

Hands-on Infrastructure Automation with Terraform on AWS

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Modifying resources

Section 3

Managing state

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State

- **Local state**

「\ (ツ) /」

IT WORKS

on my machine

State

- ~~Local state~~
- **Version control?**

Using git to store
state is a **bad**
idea

- maintenance overhead
- secrets in plain text

State

- ~~Local state~~
- ~~Version control~~
- **Remote state**

Backends

- Terraform Enterprise
- S3
- Consul
- etcd
- HTTP
- and more

- Managed infrastructure

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- High durability and availability

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- Not expensive to use

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- Supports encryption in transit and at rest
- Supports versioning

Best practices

- Do not store state locally
- Do not commit state to version control
- If using S3:
 - Enable versioning
 - Enforce encryption
 - Store state close to the infrastructure
 - Limit access to the bucket

Building a multi-tier environment

Next Section