

# SEPARATION OF CONCERNS – WEB APP – DATA LOOKUP

<https://www.terraform.io/docs/providers/aws/index.html#>

```
data "aws_vpc" "vpc" {  
  tags {  
    Name      = "${var.environment}-vpc"  
    Environment = "${var.environment}"  
  }  
}
```

2 references

```
data "aws_subnet_ids" "subnets" {  
  vpc_id = "${data.aws_vpc.vpc.id}"  
}
```

## SEPARATION OF CONCERNS – WEB APP

```
module "web_app_load_balancer" {  
  source      = "../../modules/loadbalancer"  
  environment = "${var.environment}"  
  vpc_id      = "${data.aws_vpc.vpc.id}"  
  subnets    = "${data.aws_subnet_ids.subnets.ids}"  
}
```

```
module "web_app_servers" {  
  source = "../../modules/web_server"  
  
  environment          = "${var.environment}"  
  instance_count       = 4  
  vpc_id               = "${data.aws_vpc.vpc.id}"  
  subnets             = "${data.aws_subnet_ids.subnets.ids}"  
  key_name              = "aws-meetup"  
  whitelisted_ips      = "${var.whitelisted_ips}"  
  loadbalancer_target_group_arn = "${module.web_app_load_balancer.target_group_arn}"  
  loadbalancer_security_group_id = "${module.web_app_load_balancer.security_group_id}"  
}
```