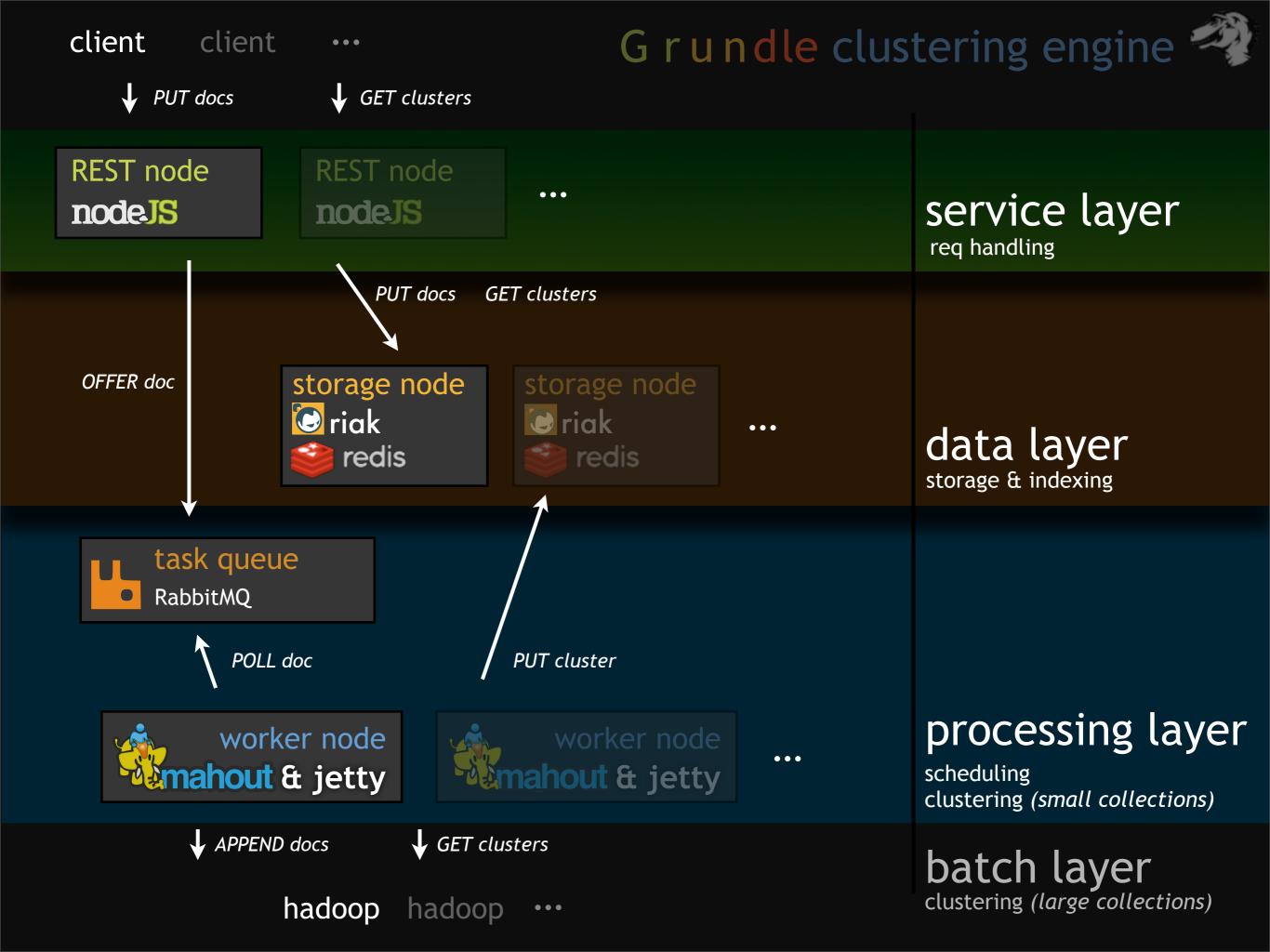
## here be grouperfish





## Grundle clustering engine



## Riak contents

```
"some-ns/docs/some-doc-id": {
    text: "I am a document 2 be clustrd.",
    clusters: {
        "collection-key-x": "label-in-x",
        "collection-key-y": "label-in-y",
        ...
}
},
```

for updates & reconstruction of Redis

```
"some-ns/dictionary/some-collection-key":
    /* binary dictionary file for Mahout */,
"some-ns/vectors/some-collection-key":
    /* binary vectors for Mahout */
"some-ns/centroids/some-collection-key":
    /* binary previous cluster centroids for Mahout */
```

for Mahout. Might want to just use HDFS instead

## Redis contents

```
"clusters/some-ns/some-collection-key":
    ["label-1", "label-2", ..., "label-k"],

"cluster/some-ns/some-collection-key/label-1":
    ["doc-id-1", "doc-id-2", ..., "doc-id-n"],

"size/some-ns/some-collection-key":
    7185,

"lock/some-ns/some-collection-key":
    "pwn3d",

"new/some-ns/some-collection-key":
    ["doc-id-1", "doc-id-2", ...]
```

scheduling & updates