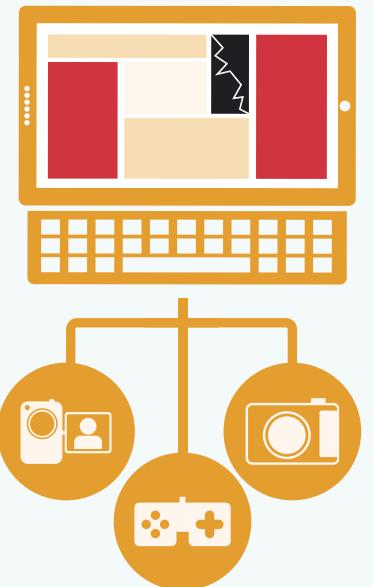
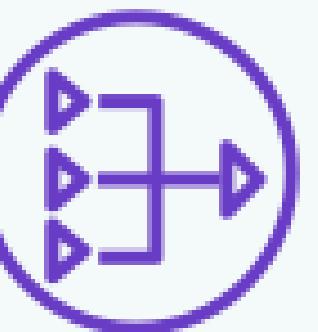


Module gotchas

Topics covered:

- Module gotchas : replace all the hardcoded value with variables
- Module gotchas: declare separate inline resources
- Module: use "\${path.module}" interpolation
- Lab demonstration for both above gotchas



Module gotchas: use interpolation path.module -calculate relative path for files



```
resource "aws_launch_configuration" "my-first-launch-conf" {  
  
    name = "${var.cluster}-webserver-launch"  
    image_id = var.ami  
    instance_type = var.instance_type  
    security_groups=[ aws_security_group.webserver_sg.id ]  
    key_name = "terraform"  
  
    lifecycle {  
        create_before_destroy = true  
    }  
    user_data=file("${path.module}/user_data.sh")  
}
```

Module gotchas: alway prefer separate resource



Separate resource

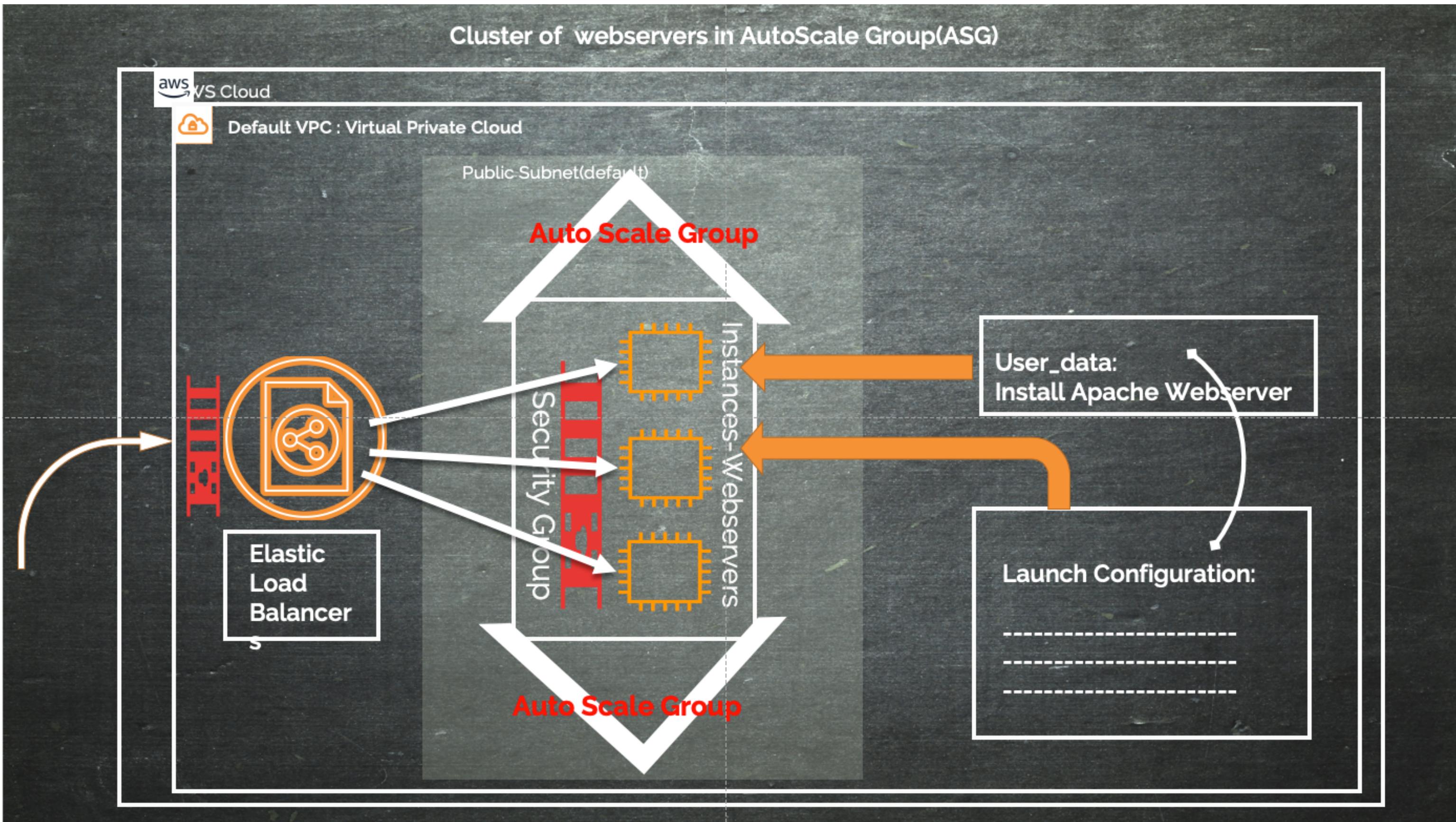
```
resource "aws_security_group" "webserver_sg" {  
    name="webserver_sg-${var.environment}"  
}  
  
resource "aws_security_group_rule" "allow_http" {  
    type="ingress"  
    security_group_id =  
        aws_security_group.webserver_sg.id  
    from_port = var.http_port  
    to_port = var.http_port  
    protocol = "tcp"  
    cidr_blocks = [ var.my_system ]  
}
```



Inline Block resource

```
resource "aws_security_group" "webserver_sg" {  
    name="webserver_sg-${var.environment}"  
  
    ingress {  
        from_port = var.http_port  
        to_port = var.http_port  
        protocol = "tcp"  
        cidr_blocks = [ var.my_system ]  
    }  
}
```

Architecture for the infra deployment in lab demonstration



Command to download new or updated module:

Download and install module:

```
#terraform init
```

Download and install updated module:

```
#terraform get
```