MAY 11, 2024

DevOps Classroom Notes 11/May/2024

**Terraform contd**

**Creating multiple subnets**

* Lets try creating multiple subnets using loops in terraform.
* Loops can be acheived in two ways
  + count
  + for each
* Lets use count to create multiple subnets [Refer Here](https://developer.hashicorp.com/terraform/language/meta-arguments/count)
* Terraform provides functions [Refer Here](https://developer.hashicorp.com/terraform/language/functions)
* [Refer Here](https://github.com/asquarezone/TerraformZone/commit/7a9d59a236c9a73dfcdde8d1728038f8a99fd049?diff=split&w=0) for the changes done

**Terraform for AWS**

**Setup for AWS**

* [Refer Here](https://registry.terraform.io/providers/hashicorp/aws/latest) for AWS Provider docs
* Lets setup cli authentication in AWS
  + Create an IAM User and generate access key and secret access key as shown in classroom

**Activity: Create a vpc**

* Overview
* For manual steps refer classroom video
* vpc resource [Refer Here](https://registry.terraform.io/providers/hashicorp/aws/latest/docs/resources/vpc)
* [Refer Here](https://github.com/asquarezone/TerraformZone/commit/8397fe721db18171340fbfa572cd462fb81e99ad) for the changes done.

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