Observability with Elastic Stack

Lab 1: Create your Elastic Deployment

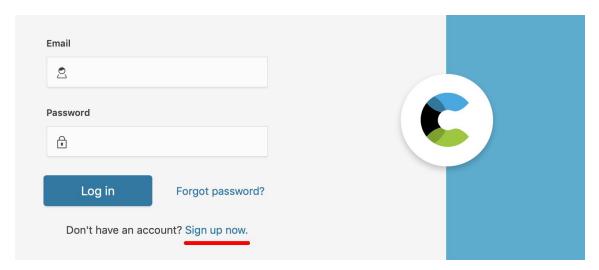


Introduction

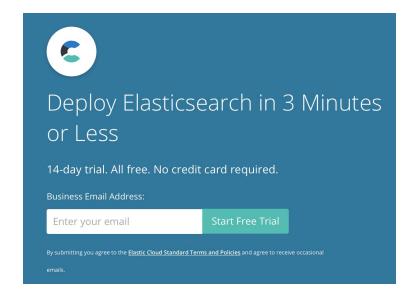
In this lab, you will create an Elastic Deployment on Elasticsearch Service. You will be signing up with Elastic Cloud trial account and create an Elastic deployment to use with the following labs. Elastic Cloud is a family of Elasticsearch powered SaaS offerings that make it easy to deploy, operate, and scale Elastic products and solutions in the cloud. For this workshop, we will be focusing on easy-to-use hosted and managed Elasticsearch Service.

Creating Elastic Deployment

1. Visit https://cloud.elastic.co and click "Sign up now"

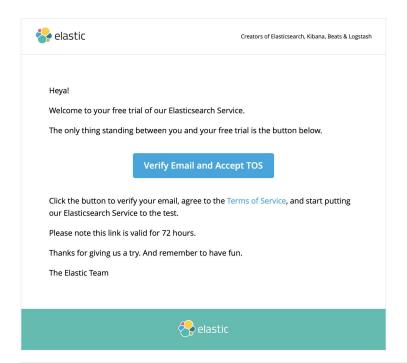


2. Enter your business email (no credit card is required)





3. Check your email to verify your account. (sometimes it may take a few minutes before email shows up in inbox)



I don't see the email?



- Sometimes it may take a few minutes before the email shows up. Please check your Spam folder as well.
- Occasionally we have seen issues with browsers as well. Please try another browser on your machine if the email doesn't show up.
- Corporate email servers may block the email as well. Try with a non-corporate email.
- 4. Log in and create give your account a strong password.





5. You should now be looking at the Welcome Screen for your trial account. Click Create deployment.

Deployments

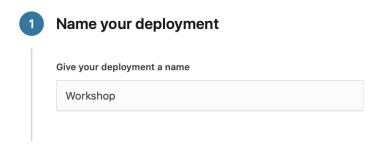


Create your first deployment

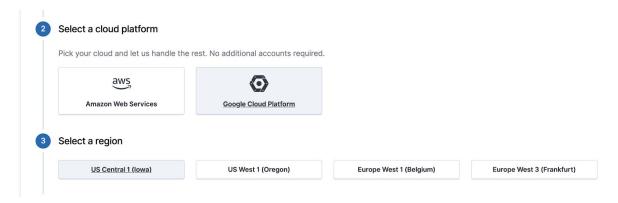
Deployments help you manage the Elasticsearch cluster and other Elastic products, like a Kibana or APM instance, in one place. Spin up, scale, upgrade, and delete all from a deployment.

Create deployment

6. Give your deployment a name.

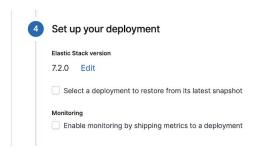


7. You have the choice here to pick the cloud platform and region of your choice. For the labs let the default region be the pick.

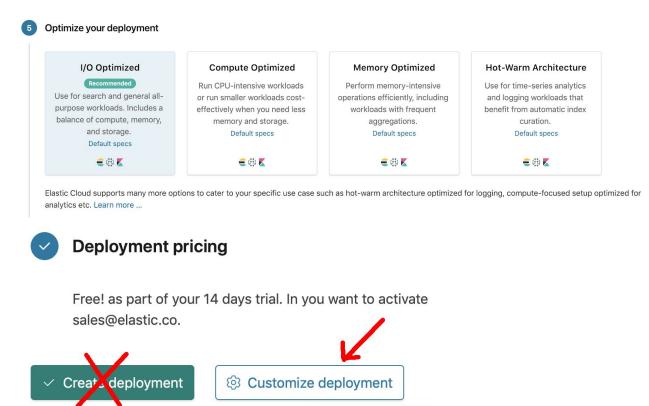


8. Pick the latest version of Elastic.





9. Select the I/O Optimized template and click Customize deployment. We want to make a few more changes before creating the deployment.



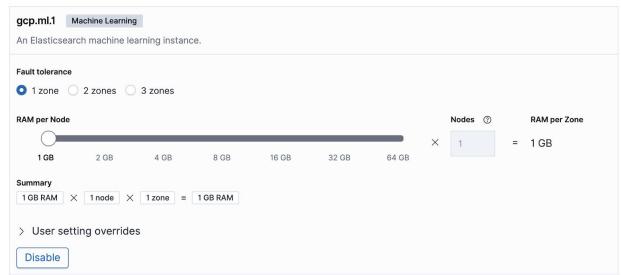
10. During the trial, you will not be able to change the size of the deployment. If this wasn't a trial account, changing the size of the ES nodes or the # of nodes is just a slider-away!



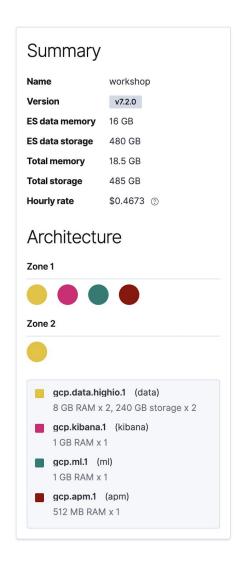
11. Enable Machine Learning.

(Machine Learning 1 configuration		
gcp.ml.1 An Elastics	Machine Learning search machine learning instance.	
Enable		

(Machine Learning 1 configuration



12. Your Deployment Architecture should look similar to this. Notice that APM server is part of the deployment and hosted for use as well.

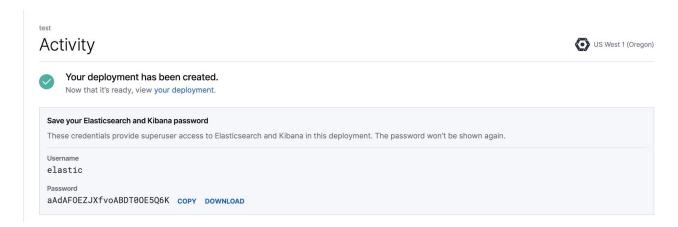


13. Click **Create Cluster**. Your cluster will begin to spin up. It will take a few minutes to complete.

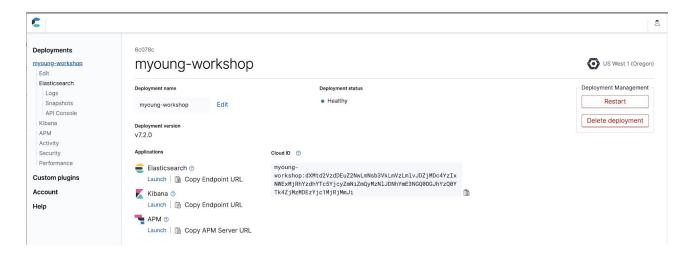




Make sure to copy the **Username** and **Password**.

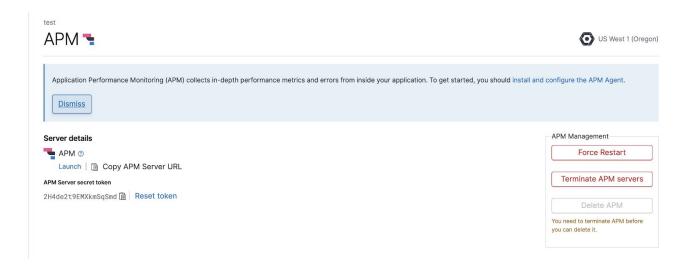


14. Once the Deployment is created, select your deployment under **Deployments** from the navigation pane on the left. Scroll down to see all the information about your deployment at a single place. This is where you can find the URLs for Elasticsearch, Kibana, and APM.

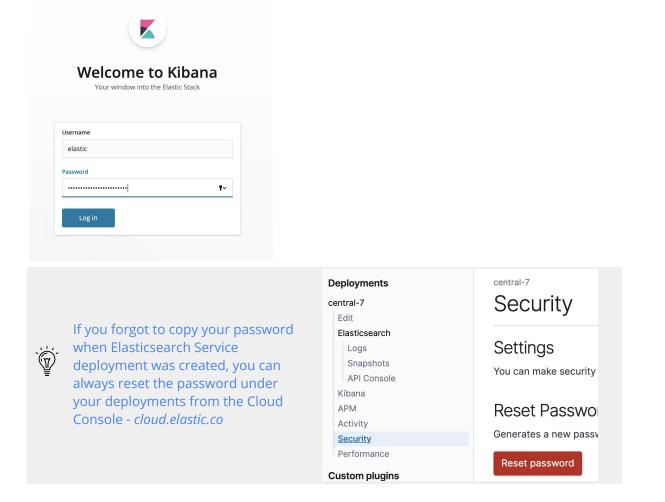


- Make sure to copy the **Cloud ID**. This is is visible via the **Elasticserach** link to the left.
- $\widehat{\mathbb{Q}}$ Also, make sure to copy the **APM Server secret token**. This is is visible via the **APM** link to



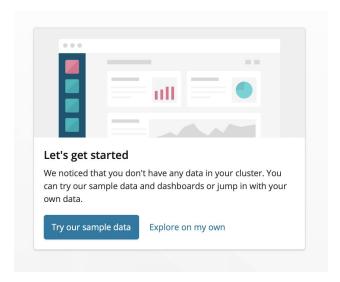


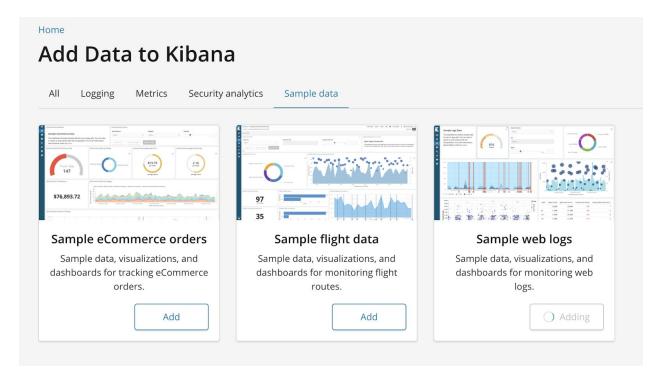
15. Click on Launch under Kibana to launch it in a new tab. Login with the username elastic and your password (this is the password you copied in Step 13)



16. You are now in Kibana where you can click Try our sample data







That's it for this lab! You have a deployment now ready to start ingesting and working with the data.