

## Cloudwatch Logging Information:

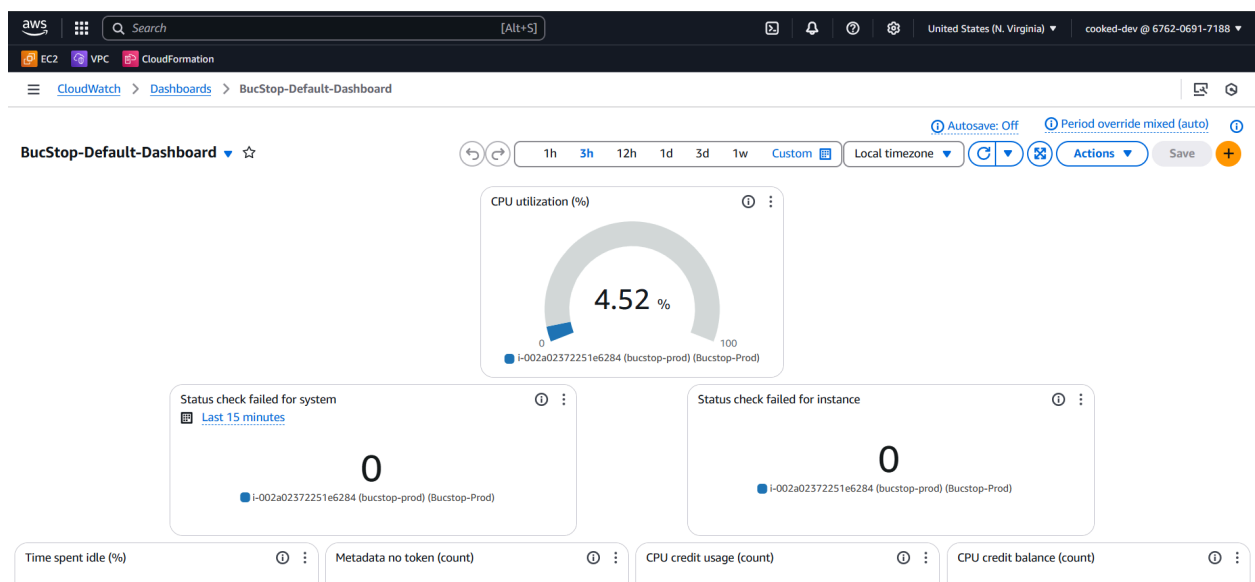
Author: Curtis Reece

Sprint: 4

Associated PBI/Task: Setup CloudWatch EC2 Health Logging

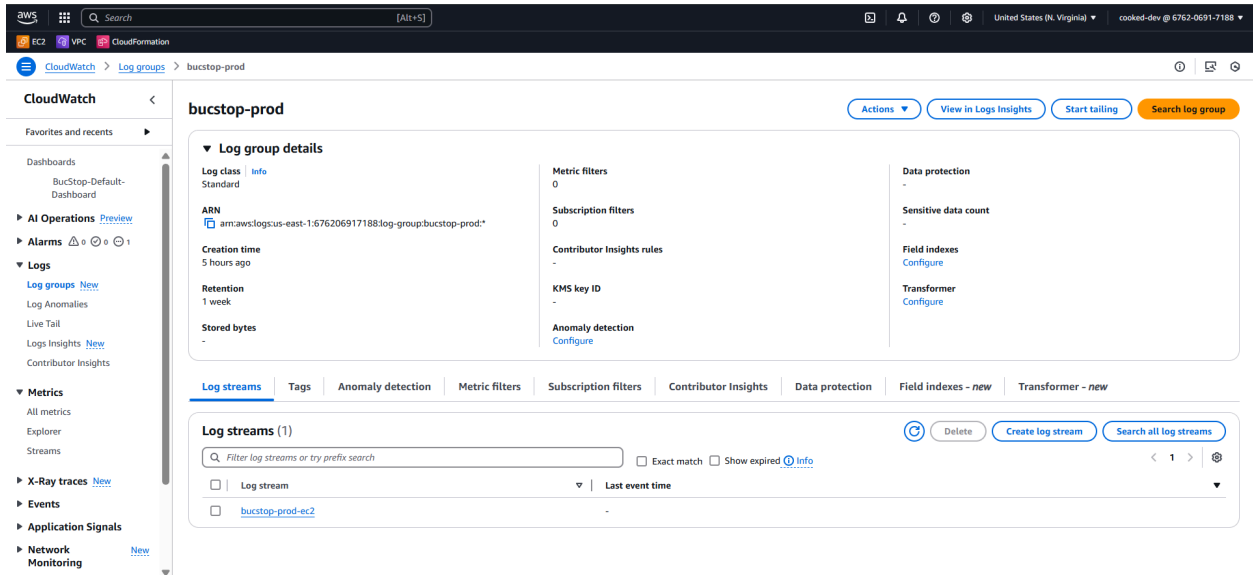
I spent around 4 hours working on this and Chris Powers spent a few hours looking into it and trying to help me as well. We believe that we are running into permission issues as the few different solutions that we have tried have run into a problem with IAM roles not actually being assigned to the instance and the instance having an unresponsive SSM agent (which could be associated with the IAM roles issue).

The instance is still monitoring various metrics which can be viewed in both EC2 and Cloudwatch, and I have set up a custom dashboard in Cloudwatch with every basic metric that is monitored. However, none of the metrics are being logged to a log file in Cloudwatch as we have been unable to set up a Cloudwatch Agent in the EC2 instance for the above mentioned reasons.



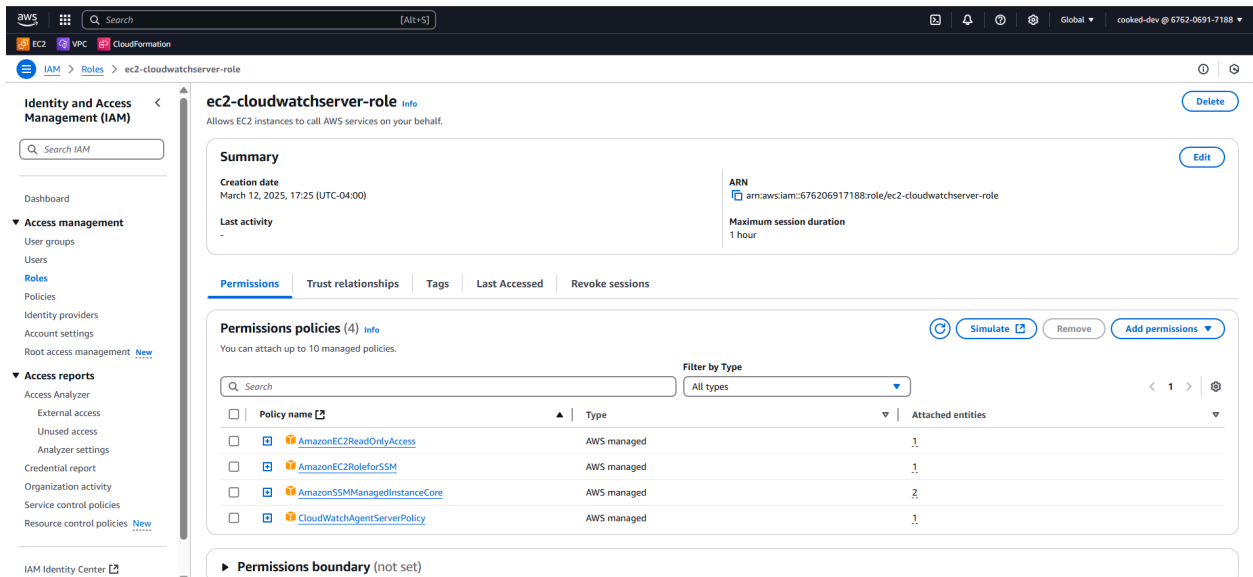
- An image of the custom dashboard in Cloudwatch.

In addition, there is a Cloudwatch Log Group and Log Stream set up in Cloudwatch. The Log Stream will be where logs are accessible whenever the task is finished.



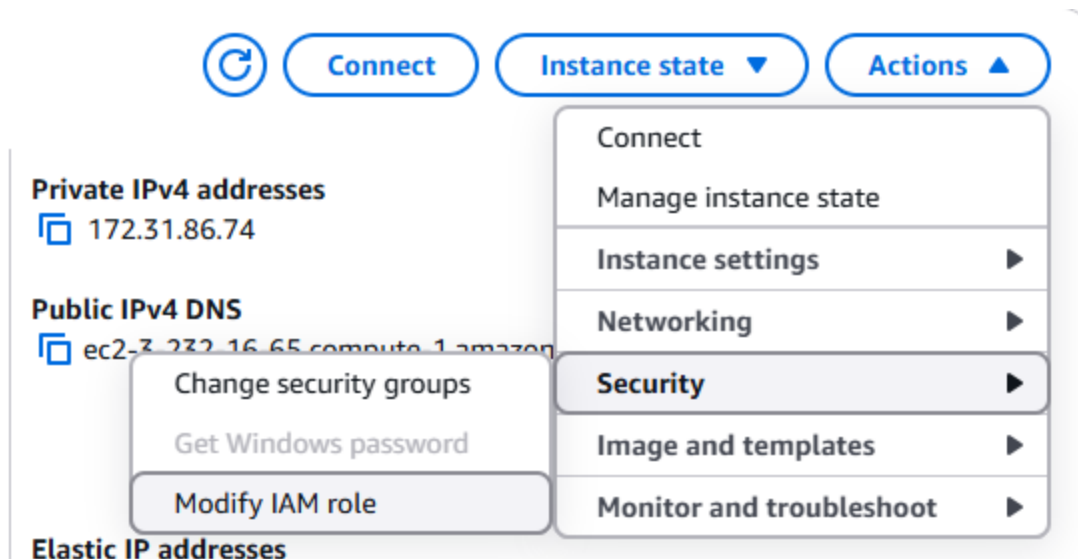
- An image of the log group (bucstop-prod) and its log stream (bucstop-prod-ec2).

Part of configuring a cloudwatch agent is setting up an IAM role to give the EC2 instance certain permissions.



- An image of the IAM role we created to attach to the EC2 instance.

You can modify the IAM role attached to the EC2 instance through a security action on the EC2 Details page:

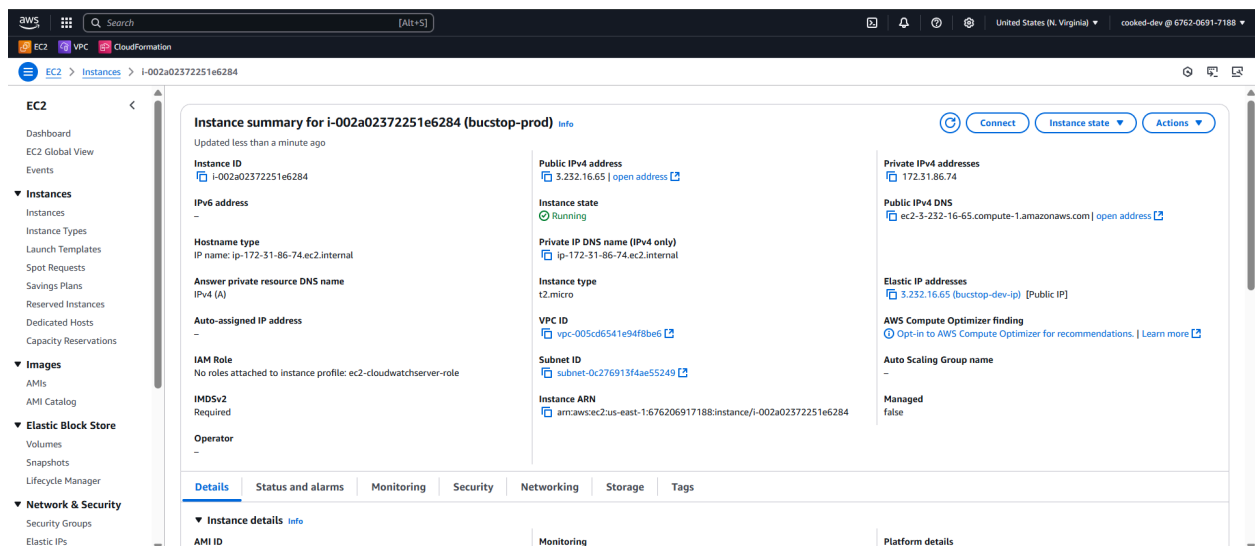


- An image of how to modify the IAM role attached to the instance.

However, whenever we go to actually attach the role to the instance we run into the following issue:

## IAM Role

No roles attached to instance profile: ec2-cloudwatchserver-role





- A full page view of the EC2 instance profile, showing the IAM role not attached.

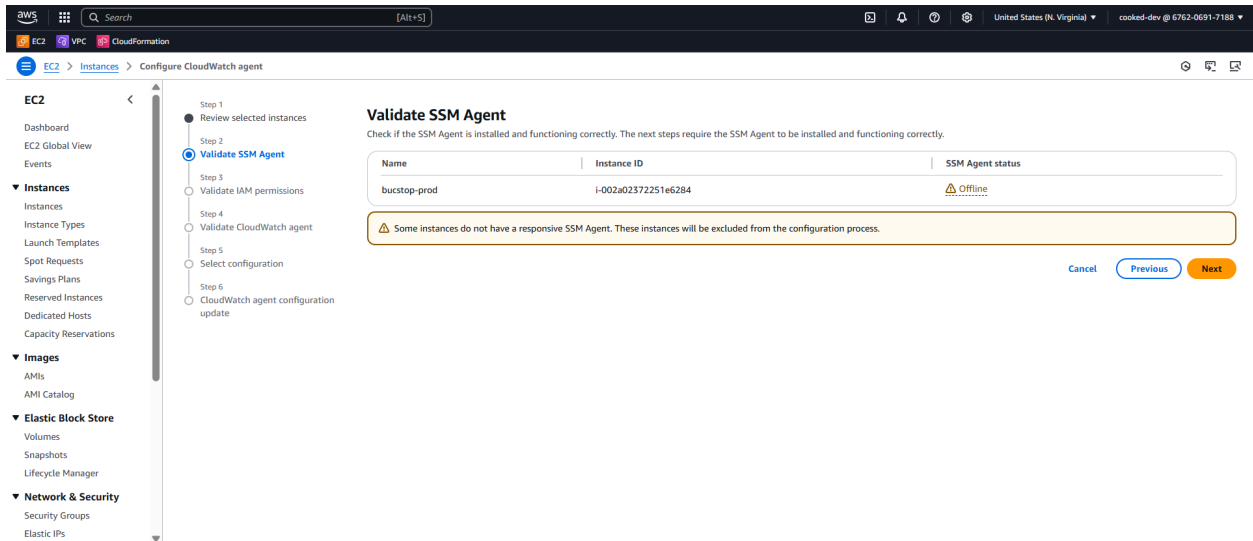
When attempting one of the approaches where we would configure the cloudwatch agent from the ec2 instance page under the monitoring section when the instance is running, we encounter the following error:

## Validate SSM Agent

Check if the SSM Agent is installed and functioning correctly. The next steps require the SSM Agent to be installed and functioning correctly.


Name	Instance ID	SSM Agent status
bucstop-prod	i-002a02372251e6284	 Offline


 Some instances do not have a responsive SSM Agent. These instances will be excluded from the configuration process.



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Cancel Previous Next

- A full page view of the error where the SSM agent is unresponsive.

Some useful videos with different approaches that we have tried:

<https://www.youtube.com/watch?v=hqGnDzCIMBg>

<https://www.youtube.com/watch?v=7UIFuwONrvQ>