



MAY 9, 2023

DevOps Classroomnotes 09/May/2023

Monitoring and Observability Setup

Labsetup

- We will be using two elastic cloud accounts
 - one account for dev/experimentation
 - other account for making nopCommerce observable
- We need a mail trap setup for alerts where we will have two inboxes.

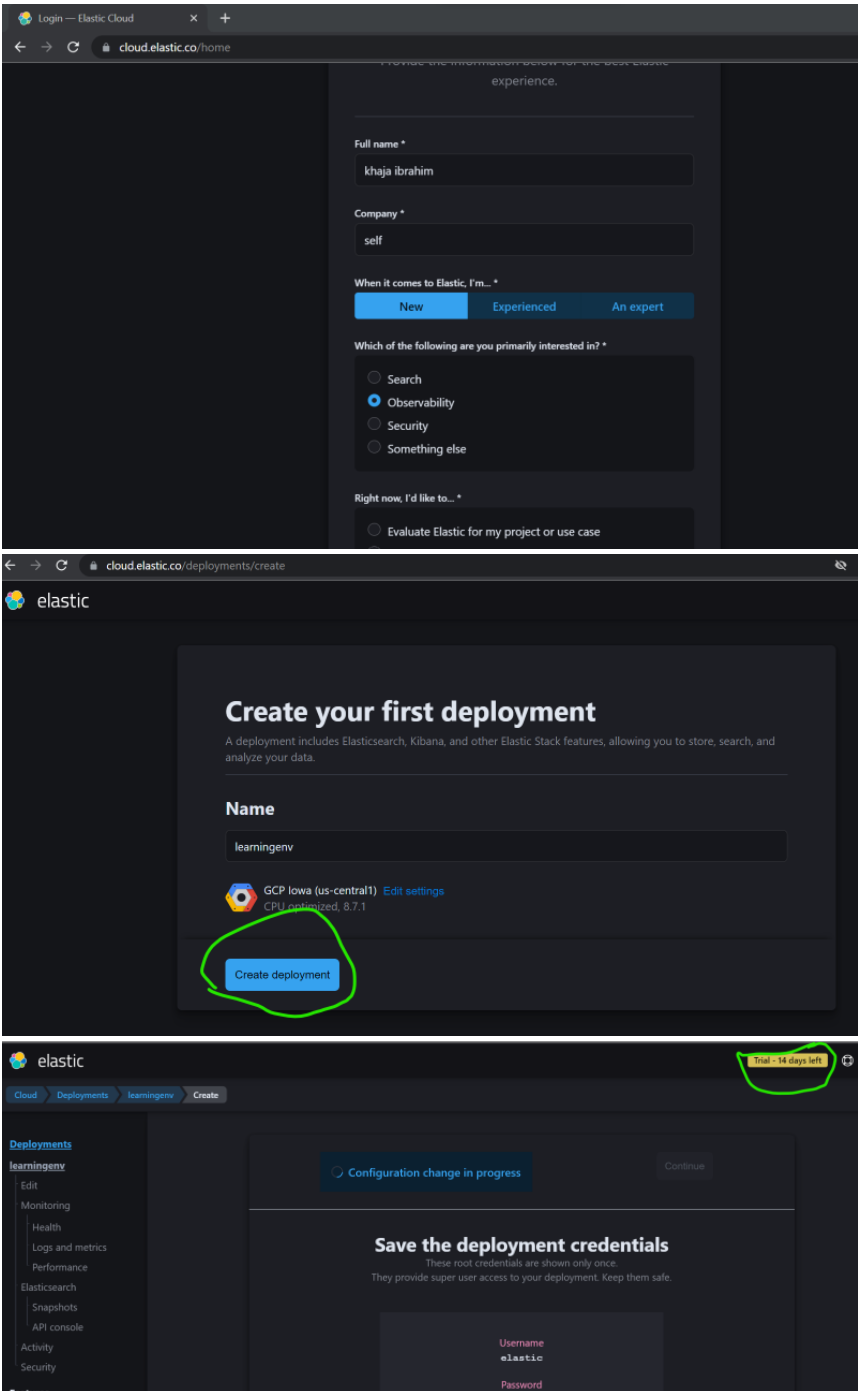
Working with Elastic Stack

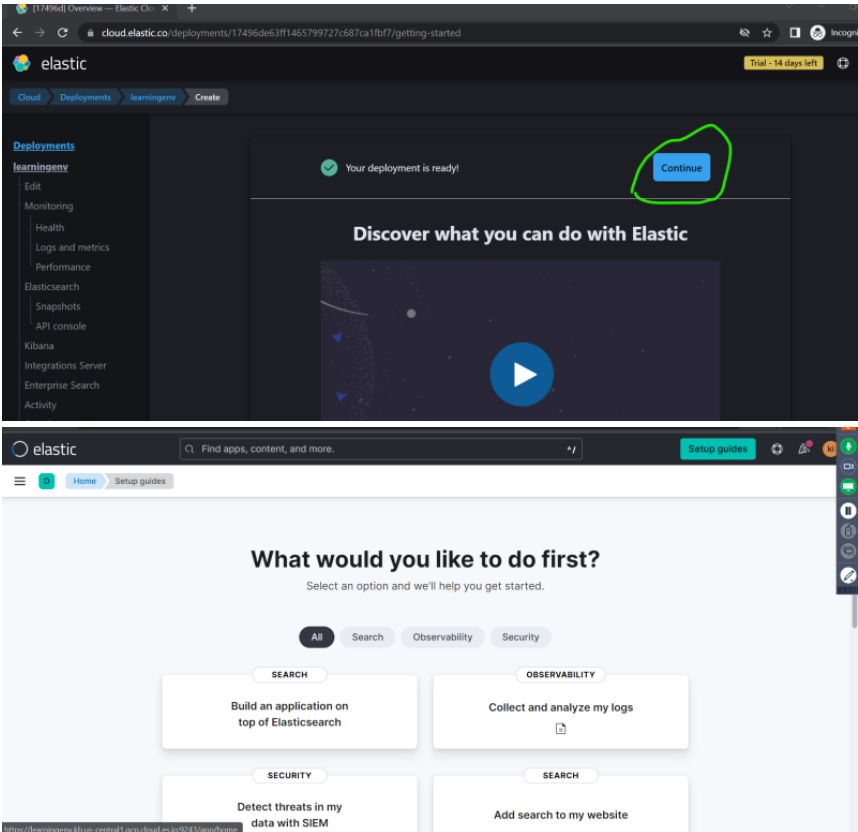
- Understanding of YAML [Refer Here](#)

Elastic Cloud Account Setup

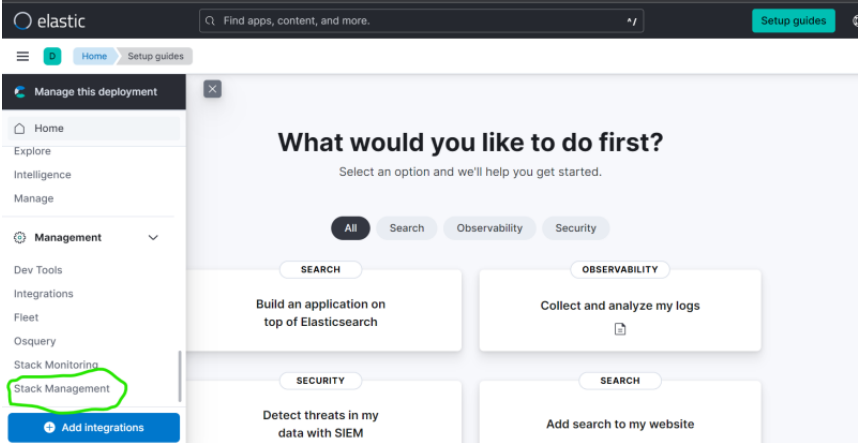
- Create a free trail account [Refer Here](#)

The image shows two screenshots of the Elastic Cloud website. The top screenshot is the main landing page at elastic.co/cloud/. It features the Elastic logo, navigation links (Platform, Use cases, Pricing, Customers, Resources, Company), and a 'Try free' button circled in green. The bottom screenshot is the registration page at cloud.elastic.co/registration. It displays the 'Start your free Elastic Cloud trial' form, which includes fields for Email and Password, a 'Sign up with email' button, and social login options for Google and Microsoft. The Google button is circled in green.





- Lets setup connectors for communications (email/teams/slack)



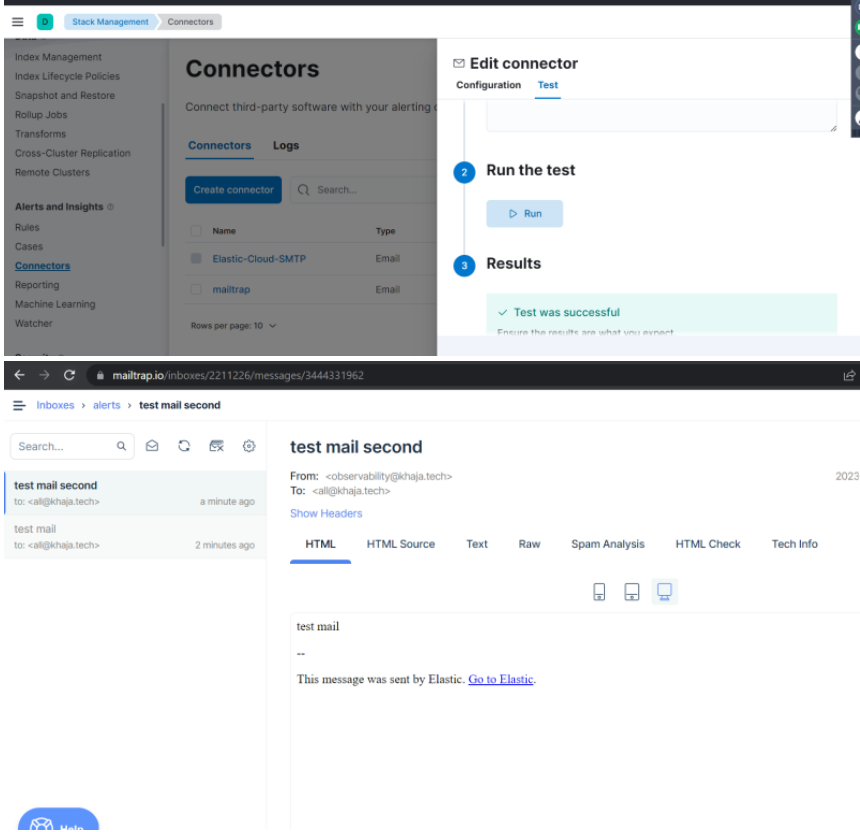
The first screenshot shows the Elastic Stack Management interface. The left sidebar contains a menu with the following items: Index Management, Index Lifecycle Policies, Snapshot and Restore, Rollup Jobs, Transforms, Cross-Cluster Replication, Remote Clusters, Alerts and Insights (with a sub-menu), Reporting, Machine Learning, and Watcher. The 'Alerts and Insights' sub-menu is expanded, and 'Connectors' is highlighted with a green circle.

The second screenshot shows the 'Connectors' page. The left sidebar is the same as the first screenshot. The main content area has a 'Connect third-party software with your alerting data.' message. Below this, there are tabs for 'Connectors' and 'Logs'. The 'Connectors' tab is active, and a 'Create connector' button is highlighted with a green circle. Below the button is a table with the following columns: Name, Type, and Compatibility. The table contains one row: Elastic-Cloud-SMTP, Email, and Alerting Rules. The table is labeled 'PRECONFIGURED'.

The third screenshot shows the 'Select a connector' dialog. The left sidebar is the same as the first screenshot. The main content area has a 'Select a connector' title. Below this, there are six connector cards: Email (Send email from your server), IBM Resilient (Create an incident in IBM Resilient), Index (Index data into Elasticsearch), Jira (Create an incident in Jira), Microsoft Teams (Send a message to a Microsoft Teams), and Opsgenie (Create or close an alert in Opsgenie). The 'Email' card is highlighted with a green circle.

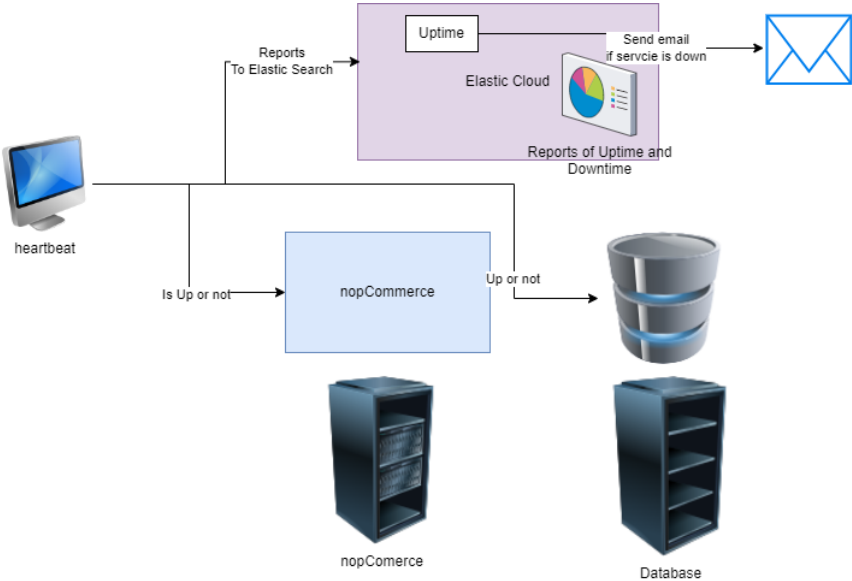
- For email create account in mailtrap and use the credentials of mail trap over here

- Enter the details of mail trap in email and run the test (refer classroom video)



Workflow

- Overview



- We will have a system with heartbeat installed which checks if the application/server is up or not and reports the status to elastic cloud (elastic search)
- The uptime in observability section of elastic cloud will show the status of each service/server from which you can configure alerts based on connectors
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