

Payloads

Payloads are byte arrays stored with Terms on Fields.

See <https://issues.apache.org/jira/browse/LUCENE-755>

Use Cases

/* TODO */

Searching For Payloads

/* TODO */

Scoring Payloads

Scoring payloads involves overriding the `Similarity.scorePayload()` method. For example, if one has implemented storing a Float payload, it could be used for scoring in the following way:

```
public float scorePayload(byte [] payload, int offset, int length) {
    assert length == 4;
    int accum = ((payload[0+offset]&0xff)) |
                ((payload[1+offset]&0xff)<<8) |
                ((payload[2+offset]&0xff)<<16) |
                ((payload[3+offset]&0xff)<<24);

    return Float.intBitsToFloat(accum);
}
```

Don't forget to activate your Similarity implementation using `IndexSearcher.setSimilarity()`. Also, note that even then not all queries will actually make use of your method. For example, you will need to use `BoostingTermQuery` instead of `TermQuery`. `QueryParser` currently (Lucene 2.3.2) always uses `TermQuery` and you will need to extend `QueryParser` and overwrite `getFieldQuery()`.

Note, that is just one possible way of scoring a payload. Payloads are application specific. For example payload Token Filters see the payload package in the contrib/Analysis module.