified as showed in figure 3. This changes are reflected in figure 4. This took aprox 30 minutes
- In order to populate the new columns in the 'file' table, some changes in $earth/lib/earth_plugins/file_monitor.rb$ where done as show in figure 5. The time expended in order to understand which file to change and how to do it was aprox 7 hours. After finding where the changes should be done, the time coding was aprox 10 minutes
- In order to execute the search, some lines were added to the file earth/app/models/earth/file.rb in order to return only the files matching the searching criteria of the user. See figure 6. This took aprox 20 minutes

Figure 3: Modifications to allow the user to search by 'job', 'sequence' and or 'shot'



Figure 4: Incorporation of extra fields for searching by RSP directory structure convention

```
# Jon: Include 'job' and 'sequence' into the table 'files'

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```

Figure 5: Changes done to file_monitor.rb

```
# JON - support for job
filter_job = params[:filter_job]
filter_job = params[:filter_job]

# JON - end

# JON - support for sequence
filter_sequence = params[:filter_sequence]
filter_sequence = params[:filter_sequence]
filter_sequence = "" if filter_sequence.blank?

# JON - support for shot
filter_shot = params[:filter_shot]
filter_shot = sequence = "" if filter_shot.blank?

# JON - search files using tags
# search files through job , sequence and shot
elsif filter_job = "" 66 filter_sequence = "" 65 filter_shot != ""

['files_job LIKE ? AND files.sequence LIKE ?", filter_job.tr('"", '%'), filter_sequence.tr('"", '%'), filter_sequence.tr('"", '%')]

# search files through job and sequence
elsif filter_job != "" 66 filter_sequence != ""

['files.shot LIKE ? AND files.sequence != ""

['files.shot LIKE ? AND files.sequence != ""

['files.shot LIKE ? AND files.sequence LIKE ?", filter_job.tr('"", '%'), filter_sequence.tr('"", '%')]

# search files through job
elsif filter_job != "" 66 filter_shot LIKE ?", filter_job.tr('"", '%'), filter_shot.tr('"", '%')]

# search files through job
elsif filter_job != "" 66 filter_shot LIKE ?", filter_job.tr('"", '%'), filter_shot.tr('"", '%')]

# search files through job
elsif filter_job LIKE ?", filter_job.tr('"", '%')]
# search files through sequence
LIKE ?", filter_sequence LIKE ?", filter_shot.tr('"", '%')]
# search files through shot
elsif filter_job LIKE ?", filter_shot.tr('"", '%')]
# search files through shot
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# search files through shot
elsif filter_job LIKE ?", filter_shot.tr('"", '%')]
# search files through shot
elsif filter_job LIKE ?", filter_shot.tr('"", '%')]
# search files through shot
elsif filter_job LIKE ?", filter_
```

Figure 6: Changes made to the file model