



PLATFORM SETUP GUIDES / [audit-setup-guide](#)

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## PLATFORM SETUP GUIDES / Audit setup guide

### Introduction

This guide will walk you through the process of setting up the Audit service and configuring it to meet your needs.

### Infrastructure prerequisites

The Audit service requires the following components to be set up before it can be started:

- **Docker engine** - version 17.06 or higher
- **Kafka** - version 2.8 or higher
- **Elasticsearch** - version 7.11.0 or higher

## Dependencies

The Audit service is built as a Docker image and runs on top of Kafka and Elasticsearch. Therefore, these services must be set up and running before starting the Audit service.

- **Kafka configuration**
- **Authorization & access roles**
- **Elastic search**
- **Logging**

## Configuration

### Configuring Kafka

To configure the Kafka server for the Audit service, set the following environment variables:

- `SPRING_KAFKA_BOOTSTRAP_SERVERS` - address of the Kafka server, it should be in the format "host:port"
- `SPRING_KAFKA_CONSUMER_GROUP_ID` - the consumer group ID to be used for the audit logs
- `KAFKA_CONSUMER_THREADS` - the number of Kafka consumer threads to be used for processing audit logs
- `KAFKA_TOPIC_AUDIT_IN` - the topic key for receiving audit logs

## Configuring Elasticsearch

To configure Elasticsearch, set the following environment variables:

- `SPRING_ELASTICSEARCH_REST_URIS` - the URL(s) of one or more Elasticsearch nodes to connect to
- `SPRING_ELASTICSEARCH_REST_DISABLESSL` - a boolean value that determines whether SSL should be disabled for Elasticsearch connections
- `SPRING_ELASTICSEARCH_REST_USERNAME` - the username to use for basic authentication when connecting to Elasticsearch
- `SPRING_ELASTICSEARCH_REST_PASSWORD` - the password to use for basic authentication when connecting to Elasticsearch
- `SPRING_ELASTICSEARCH_INDEX_SETTINGS_DATASTREAM` (used if ES is used across all dev environments) - the index settings for the datastreams that will be created in Elasticsearch

## Configuring logging

To control the log levels, set the following environment variables:

- `LOGGING_LEVEL_ROOT` - the log level for the root spring boot microservice logs
- `LOGGING_LEVEL_APP` - the log level for app-level logs



Make sure to overwrite the placeholders (where needed) with the appropriate values before starting the service.

**Was this page helpful?**