

# Monitoring & Alerting Checklist

## Infrastructure-as-Code (IaC) Project Template

Folder structure and key setup files for managing cloud infra with Terraform.

### Folder Structure

iac-project/

modules/

  vpc/

    main.tf

    variables.tf

    outputs.tf

environments/

  dev/

    main.tf

  staging/

    main.tf

  prod/

    main.tf

terraform.tfvars

main.tf

variables.tf

outputs.tf

backend.tf

README.md

### File Purposes

- main.tf core resource definitions
- variables.tf input variables
- outputs.tf return useful outputs
- terraform.tfvars variable values
- backend.tf backend config (e.g., S3)
- README.md project documentation

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## Backend Example

```
terraform {  
  backend "s3" {  
    bucket      = "my-tf-state-bucket"  
    key         = "env/dev/terraform.tfstate"  
    region      = "eu-west-2"  
    dynamodb_table = "tf-locks"  
    encrypt     = true  
  }  
}
```

## Example Module Use

```
module "vpc" {  
  source = "../modules/vpc"  
  cidr_block = var.vpc_cidr  
  tags      = var.tags  
}
```

## Best Practices

- Abstract with modules
- Isolate environments
- Use remote backends with locking
- Version modules
- Always fmt & validate

## Maintainer

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