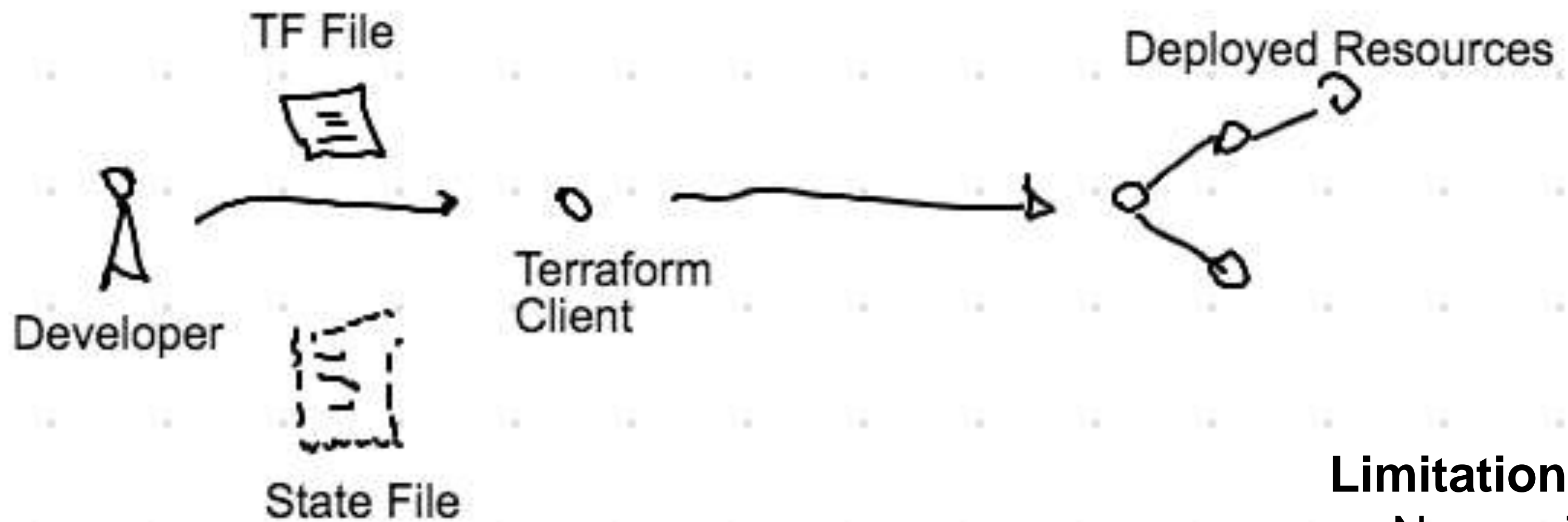




# Terraform Open Source vs Enterprise



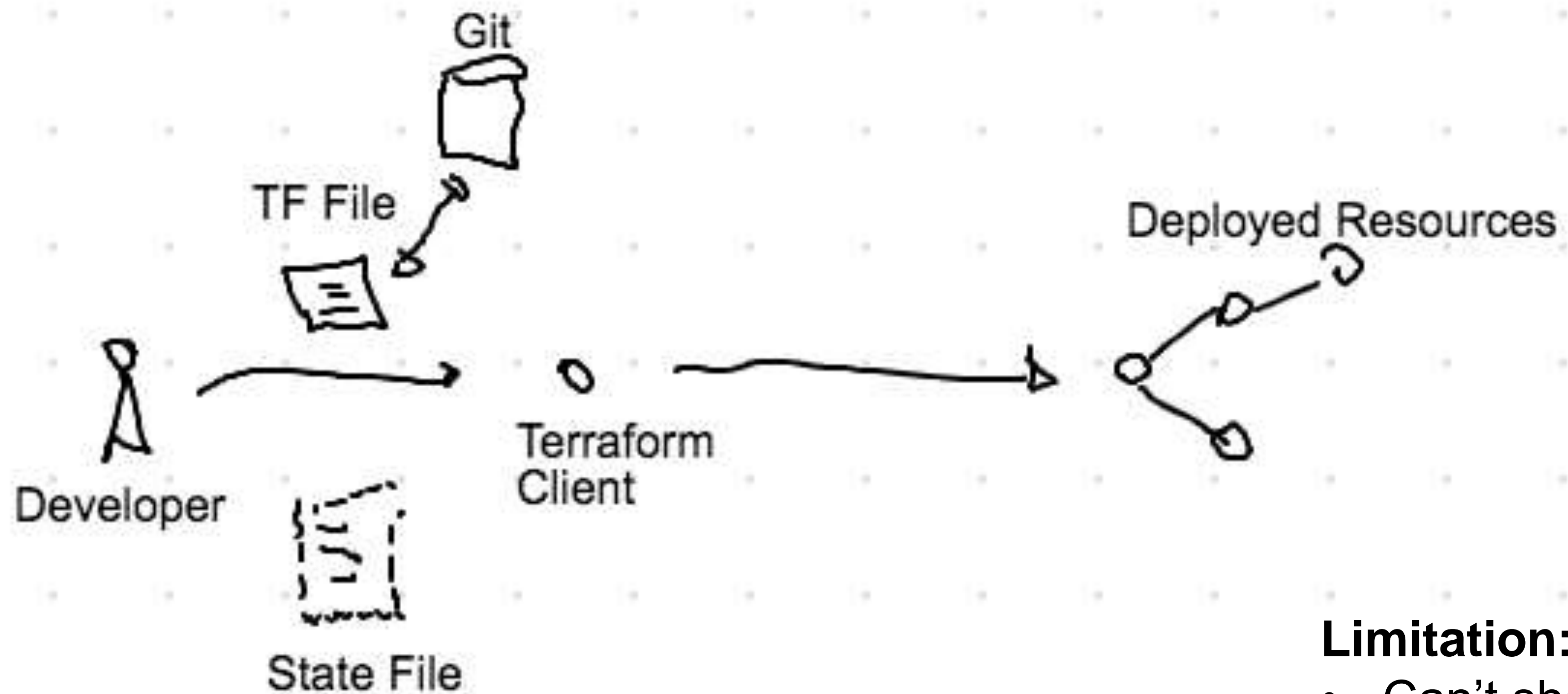
# Terraform Open Source – Phase1



## Limitation:

- No version control!

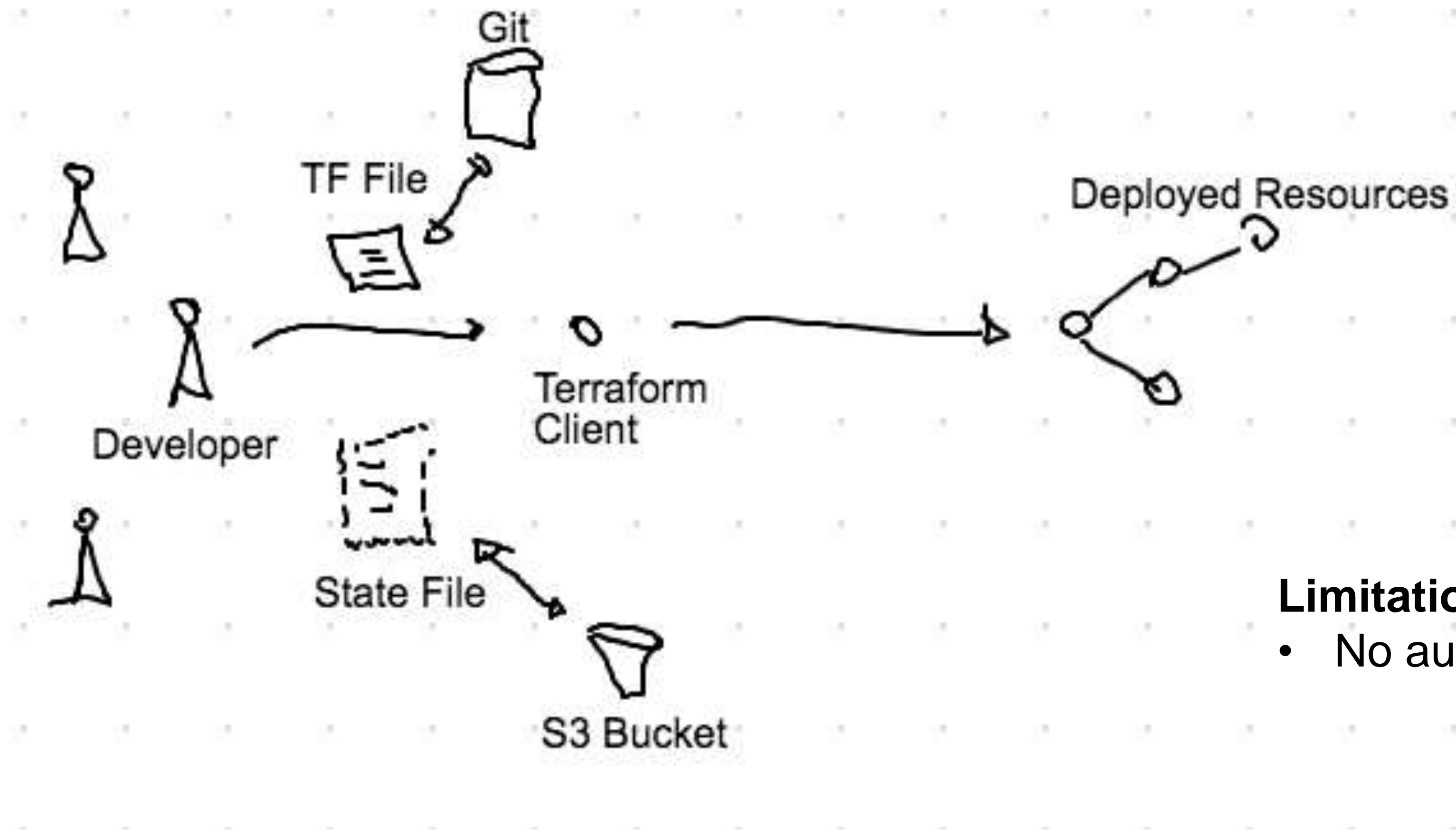
# Terraform Open Source – Phase 2



## Limitation:

- Can't share state easily!

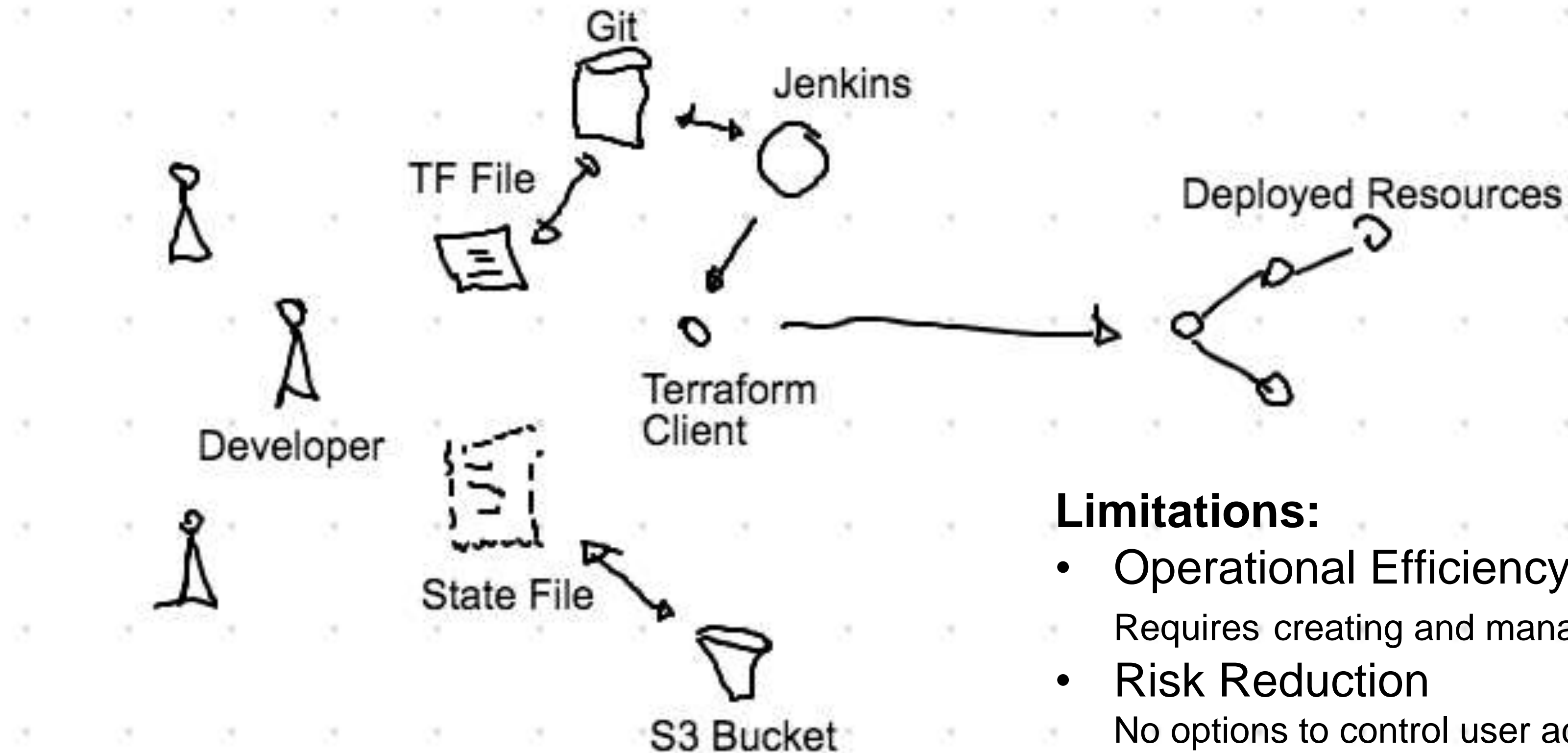
# Terraform Open Source – Phase 3



## Limitation:

- No automation pipeline!

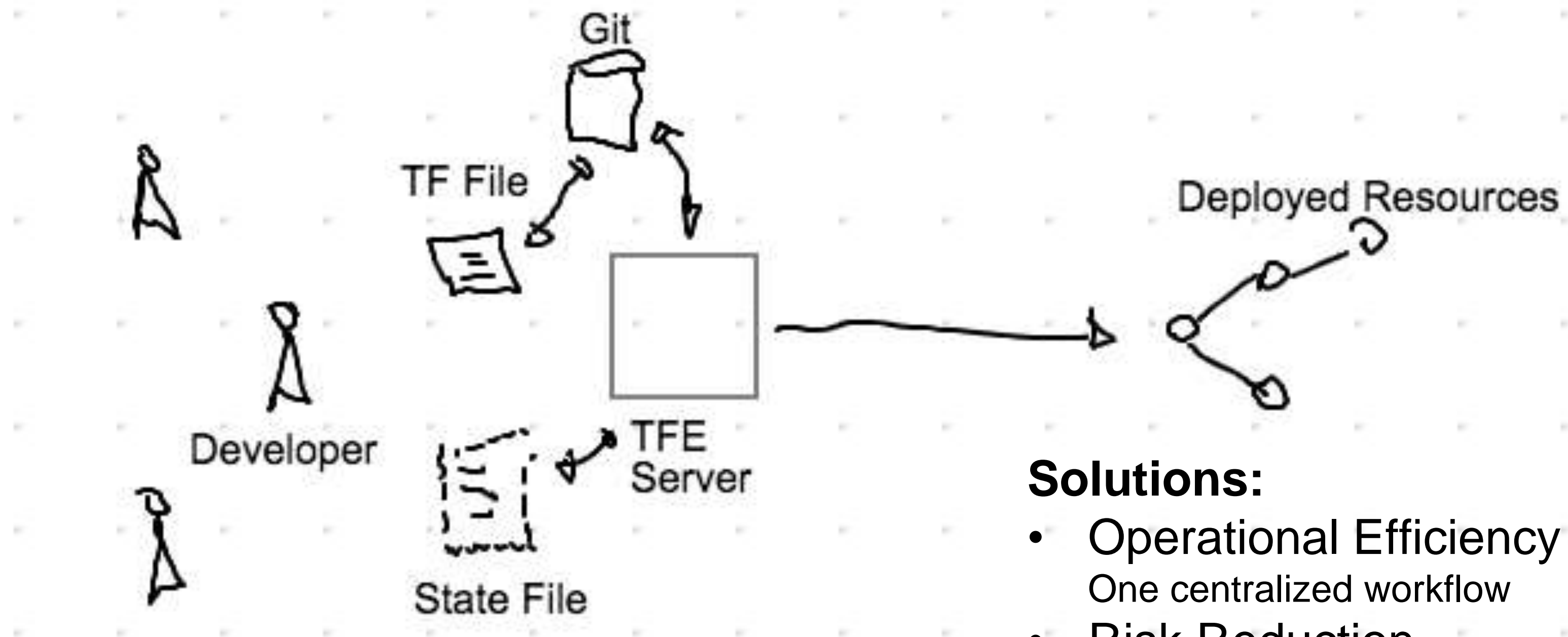
# Terraform Open Source – Phase 4



## Limitations:

- Operational Efficiency
  - Requires creating and managing external tools and workflows
- Risk Reduction
  - No options to control user access and share secrets
- Control Cloud Costs
  - No guardrails to safely enable self-service

# Terraform Enterprise



## Solutions:

- Operational Efficiency  
One centralized workflow
- Risk Reduction  
ACL controls per workspace, sensitive variables
- Control Cloud Costs  
Sentinel allows enforcing governance and best practices



# Terraform Enterprise Features

## 1 VCS Connection

Write, version, review, collaborate on code.

### ENTERPRISE

Automate and trigger runs through connection between Terraform and Major VCS providers.

## 2 Private Module Registry

Share code across the organization.

### ENTERPRISE

Manage module lifecycle using versions which can be enforced by Sentinel, and enable self-service.

## 3 Workspaces

Decompose monolithic infrastructure into logical micro-infrastructures.

### ENTERPRISE

Map functional responsibilities to individual workspaces & interlink workspace outputs via APIs.

## 4 Variables

Granular variables allow easy reuse of code to scale resources, regions, etc.

### ENTERPRISE

All variables are securely stored and retrieved as needed during the provisioning process.

## 5 Runs and State

Two-phased provisioning automation: a plan (dry run) & apply (execution). Output stored in state file.

### ENTERPRISE

Remote runs (GUI, CLI, or API executed) and state storage.

## 6 Policy as Code

Sentinel, a policy as code framework to automate policy controls into workflows.

### ENTERPRISE

Create every provisioning run to enforce security, compliance, and operational best practices.



# Terraform Enterprise Features

- 7

API Endpoints

Enable remote calls.

ENTERPRISE

Allows external tools and clients to interact with Terraform remotely
- 8

Notifications

Trigger external notifications.

ENTERPRISE

Support for Slack calls and web hooks.
- 9

Terraform Enterprise Provider

Automate workspace provisioning.

ENTERPRISE

Terraform provider that allows for flexible workflow and configuration.
- 10

Enhanced Remote State

Supports flexible workflows.

ENTERPRISE

Allows clients to have workflow similar to open source, while enjoying the benefits of Terraform enterprise.
- 11

Audit Logs

For enterprise compliance.

ENTERPRISE

Allows logging of every request made within terraform.
- 12

SAML Integration

Automate user creation.

ENTERPRISE

Connects to existing servers to import users directly into Terraform teams, making for an easy onboarding experience.



# Demo!





# Thank you

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