

Elasticsearch Usage Guide

Overview

Elasticsearch is a highly scalable search and analytics engine. It is used to store and retrieve historical data for Artifactory services and their repositories, and provide it to Mission Control to display in its [Graphs module](#) as usage metrics.

Version

JFrog Mission Control currently uses **ElasticSearch version 5.6**.

Resources

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How Elasticsearch is Packaged within Mission Control

Elasticsearch is packaged into the [Mission Control installation](#). The following describes the different variations for each distribution package type:

Distribution	Packaging
Docker	Elasticsearch for Docker is added as a Docker container to the Mission Control docker-compose project. This installs version 5.5.2.
Debian	Elasticsearch 5.6.2 is included in the Mission Control Debian project. Linux service files are added.
RPM	Elasticsearch 5.6.2 is included in the Mission Control RPM project. Linux service files are added.

Installation Structure

After Mission Control is fully installed, the Elasticsearch data files can be found in the following locations:

File	Location
Binaries	<JMFC_HOME>/elasticsearch/
Data files	Linux: <JMFC_HOME>/elasticsearch/ Docker: <JMFC_HOME>/elasticsearch/

Ports

Elasticsearch uses the following communication ports:

Service	Port
HTTP API	9200
Java Client	9300

Indexes and Aliases

There are two aliases to store and retrieve data:

Alias Name	Description
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active_insight_data	Used point to active index to push data.
search_insight_data	Used to search and retrieve data

On installation, these aliases and indices of format active_insight_data_timestamp* are created.

Index Cleanup

Mission Control is pre-configured to periodically cleanup indexes to keep data for a period of one year.