

# 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

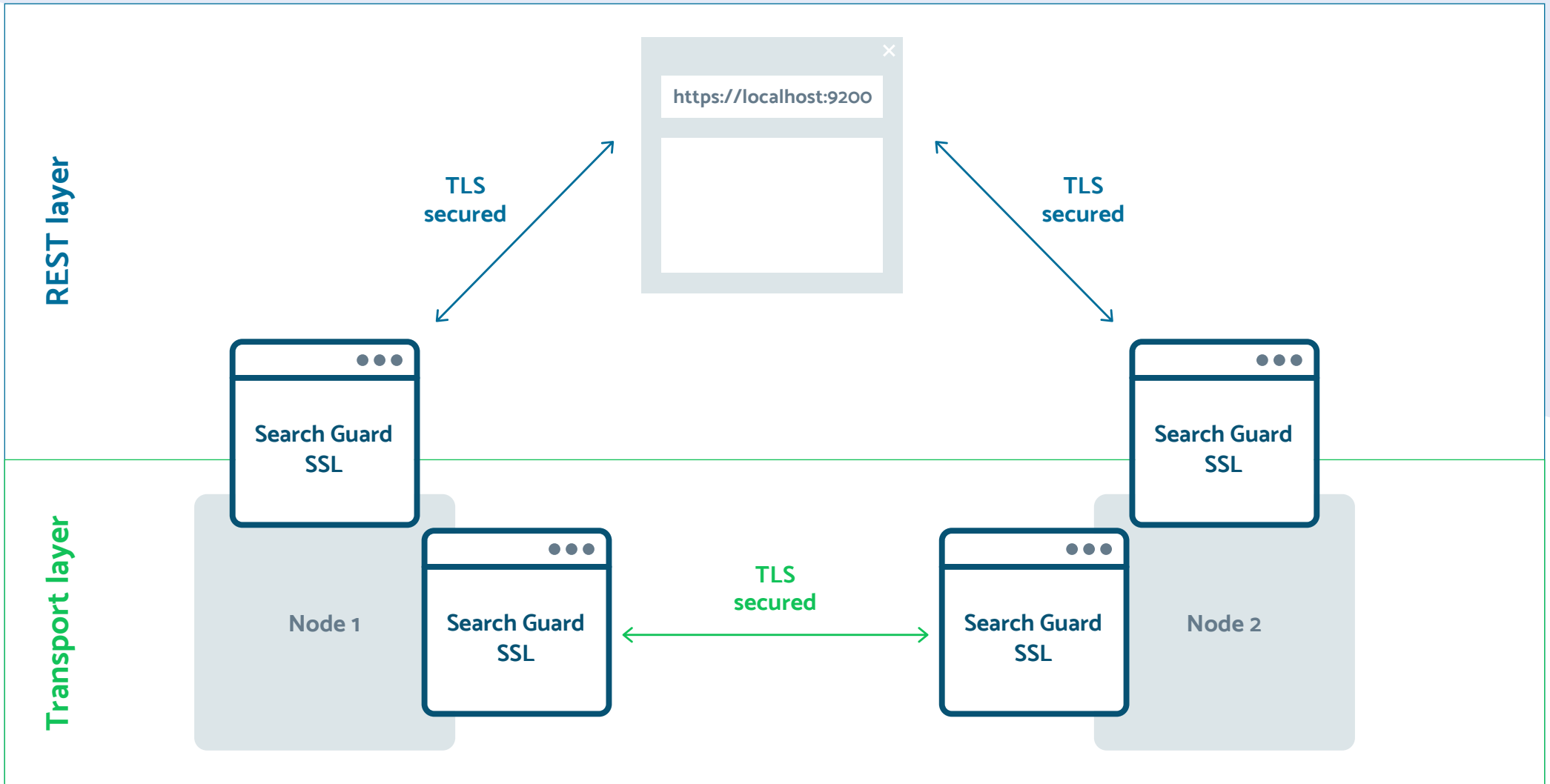
03.

## 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



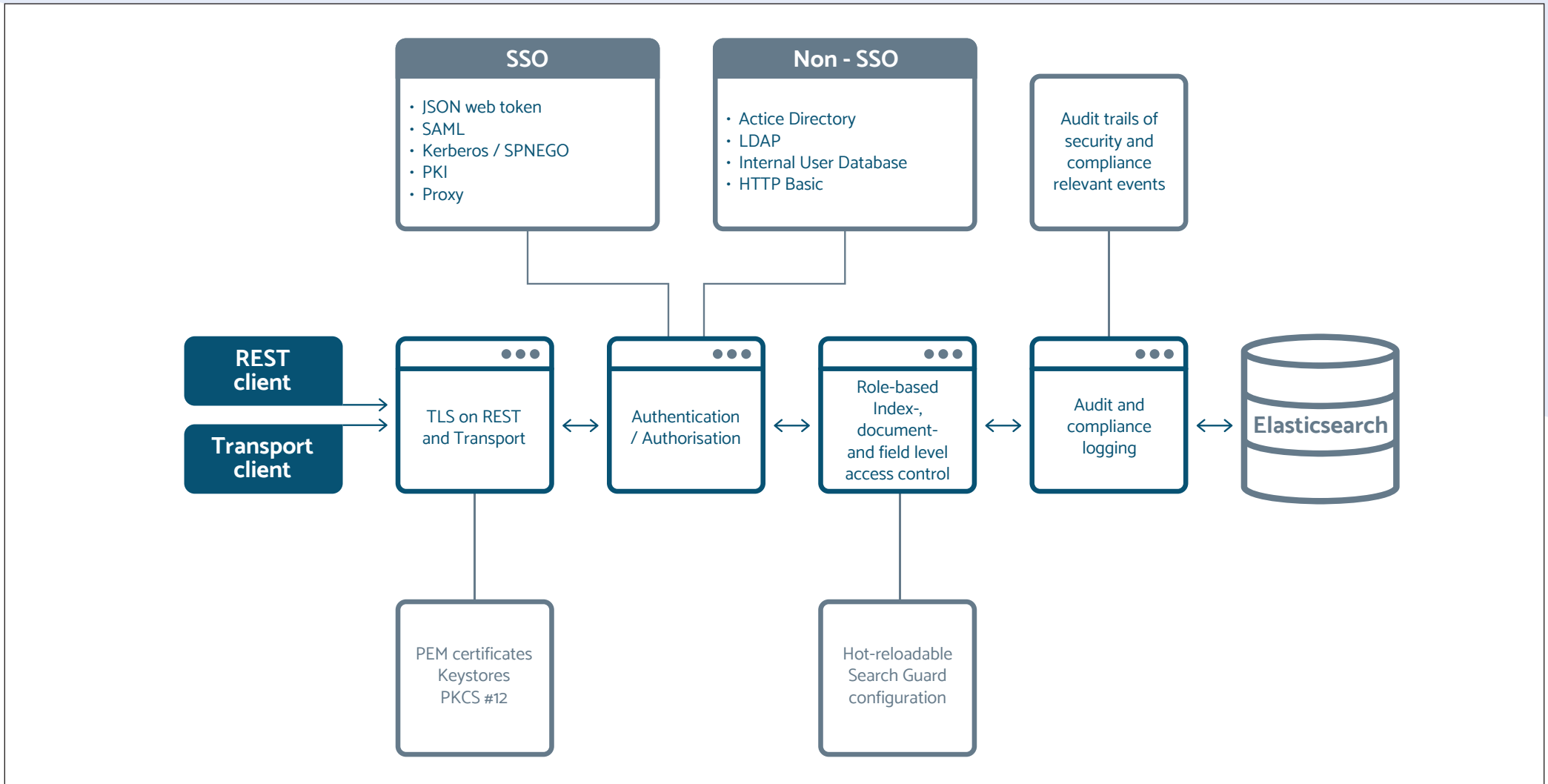
04.

## 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



06.

# 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 Managemet 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	Read history audit logging Write history audit logging Field anonymization Immutable indices Event routing Elasticsearch installation monitoring Search Guard configuration monitoring



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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