



State of Elasticsearch's Java Clients

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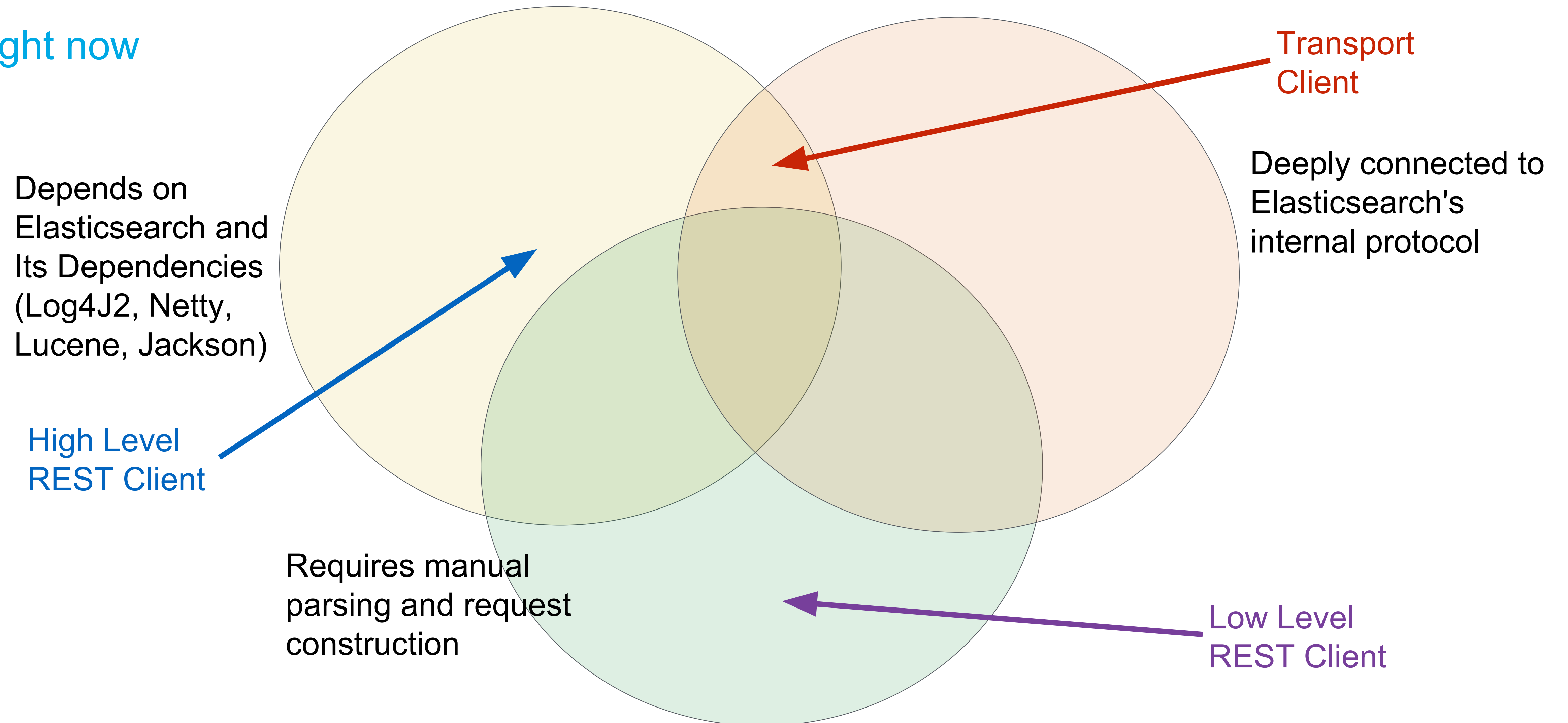
Elastic

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Github: @nik9000

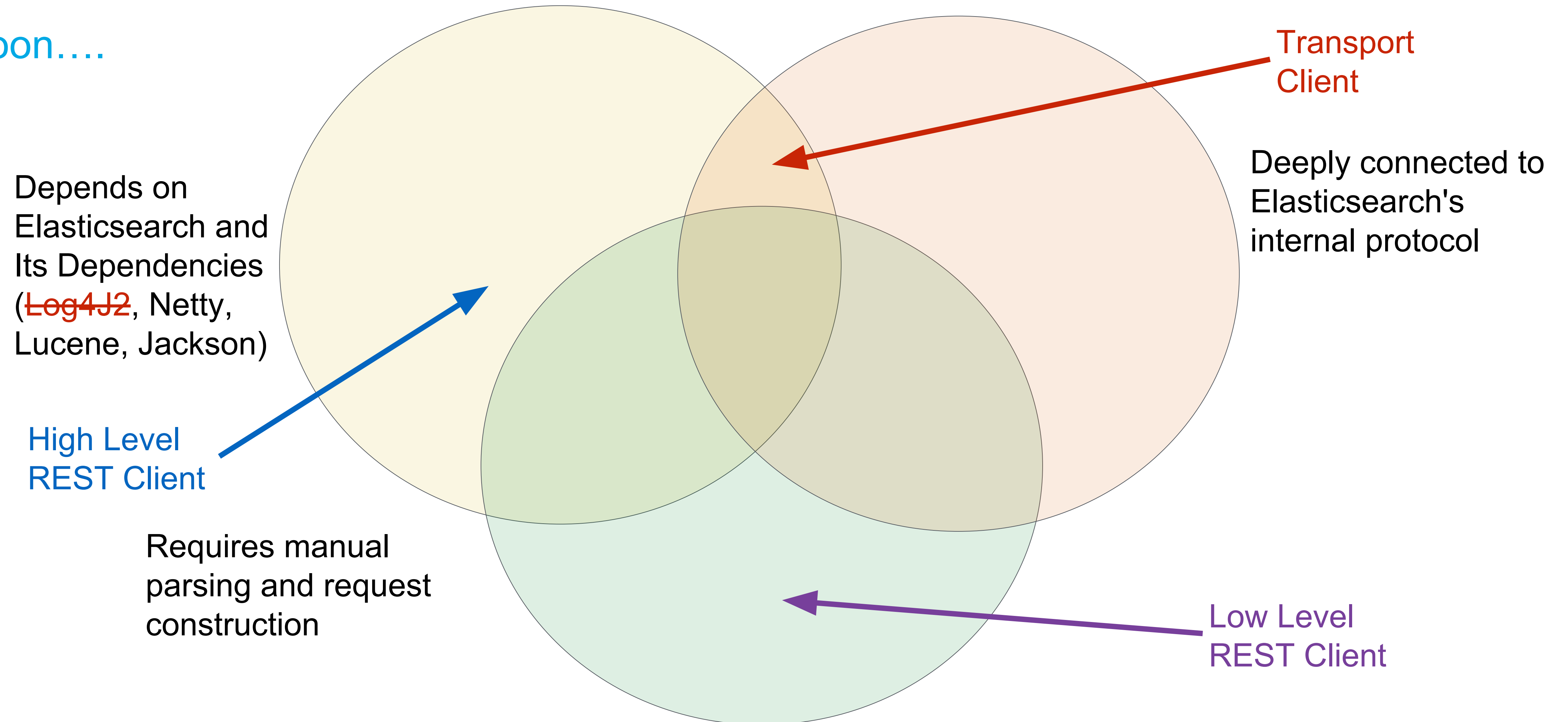
All Java Clients

Right now



All Java Clients

Soon....



High Level REST Client Completeness

Work in progress

- Track at <https://github.com/elastic/elasticsearch/issues/27205>
- You can totally help. Please!
- Lots already done (17/42 Easy, 6/31 Medium, 2/14 Hard, 1/1 Very Hard) (Not including X-Pack APIs)
- Missing:
 - Reindex and friends
 - Flush index, update index settings, force merge, synced flush, clear cache
 - Lots of "cluster" APIs

High Level REST Client Completeness

Wild Speculation: Add APIs where they make sense

```
// Embed APIs where they make sense
// Add reindex to the top level with other document APIs
client.reindex(new ReindexRequest(...

// Continue grouping other APIs where they make sense
client.cluster();           // Built in APIs grouped
client.searchTemplate();    // Some module APIs grouped
```

High Level REST Client Completeness

Wild Speculation: X-Pack APIs merged into main client

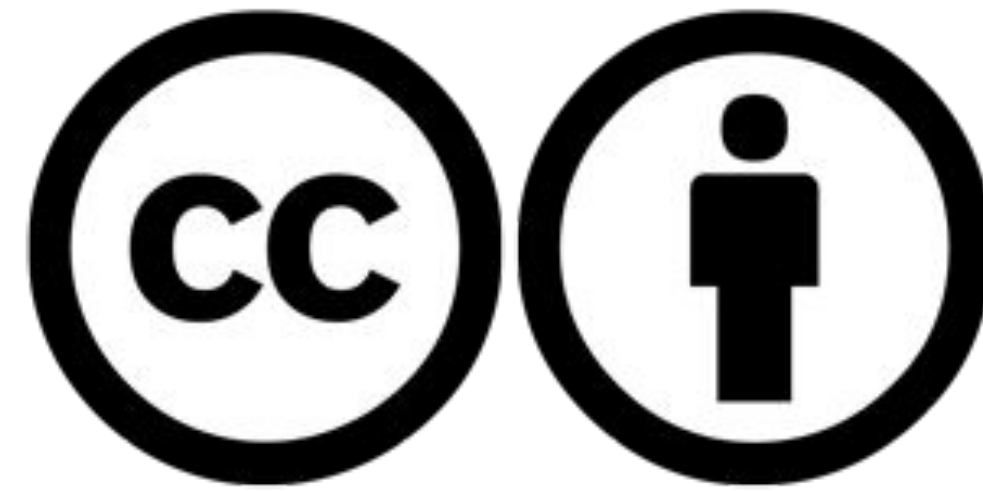
```
// Open source X-Pack's Request and Response objects
// Group all X-Pack APIs based on theme
client.watcher().putWatch(...)
client.security().putUser(...)
client.machineLearning().putJob(...)
client.graph().explore(...)
client.sql().execute(...
```

High Level REST Client Completeness

Wild Speculation: Plugins

```
// Plugins wrap the high level client  
new SomePluginClient(client);  
// Or maybe they are built by it  
client.plugin(SomePluginClient::new);
```

Please attribute Elastic with a link to elastic.co



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