

## ICT & Infra S3 Supporting Services and Monitoring week 4

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### Introduction

#### Assignment 1. CloudWatch and CloudTrail

Difficulty: ★★☆☆☆.

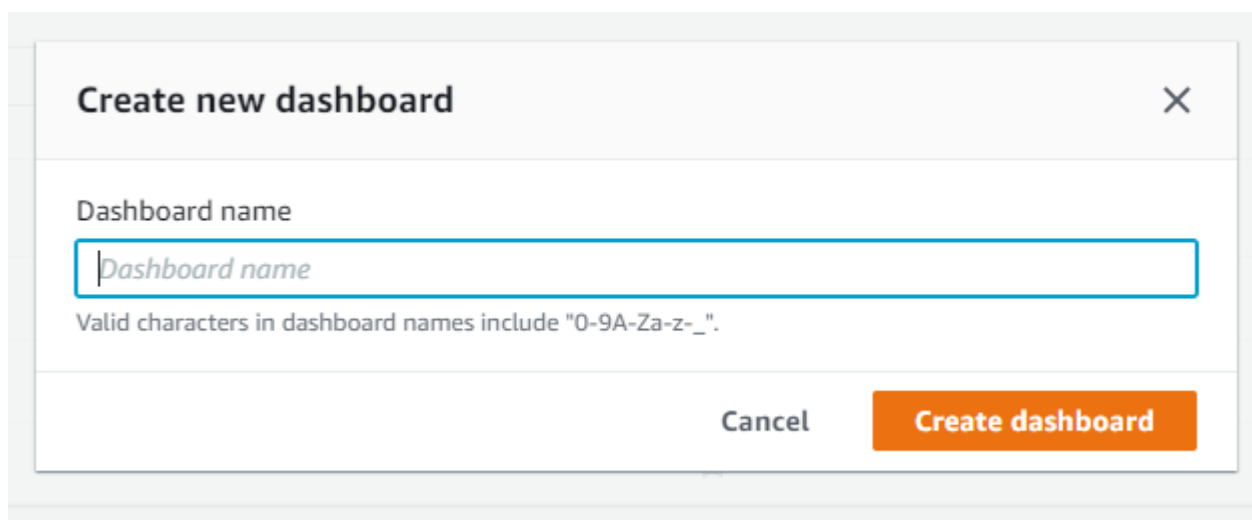
1. Watch the video to get acquainted with CloudTrail: <https://www.youtube.com/watch?v=4ztTv5rIRv8>
2. Login to AWS Learner Lab and spin up 1-2 EC2 instances
3. Create a CloudWatch Dashboard with a few metrics
4. Share your dashboard with (if it's possible from AWS Learner Lab environment)  
Other people with no AWS accounts

- Specific people
- Everyone

1. Provide below screenshots from AWS console about how you configured dashboard and shared it and upload the file to Canvas.

2. Send the URLs /connection details to the lecturer

**Solution:** First we create the monitoring board of the ec2w instances. So first we press the button "create a dashboard" and we fill the information.



Later, we select the widget in my case the first and the fourth .

## Add widget

Select a widget type to add to the dashboard.

### Explorer

A single widget with multiple tag-based graphs



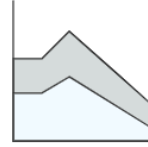
### Line

Compare metrics over time



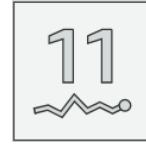
### Stacked area

Compare the total over time



### Number

Instantly see the latest value and trend for a metric



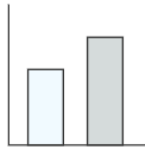
### Gauge

See the latest value of a metric within a lower and upper range



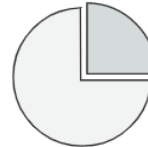
### Bar

Compare categories of data



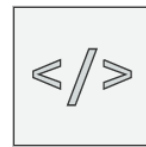
### Pie

Show percentage or proportional data



### Custom widget - New

Code widgets using Lambda and more



### Text

Free text with markdown formatting



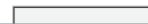
### Logs table

Explore results from Logs Insights

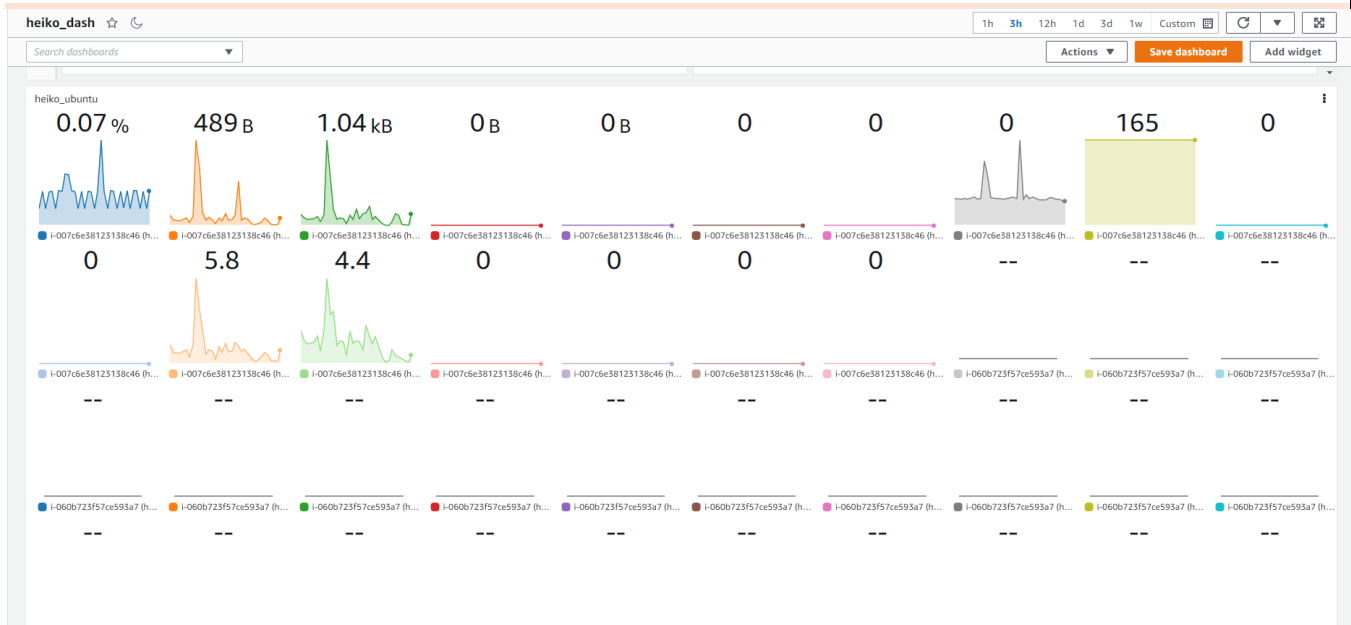


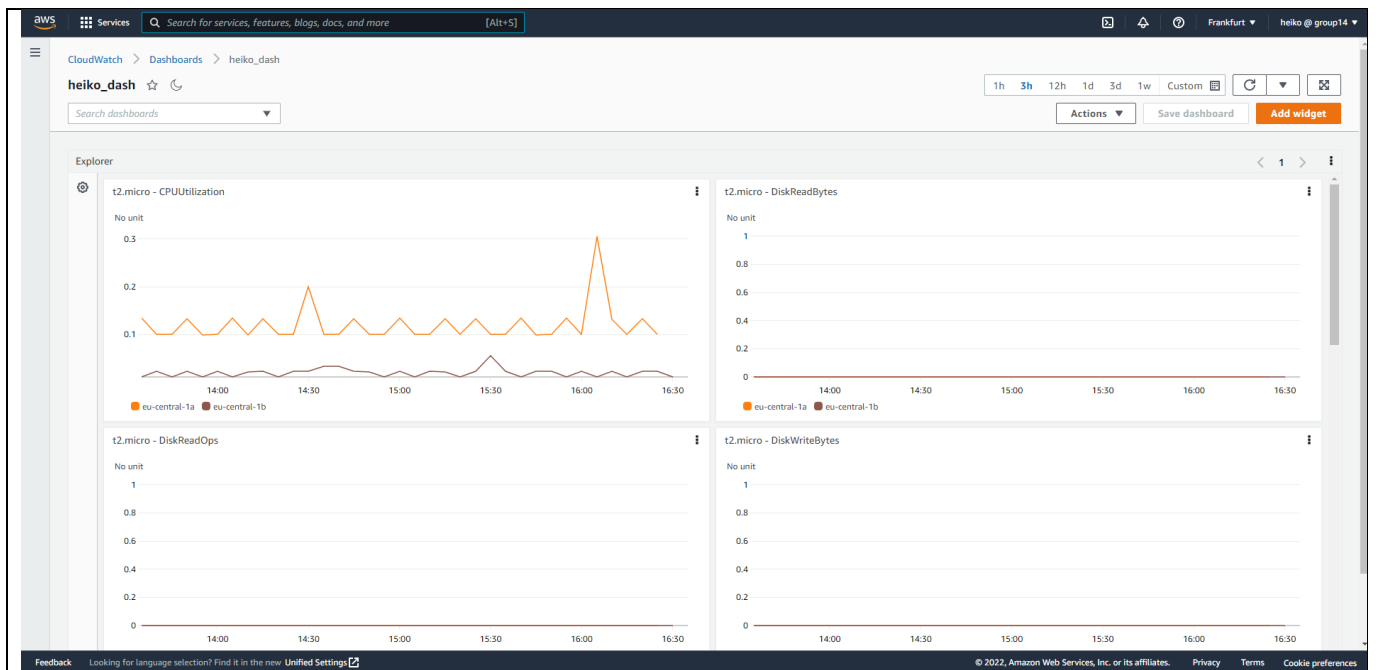
### Alarm status

Instantly see the status of your alarms in a grid view



When we got the dashboard click on actions and select share option.





Finally, we share the dashboard so that it is visible to others

CloudWatch > Dashboards > heiko\_dash > Share dashboard

### Share dashboard heiko\_dash

**Share your dashboard and require a username and password**  
Only users with credentials can access the dashboard. [Start sharing](#)

**Share your dashboard publicly**  
Anyone with the link can access the dashboard. [Copy link to clipboard](#) [Stop sharing](#)

Shareable link  
<https://cloudwatch.amazonaws.com/dashboard.html?dashboard=...>

Resources  
IAM Role [IAM Role](#) Cognito IdentityPool [Cognito IdentityPool](#)

Shared on  
N/A

Shared with  
[Anyone with the link can access the dashboard.](#)

**Share all your account's CloudWatch dashboards using single sign-on (SSO)**  
All users in your SSO provider's list can access all dashboards in your account.

**No SSO providers enabled**  
You can set up a SSO provider in the CloudWatch settings page  
[Go to CloudWatch settings](#)

URL:

[https://cloudwatch.amazonaws.com/dashboard.html?dashboard=heiko\\_dash&context=eyJJSJljb2RkZWFzdC0xliwiRCI6ImN3LWRiLTgwNzAxMzY1NzY2OCIsIlUiOiJ1cy1YXN0LTFFMTlwWTZLM1dHliwiQyI6IjE0OTxb21kcTdpdGwzODVjMmY0ZmM4ZHYwliwiSSi6InVzLWVhc3QtMT05MjA0NDRmOS1hMTVmLTQxZjgtYWM3MS01YmJkMmFIMzhjYjUiLCJlbn0=](https://cloudwatch.amazonaws.com/dashboard.html?dashboard=heiko_dash&context=eyJJSJljb2RkZWFzdC0xliwiRCI6ImN3LWRiLTgwNzAxMzY1NzY2OCIsIlUiOiJ1cy1YXN0LTFFMTlwWTZLM1dHliwiQyI6IjE0OTxb21kcTdpdGwzODVjMmY0ZmM4ZHYwliwiSSi6InVzLWVhc3QtMT05MjA0NDRmOS1hMTVmLTQxZjgtYWM3MS01YmJkMmFIMzhjYjUiLCJlbn0=)