MAY 18, 2024

DevOps classroom notes 18/May/2024

**Terraform contd**

**Security Group**

* Manually creating security group: refer video of classroom
* Lets design inputs
  + vpc id
  + inbound rules
    - from: ip address range (0.0.0.0/0 or vpc range or 100.100.100.100/32)
    - protocol: TCP UDP ICMP
    - port
  + outbound rules
    - to: ip address range (0.0.0.0/0 or vpc range or 100.100.100.100/32)
    - protocol
    - port
* [Refer Here](https://github.com/asquarezone/TerraformZone/commit/0a00b5e95e4287fea52d0a23e96b0e67a7689aac) for the changes done to create web security group

**Terraform outputs**

* [Refer Here](https://developer.hashicorp.com/terraform/language/values/outputs) for outputs

**EC2 instance**

* Inputs:
  + AMI ami-05e00961530ae1b55
  + instance type: t2.micro
  + key pair: my\_idrsa
  + network
    - subnet
    - enable public ip
    - security group
  + userdata
* [Refer Here](https://github.com/asquarezone/TerraformZone/commit/8cc45e1b7744bb9dba49dddc691deea0d10caadb) for the changes done to create ec2 instance with user data.

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