

SEARCH GUARD DOCUMENTS

LICENSING MODEL OVERVIEW

01.

OUTLINE

- ▶ Dual licensing model
 - Community Edition (free)
 - Enterprise and Compliance Edition
- ▶ One license per production cluster
- ▶ Unlimited number of nodes
- ▶ Non-productive systems included

02.

SEARCH GUARD IN A NUTSHELL

- ▶ Search Guard is an Open Source security plugin for Elasticsearch
- ▶ Provides TLS encryption on the transport and REST layer
- ▶ Role-based access control for indices, types and fields
- ▶ Pluggable authentication methods
- ▶ Document- and Field-level-security, audit logging
- ▶ Integrates with Kibana, logstash and beats

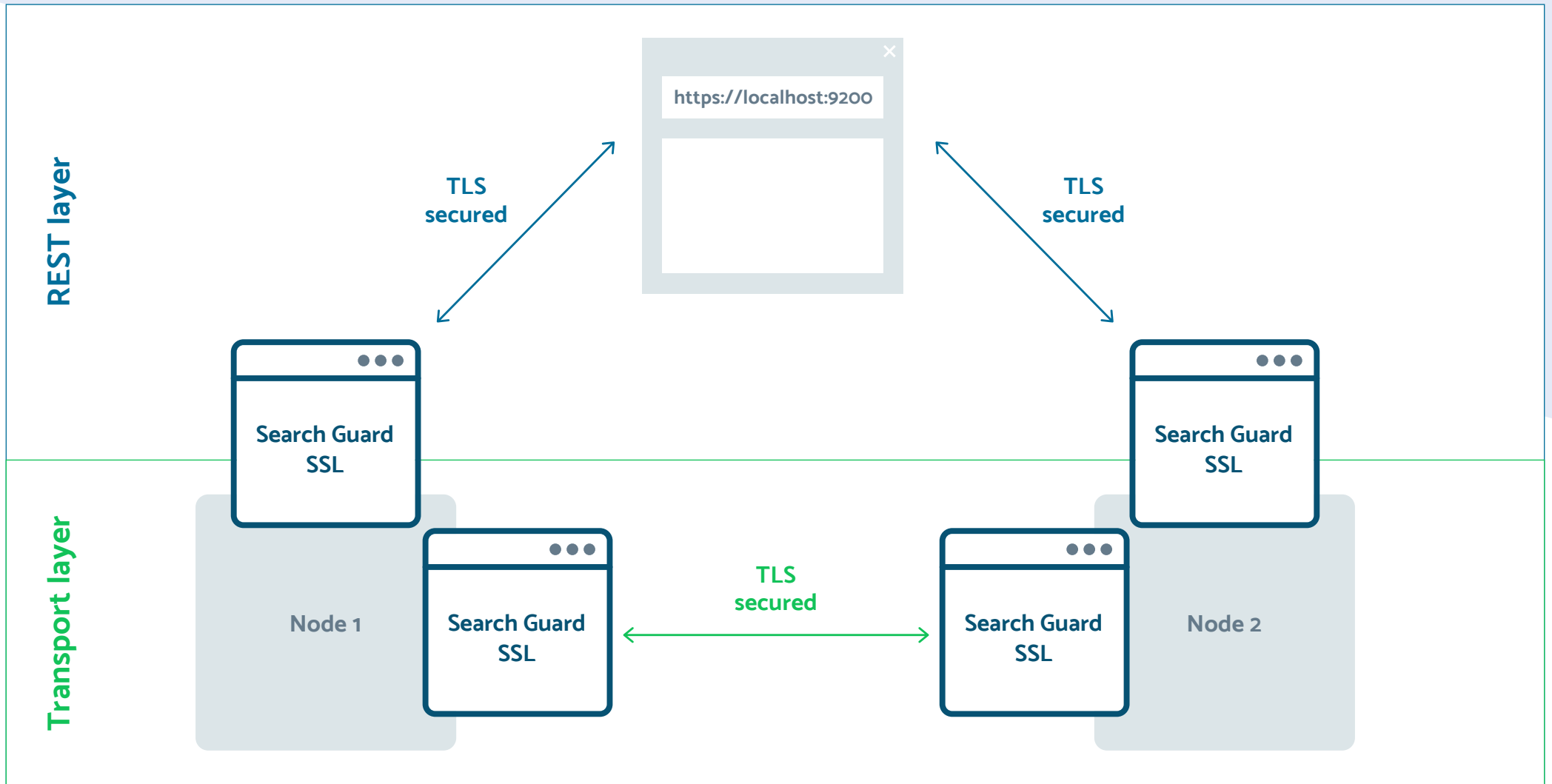
03.

SEARCH GUARD SSL

- ▶ Provides TLS on REST- and Transport layer
- ▶ Encrypts inter-node and HTTP traffic
- ▶ Make sure nobody tampers with your data
- ▶ Make sure only trusted nodes join the cluster
- ▶ Supports OpenSSL for improved performance and modern cipher suites

03.

SEARCH GUARD SSL



04.

SEARCH GUARD

▶ Pluggable authentication and authorisation modules

→ LDAP, Active Directory, Kerberos, JSON web token, Internal user database

→ Proxy and XFF support, User impersonation

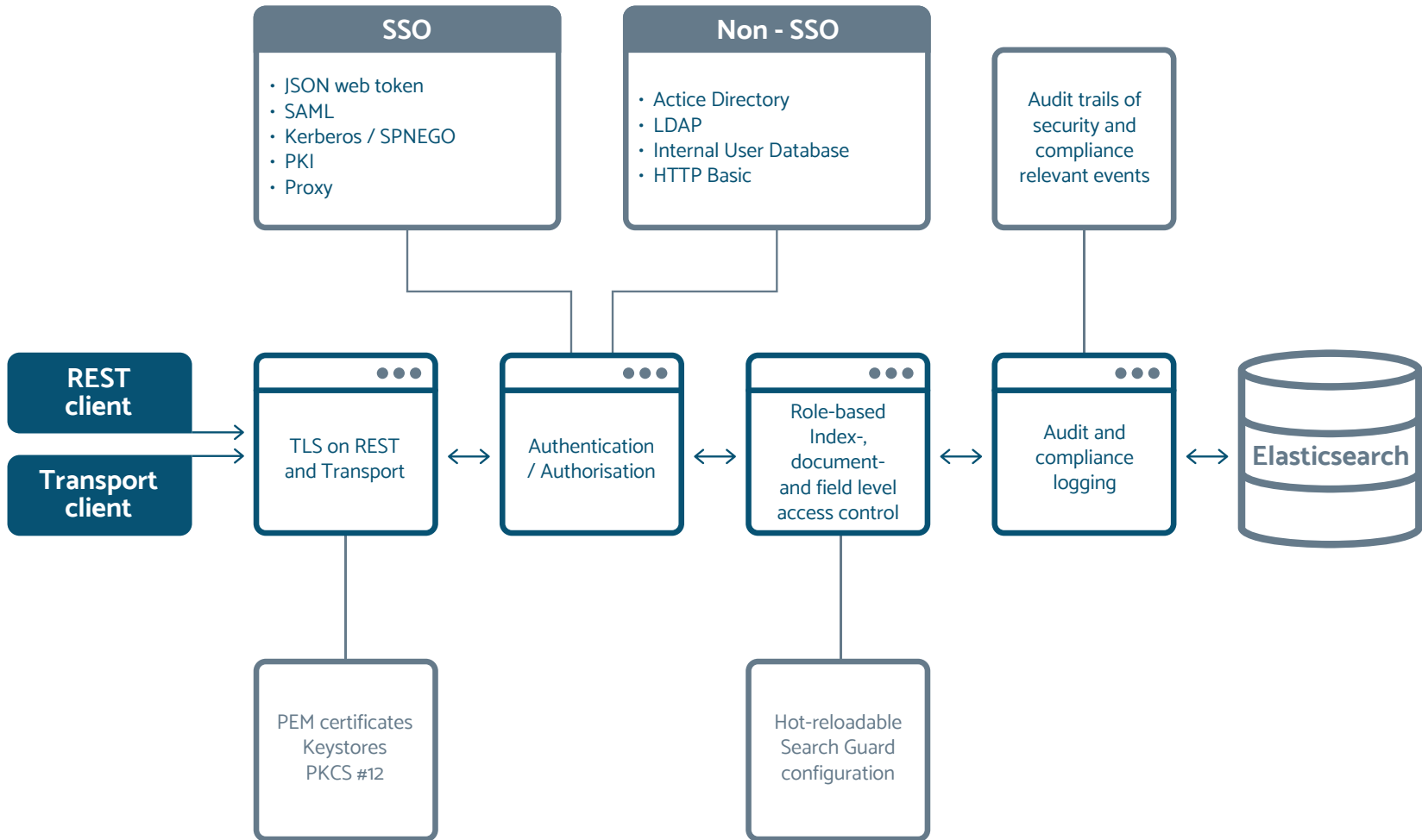
▶ Role-based access control on index and document type level

→ Fine-grained cluster- and index permissions

→ Wildcard support, support for (filtered) index aliases

05.

TECHNOLOGY



PLUGGABLE MODULES

Compliance Edition

Enterprise Edition

Community Edition

Rest- and Transport Layer encryption
 Support for encryption at rest
 Role-based access control
 Index-Level security
 Internal / Native authentication
 HTTP Basic authentication
 Proxy & PKI authentication
 Pre-defined permission sets
 Single permissions
 Kibana Session Management
 Anonymous access
 Certificate Revocation Lists
 Configuration hot-reload
 Cross Cluster Search support

Active Directory
 LDAP
 Kerberos / SPNEGO
 JSON web token authentication
 OpenID / JWKS
 Custom authenticators
 Document-level security
 Field-level security
 Audit Logging
 Kibana SSO
 Kibana MultiTenancy

Document read history
 Document write history
 Write-once indices
 System integrity audit trails
 Audit log event routing / SIEM integration

07.

INTEGRATIONS

- ▶ Search Guard integrates with
 - Kibana, Logstash, Beats, Curator
 - Kibi
 - Kopf / Cerebro
 - Grafana
 - ES-Hadoop / Spark

08.

LICENSING MODEL

- ▶ Subscription based licensing
- ▶ One license per production cluster
- ▶ Non-productive systems (DEV, AUT, SNG) included
- ▶ Unlimited number of nodes
- ▶ 60 day trial period
- ▶ Flexible runtime periods

09.

SUPPORT

- ▶ Enterprise support available
- ▶ Includes all basic and enterprise features
- ▶ Direct contact to Search Guard developers
- ▶ First hand technical knowledge
- ▶ Priority feature request handling

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Search Guard is an independent implementation of a security access layer for Elasticsearch.

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