

Instructions for the demo

Execute the following commands:

```
terraform init
terraform validate
terraform plan -out "ec2.tfplan"
terraform apply "ec2.tfplan"
terraform show
```

Note: Points to highlight

- Explain data source - a special kind of resource called as a data source. Refer to <https://www.terraform.io/docs/configuration/data-sources.html> to understand more on data sources
- How data is read from a data source like `aws_availability_zones` or `aws_ami` and can be used in other resources like `aws_instance`
- Explain how to declare the output values and its significance. Refer to <https://www.terraform.io/docs/configuration/outputs.html> to understand more on data sources
- How to connect to an instance and the significance of user data when the instance gets provisioned.
- Discuss how `vpc` and `ec2` instance is provisioned and `httpd` is installed in it and the developer has to focus on deploying the application.