



Terraform: Output Attribute

Terraform : Deployment Automation

- Terraform Keeps Output of all resources and it's attribute.
- Output in terraform can be queried and retain.
- Output values are like the return values of a Terraform module, and have several uses:
 - A child module can use outputs to expose a subset of its resource attributes to a parent module.
 - A root module can use outputs to print certain values in the CLI output after running terraform apply.
 - When using **remote state**, root module outputs can be accessed by other **configurations** via a **terraform_remote_state** data source.

Terraform : Deployment Automation

- Each output value exported by a module must be declared using an output block:

```
output "instance_ip_addr" {  
  value = aws_instance.server.private_ip  
}
```

- The value argument takes an expression whose result is to be returned to the user.
- Outputs are only rendered when Terraform applies your plan. Running terraform plan will not render outputs.

Terraform : Deployment Automation

- Outputs can also be used in Scripts.

```
resource "aws_instance" "MyFirstInstnace" {
  ami          = data.aws_ami.latest-ubuntu.id
  instance_type = "t2.micro"
  availability_zone = data.aws_availability_zones.available.names[1]

  tags = {
    Name = "custom_instance"
  }

  provisioner "local-exec" {
    command = "echo aws_instance.MyFirstInstnace.private_ip >> pribateips.txt"
  }
}
```

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

See you in next lecture ...