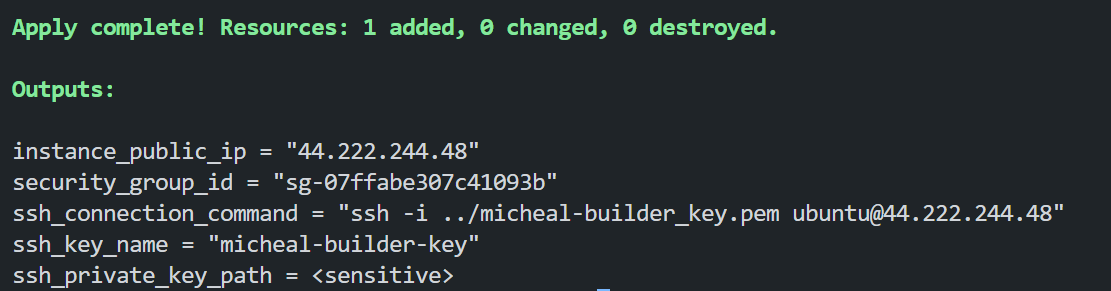
**Michael Malka**

**Terraform Task:**

Terraform apply



Terraform output -json > terraform\_outputs.json

{

  "instance\_ip": {

    "sensitive": false,

    "type": "string",

    "value": "44.204.165.207"

  },

  "security\_group\_id": {

    "sensitive": false,

    "type": "string",

    "value": "sg-0fac69a7d65af70c8"

  },

  "ssh\_command": {

    "sensitive": false,

    "type": "string",

    "value": "ssh -i ./michael-builder-key.pem ubuntu@44.204.165.207"

  },

  "ssh\_key\_location": {

    "sensitive": false,

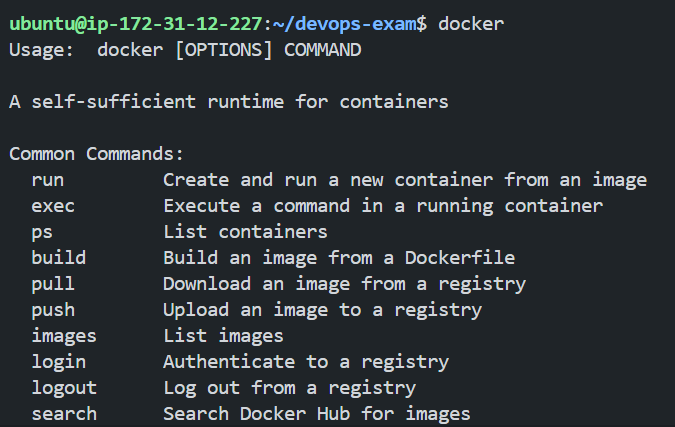
    "type": "string",

    "value": "./michael-builder-key.pem"

  }

}

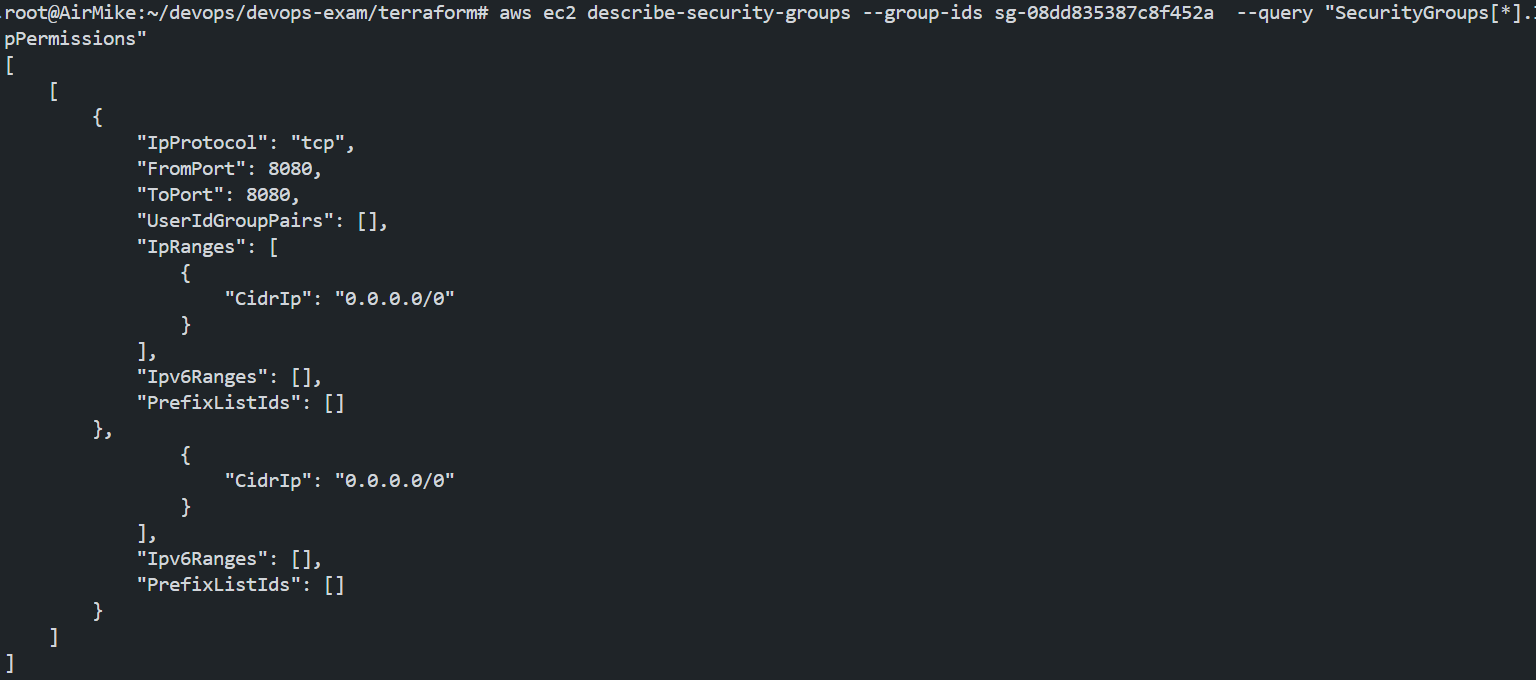
Docker



Docker compose

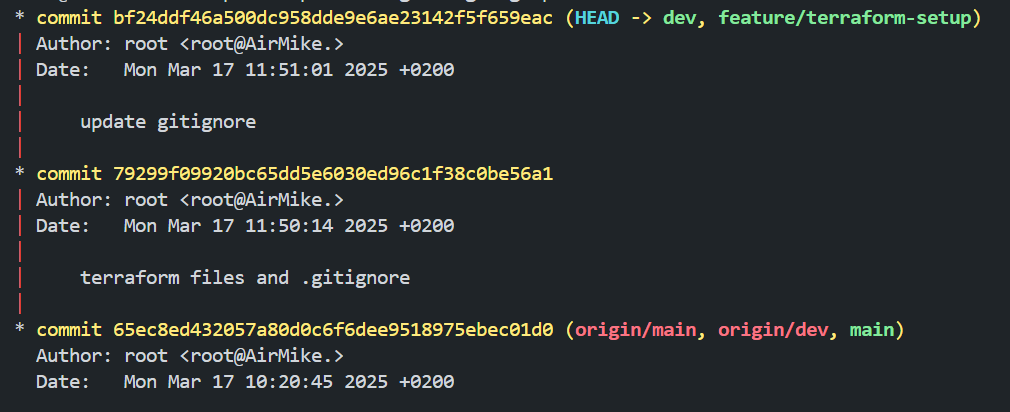


Security Group Validation:



Git log –-graph

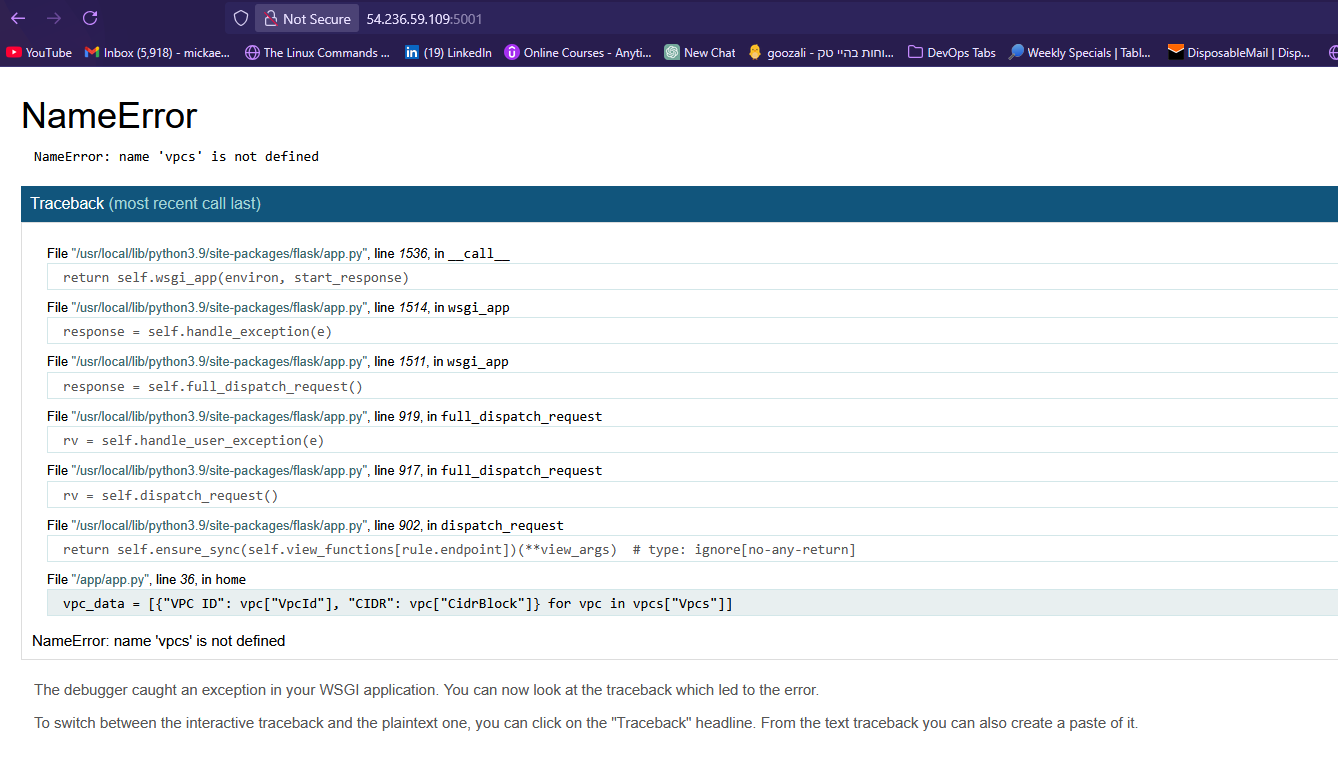
#after merging the terraform feature branch



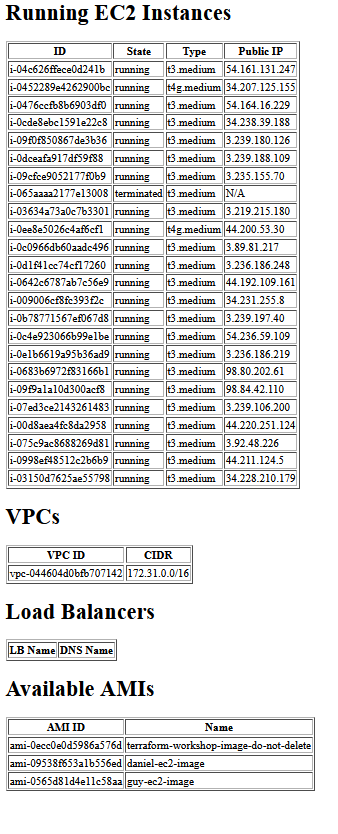
**ssh -i ./michael-builder-key.pem ubuntu@54.236.59.109**

**docker task**

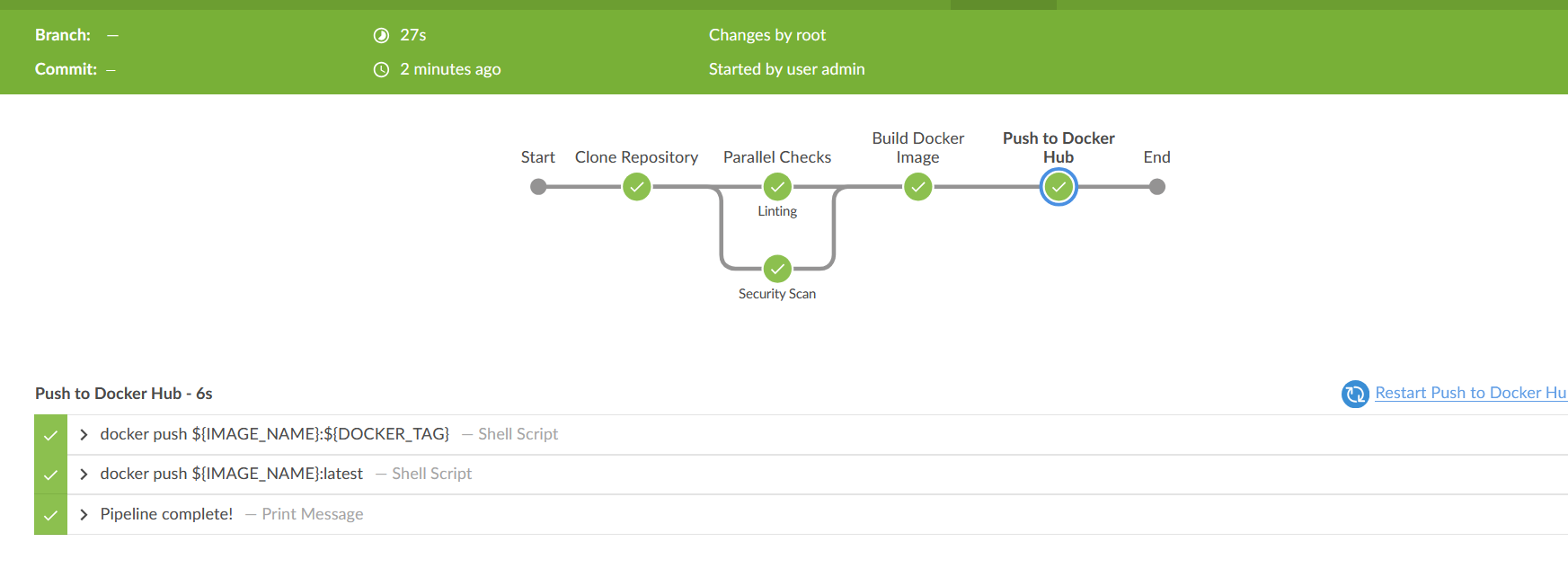
**http://54.236.59.109:5001/**

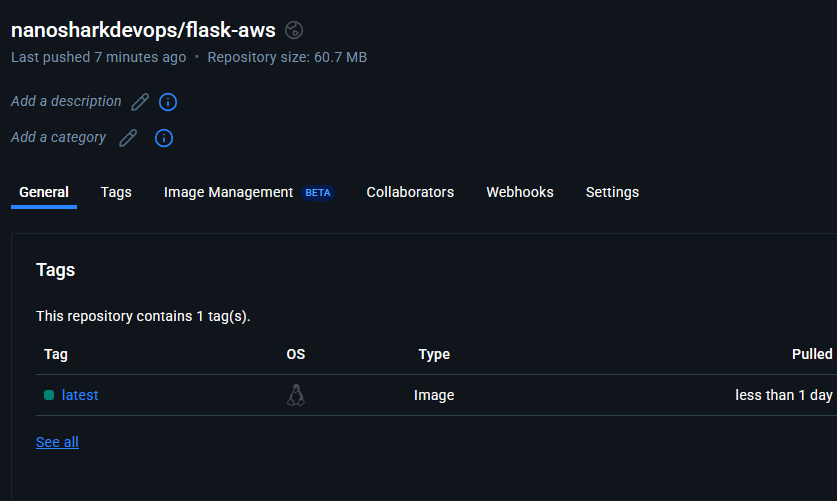


**Debugging and Fixing a Bug in the Application**

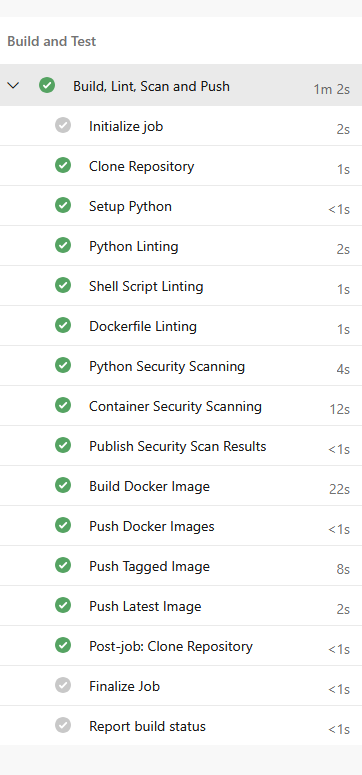


**CI/CD Integration with Jenkins**



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Azure pipeline:



Kubernetes

