

Ticket 23

“Matthew said RSP uses naming convention for files, internally. This is a general ticket on how files should be tagged...”

(minutes 20th March 2008)

Steps done

- Extend the 'file' table to add a 'job', 'sequence' and 'shot' column
- Extend the filter options on the browser to introduce 'filter by job', 'filter by sequence' and 'filter by shot'
- Extend the 'file model' to allow filtering according to the above

Incorporation of extra columns to the 'file' table

files
+id
+name
+bytes
+uid
+gid
+directory_id
+blocks
+sequence
+job
+shot

'file' table

Incorporation of extra columns to the 'file' table (cont)

```
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
4   def self.up
5     add_column :files, :sequence, :string
6     add_column :files, :job      , :string
7     add_column :files, :shot     , :string
8   end
9
10  def self.down
11    remove_column :files, :sequence
12    remove_column :files, :job
13    remove_column :files, :shot
14  end
15 end
```

earth/db/migrate/060_add_rsp_tag_to_files.rb

Populating job, sequence and shot columns

```
333 # Jon: Include 'job' and 'sequence' into the table 'files'|
334 # the code belong use to be:
335 #     Earth::File.benchmark("Creating file with name #{name}", Logger::DEBUG, !log_all_sql) do
336 #         directory.files.create(:name => name, :stat => stats[name])
337 #     end
338 pathArray = "#{directory.path}".split('/')
339 seq = pathArray.last
340 job = pathArray[pathArray.length-2]
341 Earth::File.benchmark("Creating file with name #{name}", Logger::DEBUG, !log_all_sql) do
342     directory.files.create(:name => name, :job => job, :sequence => seq, :shot => name, :stat => stats[name])
343 end
344 # Jon : End include 'job' and 'sequence' into the table 'files'
```

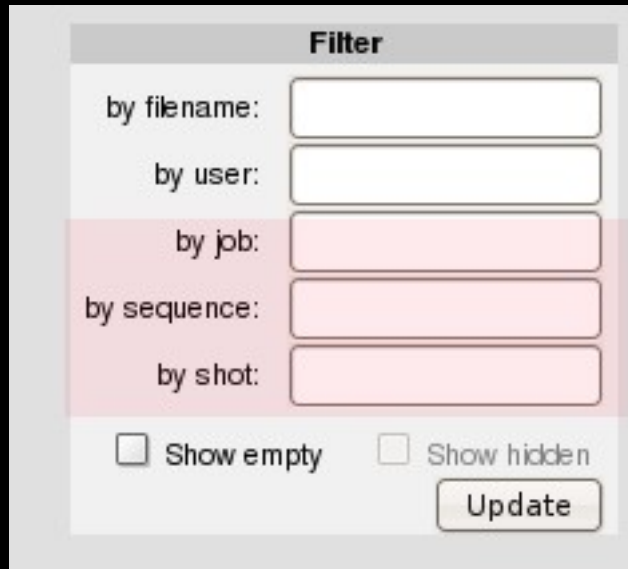
earth/lib/earth_plugins/file_monitor.rb

Adding support for searching

```
30 .Right#Filter{:style => "margin: 1em 0.1em 0 0;"}
31 - form_tag({:overwrite_params => {}}, {:method => 'get'}) do
32   %table
33     %caption Filter
34     %tr
35       %td.first-row{:style => "text-align: right;"}= content_tag :label, "by filename:", "for" => "filter_filename"
36       %td.first-row= text_field_tag "filter_filename", params[:filter_filename], :size => 15
37     %tr
38       %td.second-row{:style => "text-align: right;"}= content_tag :label, "by user:", "for" => "filter_user"
39       %td.second-row= text_field_tag "filter_user", params[:filter_user], :size => 15
40       = auto_complete_stylesheet
41       = content_tag "div", "", :id => "filter_user_auto_complete", :class => "auto_complete"
42       = auto_complete_field "filter_user", :url => {:action => "auto_complete_for_filter_user"}
43     %tr
44       %td.third-row{:style => "text-align: right;"}= content_tag :label, "by job:", "for" => "filter_job"
45       %td.third-row= text_field_tag "filter_job", params[:filter_job], :size => 15
46     %tr
47       %td.fourth-row{:style => "text-align: right;"}= content_tag :label, "by sequence:", "for" => "filter_sequence"
48       %td.fourth-row= text_field_tag "filter_sequence", params[:filter_sequence], :size => 15
49     %tr
50       %td.last-row{:style => "text-align: right;"}= content_tag :label, "by shot:", "for" => "filter_shot"
51       %td.last-row= text_field_tag "filter_shot", params[:filter_shot], :size => 15
52     %tr
```

earth/app/views/browser/_breadcrumb_and_filter.html.haml

Adding support for searching (cont)



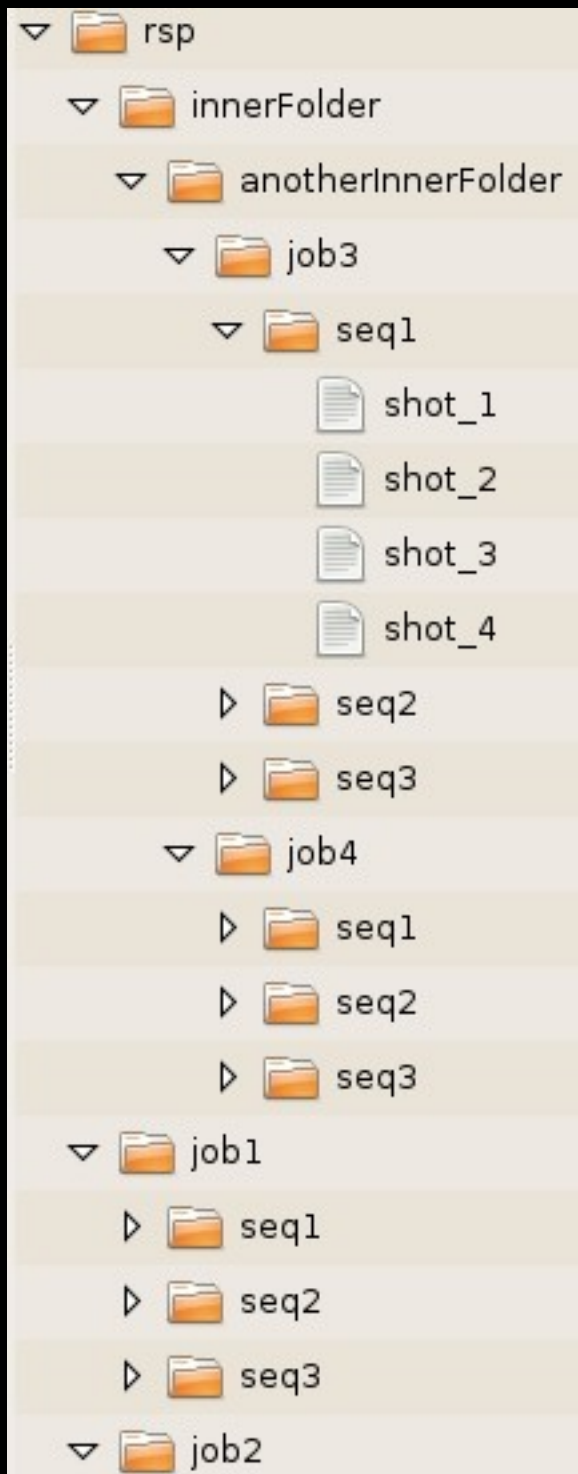
The image shows a 'Filter' dialog box with a title bar. Inside, there are five input fields for filtering: 'by filename:', 'by user:', 'by job:', 'by sequence:', and 'by shot:'. The 'by job:', 'by sequence:', and 'by shot:' fields and their labels are highlighted with a pink background. Below these fields are two checkboxes: 'Show empty' and 'Show hidden', both of which are unchecked. To the right of these checkboxes is an 'Update' button.

Filter	
by filename:	<input type="text"/>
by user:	<input type="text"/>
by job:	<input type="text"/>
by sequence:	<input type="text"/>
by shot:	<input type="text"/>
<input type="checkbox"/> Show empty	<input type="checkbox"/> Show hidden
<input type="button" value="Update"/>	

Earth browser

Doing the search

```
79 # JON - support for job
80 filter_job = params[:filter_job]
81 filter_job = "*" if filter_job.blank?
82 # JON - end
83
84 # JON - support for sequence
85 filter_sequence = params[:filter_sequence]
86 filter_sequence = "*" if filter_sequence.blank?
87 # JON - end
88
89 # JON - support for shot
90 filter_shot = params[:filter_shot]
91 filter_shot = "*" if filter_shot.blank?
92 # JON - end
93
101 # JON - search files using tags
102 # search files through job , sequence and shot
103 elsif filter_job != '*' && filter_sequence != '*' && filter_shot != '*'
104   ["files.job LIKE ? AND files.sequence LIKE ? AND files.shot LIKE ?", filter_job.tr('*', '%'), filter_sequence.tr('*', '%'), filter_shot.tr('*', '%')]
105 # search files through job and sequence
106 elsif filter_job != '*' && filter_sequence != '*'
107   ["files.job LIKE ? AND files.sequence LIKE ?", filter_job.tr('*', '%'), filter_sequence.tr('*', '%')]
108 # search files through shot and sequence
109 elsif filter_shot != '*' && filter_sequence != '*'
110   ["files.shot LIKE ? AND files.sequence LIKE ?", filter_shot.tr('*', '%'), filter_sequence.tr('*', '%')]
111 # search files through job and shot
112 elsif filter_job != '*' && filter_shot != '*'
113   ["files.job LIKE ? AND files.shot LIKE ?", filter_job.tr('*', '%'), filter_shot.tr('*', '%')]
114 # search files through job
115 elsif filter_job != '*'
116   ["files.job LIKE ?", filter_job.tr('*', '%')]
117 # search files through sequence
118 elsif filter_sequence != '*'
119   ["files.sequence LIKE ?", filter_sequence.tr('*', '%')]
120 # search files through shot
121 elsif filter_shot != '*'
122   ["files.shot LIKE ?", filter_shot.tr('*', '%')]
123 # JON - end
124 end
125 end
```

... demo ...

← RSP directory structure simulation