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# Securing Elasticsearch for free: integration with SSO and Kerberos at CC-IN2P3

*Thursday, October 19, 2017 2:00 PM (25 minutes)*

It is now a well-known fact in the *HEPiX* community that the *Elastic* stack (FKA *ELK*) is an extremely useful tool to dive into huge log data entries. It has also been presented multiple times as lacking the security features so often needed in multi-user environments. Although it now provides a plugin addressing some of those concerns, it requires the acquisition of a commercial license.

We present *floragunn*'s *Searchguard*: an *Elasticsearch* plugin that provides authentication, authorization and encryption. It also bundles a *Kibana* plugin that offers multi-tenant views and dashboards.
We then focus on its integration with *Kerberos*, *CAS* (SSO) and *syslog-ng* at *CC-IN2P3*.
If time permits we'll present gotchas and performance considerations.

## Desired length

20

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