

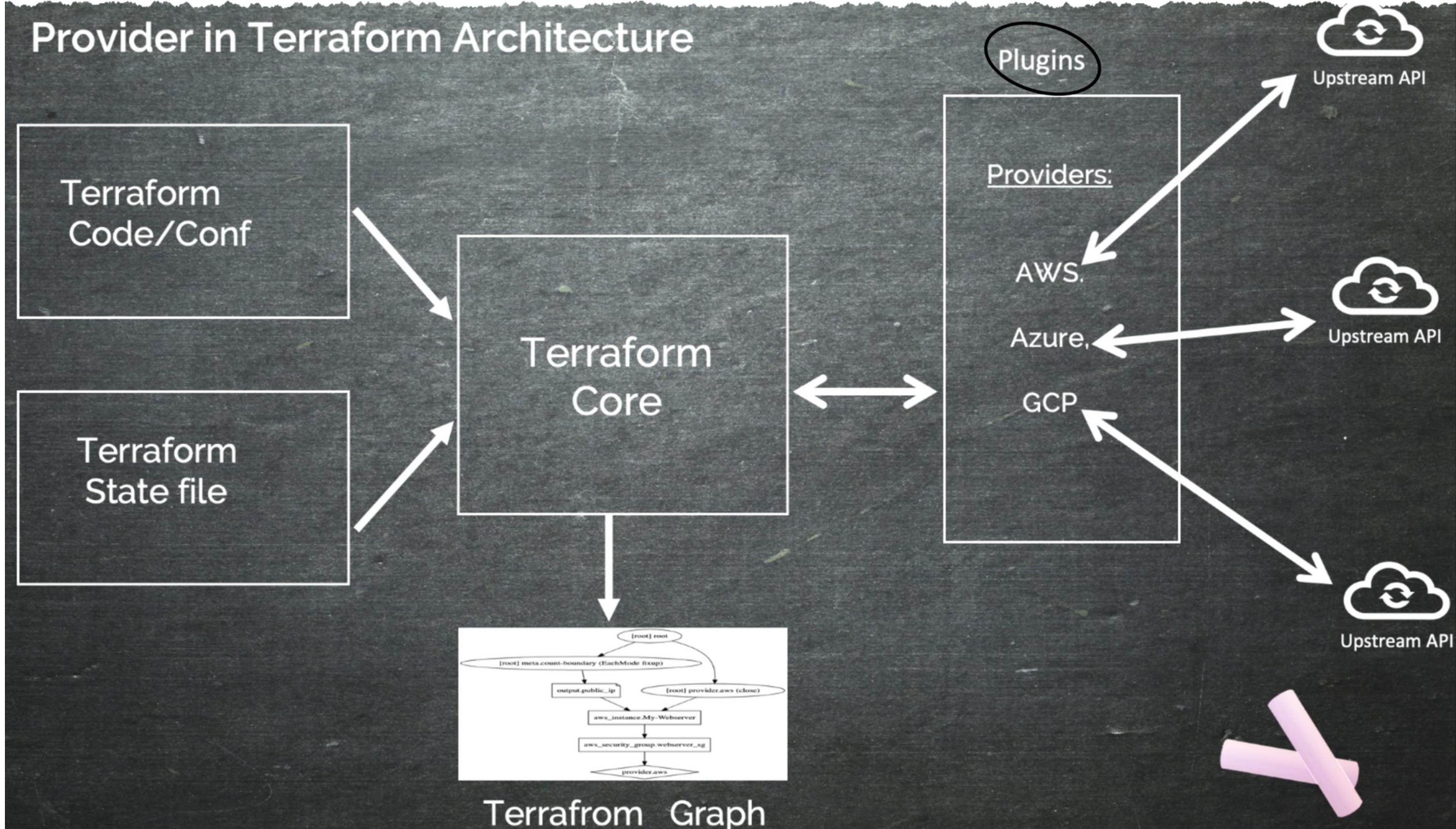
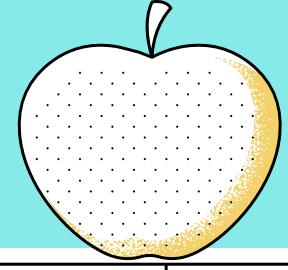
AWS as Provider

Topics covered:

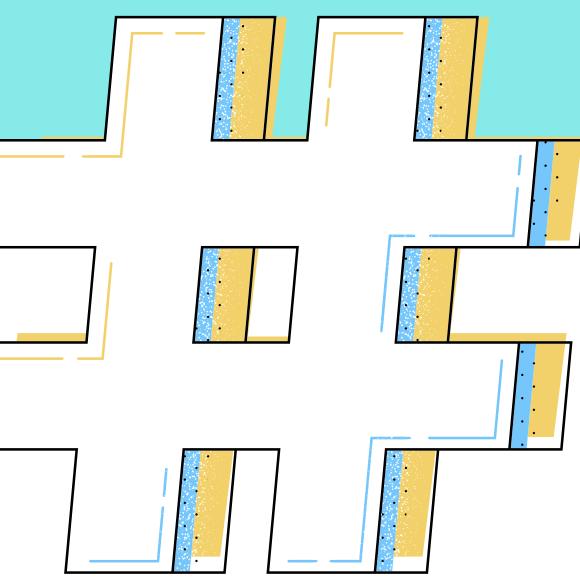
- Terraform architecture where provider fits in
- 3 lines of code : provider
- 4 places terraform looks for credential information
- Brief intro role assignment to EC2



Terraform architecture where provider fits in

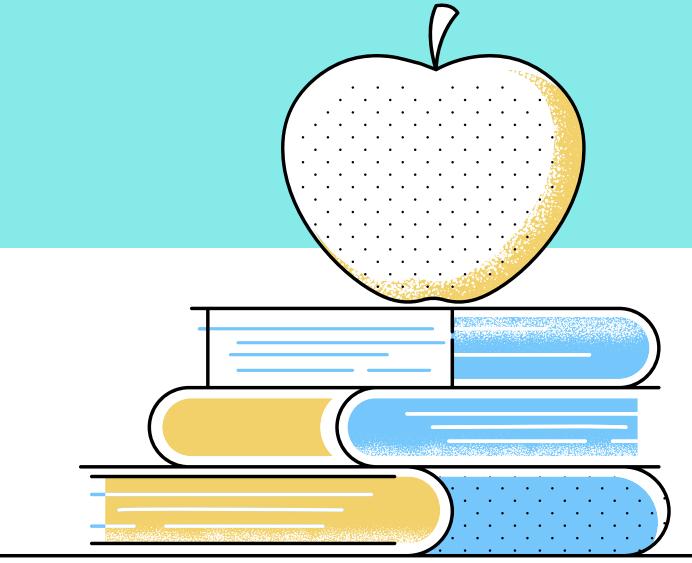


Code : define AWS as provider



```
provider "aws" {  
    region = "us-east-1"  
}
```

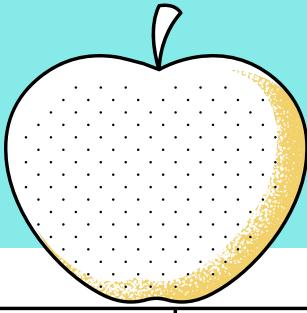
Four places terraform looks for credentials to authenticate against AWS



1. Static credentials declared in provider section of code
2. Export as environment variables

```
export AWS_ACCESS_KEY="access_key"  
export AWS_SECRET_KEY="secret_access_key"  
export AWS_DEFAULT_REGION="us-east-1"
```
3. Shared credentials (~/.aws/credentials)
4. EC2 role (such as Jenkins build server or any ec2 instance used for resource provisioning)

EC2 role assignment: one of the safe to create build server



EC2-role assigned to Instance

