

LiFSBrowse - a Visual, User Environment for the Linking File System

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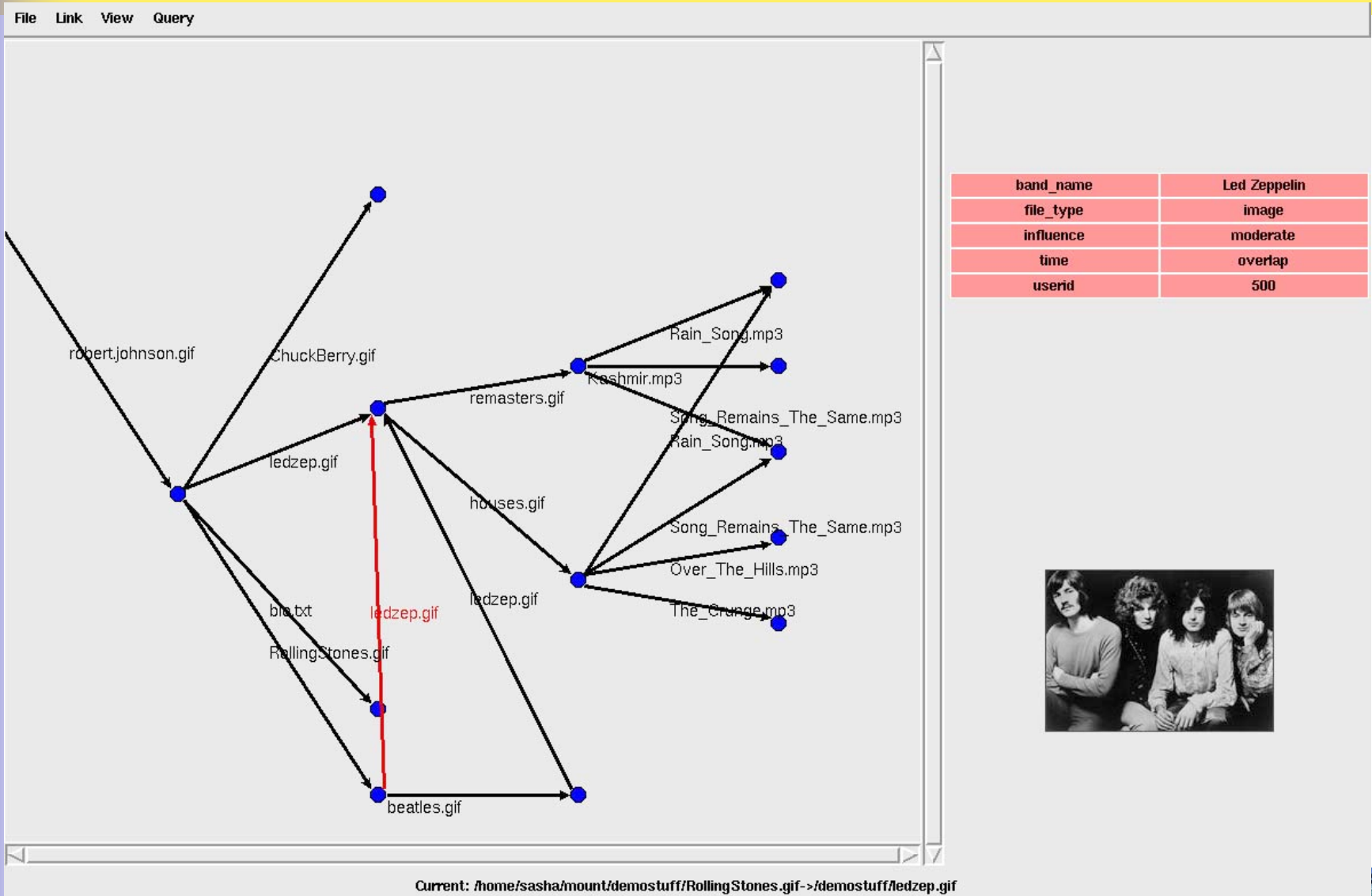


So, why a GUI?

- Better represent complexity of “richer” LiFS metadata
 - More advantageous than conventional file browsers
 - Show relationships (links)
 - Show attributes
- Show whole, global views and partial, local views
- Improved interaction



Example of files and links



Query Example

Keys:	Values:
influence	strong



Query Example

File Link View Query

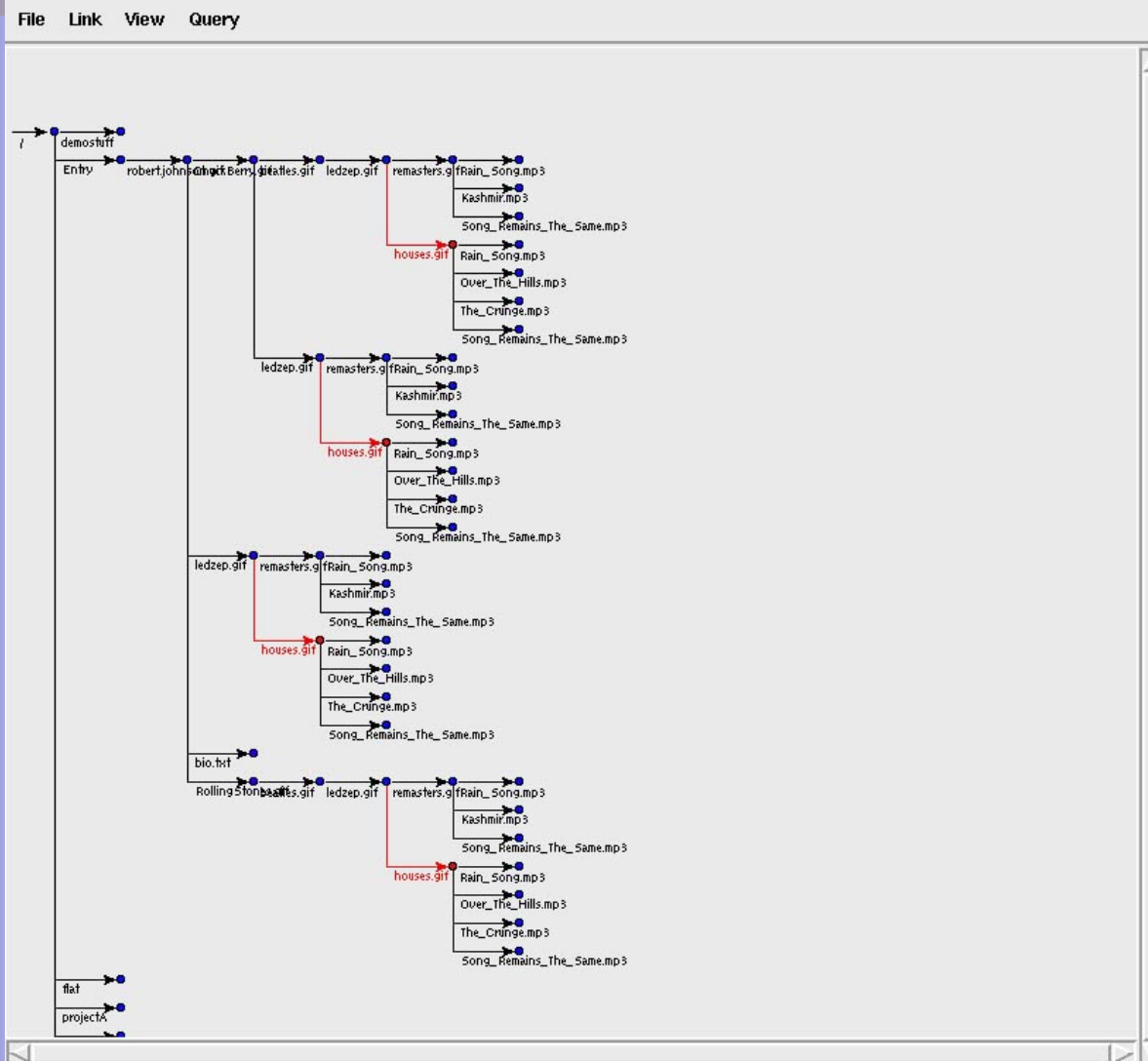
```
graph LR; Root(( )) -- robert johnson.gif --> RS((RollingStones.gif)); RS -- ChuckBerry.gif --> CB((ChuckBerry.gif)); RS -- RollingStones.gif --> RS2((RollingStones.gif)); RS -- ledzep.gif --> LZ((ledzep.gif));
```

Artist_Name	Chuck_Berry
file_type	image
genre	rock&roll
influence	strong
instrument	guitar
userid	500
influence	strong
show	relationship
userid	500

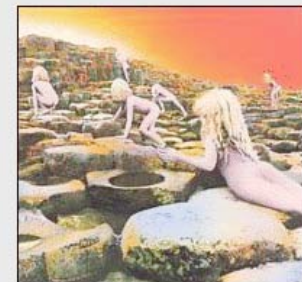
Current: /home/sasha/mount/demostuff/robert.johnson.gif->/demostuff/ChuckBerry.gif



Tree file system view



file_type	image
release_type	LP
title	Houses_of_the_Holy
userid	500
year	1973



Current: /home/sasha/mount/demostuff/ledzep.gif -> /demostuff/houses.gif



Thanks

I would like to thank the MRAM project group for many suggestions and work done on LiFS.

