🔒 Installing Elasticsearch on Openshift

neodjandre Andrew   **Mar 31**

Hi,

Is it possible to install elasticsearch on openshift?

I am a newbie in both platforms and couldn't find any working tutorials. Any help would be much appreciated.

Many thanks,
Andrew

lukas_vlcek   **Apr 1**

Hi,

One example can be found here: **https://github.com/openshift/origin-aggregated-logging/tree/master/elasticsearch**

Related Ansible code is here: **https://github.com/openshift/openshift-ansible/tree/master/roles/openshift_logging_elasticsearch**

Notice there are couple of third-party plugins used in the code, you might not need all of them in you use case. Generally, there are probably other approaches how to go about installing and operating ES in Openshift, it all depends on your use case and specific needs.

Regards,
Lukáš

neodjandre Andrew

Hi Lucas, thanks for the prompt reply but perhaps I wasnt specific enough.

We have a Wordpress site and want to implement Elastic Search for it.

We need to just:

- Install and configure Elastic Search on Openshift
- Secure the server so that only our website communicates with it

We will then use the plugin Fantastic ElasticSearch to connect our website to the Openshift server.

Is there an easy to follow tutorial for this kind of project?

Many thanks again!

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lukas_vlcek

Hi Andrew,

On a high-level I would say "just" take an ES (Docker) container add security plugin and you can go... but unfortunately I think you will need to plan ahead a bit more. There are couple of things you need to consider and answer first.

- Do you plan to run multiple ES nodes or just a single one? If you need more nodes then you need to think about how to implement ES node discovery in Openshift/Kubernetes. There are couple options, some of them are:

    - **elasticsearch-cloud-kubernetes** plugin
    - or you can check how Pires implemented **kubernetes-elasticsearch-cluster** without need of extra discovery plugin

- As for securing your ES cluster I would recommend you to start by looking at **SearchGuard** plugin. Although some of its features are paid only there is a chance that you can get what you need for free. It depends on your needs. Check the **features comparison** .

- What version of ES do you want to use? You need to keep in mind that all ES plugins must be released for specific ES version. This means that once you decide which ES plugins you want to use you need to check if those plugins support specific ES version.

- The reason why I mentioned ES version is you pointed out the **wordpress-fantastic-elasticsearch** . I am not familiar with this code but from quick scan **it seem they are using ES Python client** `"ruflin/elastica": "~3.1.1"` which means **it expects Elasticsearch v2.2.1** (?). In other words in this case the library that you want to use for Wordpress-ES integration may dictate you specific version of ES, which in turn will have impact on specific ES plugin releases you have to use.

- Last but not least. You should not forget about ES monitoring and alerting. There are many options. I would personally recommend you looking at **Prometheus** which is very easy to use in clouds (for both the monitoring and alerting). To allow Prometheus server to scrape all ES node metrics you can use **elasticsearch-prometheus-exporter** plugin. It

is also worth mentioning that **Grafana** has very good support for Prometheus.

HTH,
Lukáš

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neodjandre Andrew

Hi Lukas,

This is very useful information but unfortunately over my skillset. Hopefully we will find a freelancer to help out!

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CLOSED MAY 1

This topic was automatically closed 28 days after the last reply. New replies are no longer allowed.

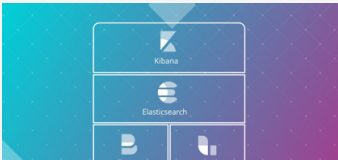**Elastic Stack 6.3.0 released**   ✕

Hi all,

We've just released version 6.3.0 of the Elastic Stack. In 6.3, the code of X-Pack is open! Plus you'll find Elasticsearch rollups for saving space, Elasticsearch SQL, autocomplete in Kibana, pipeline profiles in Logstash, and more.

Learn more about the latest and greatest in the blog posts:
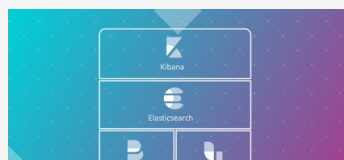
Elastic Stack 6.3.0 Released | Elastic

6.3.0 is here. There are some releases that fix bugs. There are some

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lukas_vlcek   **Apr 3**

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