

# HierarchicalFields

## Using Hierarchical Fields

### Original question from

URL: <http://issues.apache.org/eyebrowse/ReadMsg?listName=lucene-user@jakarta.apache.org&msgNo=7507>

Each document I index has an array of categories which looks like the following example....

**/Science/Medicine/Serology/blood gas**

**/Biology/Fluids/Blood/**

etc.

Anyway, there's a couple things I'm trying to deal with.

1- The fact that we have an undefined array size. I can't just shove these into a single field. I could explode them into multiple fields on the fly like category\_1, category\_2. etc. etc

2- The fact that a search will need to be performed like **"category:/Science/Medicine/\*"** would need to return all items within that category.

### Answer

URL: <http://issues.apache.org/eyebrowse/ReadMsg?listId=30&msgNo=7512>, Erik Hatcher

```
doc.add(Field.Keyword("category", category1));
```

```
doc.add(Field.Keyword("category", category2));
```

```
doc.add(Field.Keyword("category", category/subcategory1));
```

```
doc.add(Field.Keyword("category", category/subcategory2));
```

Note: Be careful of the analyzer you use.

### Alternate answer

URL: <http://issues.apache.org/eyebrowse/ReadMsg?listName=lucene-user@jakarta.apache.org&msgNo=7508>, Tate Avery

Could you put them all into a tab-delimited string and store that as a single field, then use a TabTokenizer on the field to search?