

Table of Contents

Authentication and security.....	1
Performance.....	2

Authentication and security

- Firewall port 9300 for intra-cluster connections only
 - ◆ Puppet exported rule with the tag set from a hiera secret
- Apache on the master node
 - ◆ 443 - https, cern SSO, read-only, authorization on cern e-groups
 - ◇ allowed adding kibana dashboards
 - ◇ TODO? one e-group to add dashboards, another - read-only. May be difficult
 - ◆ 9201 - http, basic auth, read-only, users, groups, passwords in hiera
 - ◇ TODO: https, need cooperation from clients. What clients?
 - ◆ 9202 - http, basic auth, full access, users, groups, passwords in hiera
 - ◇ TODO: https, need cooperation from clients (e.g. MIG writer)
 - ◆ all ports proxy towards localhost:9200
 - ◆ r/o enforced with mod_rewrite on http method + location
 - ◇ what are sometimes considered "writing" GETs can only flush indices and clear caches. In a strictest sense these are write operations, but not really dangerous.

```
/_cache/clear,/_flush,/_optimize,/_refresh,/{index}/_cache/clear,/{index}/_flush
```
 - ◇ "reading" POSTs are provided for compatibility with clients that don't support GETs with payload. Kibana does use POST `/_search`.
 - ◇ we don't make a distinction between administrative POSTs (controlling the cluster) and data write POSTs, write access port provides full access.
- forbid dynamic scripting

```
script.disable_dynamic: true
```

- TODO? index-level separation

- ◆ needs: forbid bulk requests location override

<http://www.elasticsearch.org/guide/en/elasticsearch/reference/current/url-access-control.html>

```
rest.action.multi.allow_explicit_index: false
```

Performance

- index refresh tweak (for faster bulk indexing, but data appears in searches after index refresh only)

```
curl -XPUT localhost:9200/_settings -d '{ "index.refresh_interval": "30s" }'
```

- on nodes half of the memory for java heap, half for cache
 - TODO? bigger nodes?
 - TODO? decouple client and master?
-

This topic: LCG > ElasticsearchKibanaAuthenticationNotes

Topic revision: r6 - 2014-05-26 - IvanKadochnikov



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback