Ticket 23: Support for RSP taggin

Group 3 - Jonathan Velasco

May 21, 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 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.

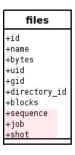


Figure 1: New 'file' table

2 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.

```
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
      add_column :files, :job
 7
      add_column :files, :shot
                                  , :string
 8
 9
    def self.down
10
      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

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

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

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

# the code belong use to be:

# Earth::File.benchmark("Creating file with name #{name}", Logger::DEBUG, !log_all_sql) do

# directory.files.create(:name => name, :stat => stats[name])

# end

# end

# pathArray = "#{directory.path}".split('/')

# seq = pathArray.last

# job = pathArray(lasthArray.length-2]

# Earth::File.benchmark("Creating file with name #{name}", Logger::DEBUG, !log_all_sql) do

# directory.files.create(:name => name, :job => job, :sequence => seq, :shot => name, :stat => stats[name])

# end

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

Figure 5: Changes done to file_monitor.rb

Figure 6: Changes made to the file model