









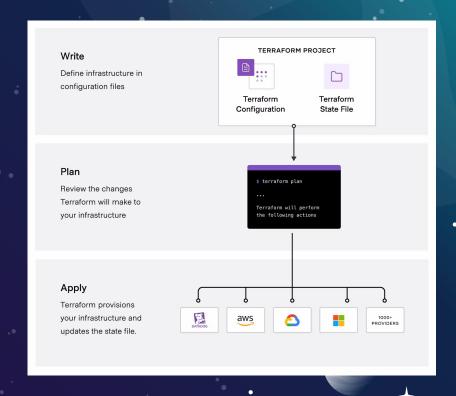
Hello!

I AM EVE BRENNAN

I am a Cloud Engineer III at Business Insider I also organise DevOps Belfast

+ WHAT IS TERRAPORM?

- ★ Infrastructure as Code (IaC) tool.
- ★ Released in 2014.
- ★ Owned by HashiCorp.



THE INTRODUCTION OF BSL

Terraform initially launched under the Mozilla Public License, aligning with Hashimoto's open-source philosophy.

On August 10th, 2023, HashiCorp announced a shift in licensing to the Business Source License (BSL) for Terraform version 1.5.5 onwards, restricting commercial usage.

This unexpected change sparked concern within the user community, leading to the formation of a fork named OpenTofu.



THE LAUNCH OF OPENTOPU

- ★ OpenTofu is a fork of Terraform v1.5.5.
- ★ It is supported by the Linux Foundation.
- ★ It is compatible with existing providers and modules in the Terraform registry.

OpenTofu reached General Availability (i.e. its first stable release) On 10th January, 2024.

ROADMAP DIVERGENCE

Terraform

- ★ issensitive function
- ★ Dynamic provider-defined functions
- decode_tfvars, encode_tfvars, and encode_expr functions
- ★ terraform test

OpenTofu

- ★ State encryption
- ★ Dynamic provider-defined functions
- ★ tofu test
- ★ Loopable import blocks
- Variables as module sources

https://github.com/opentofu/opentofu/issues/1496

removed.go OpenTofu MPL-2.0 // Removed represents a removed block in the configuration. type Removed struct { From *addrs.RemoveEndpoint DeclRange hcl.Range func decodeRemovedBlock(block *hcl.Block) (*Removed, hcl.Diagnostics) { var diags hcl.Diagnostics removed := &Removed{ DeclRange: block.DefRange, content. moreDiags := block.Body.Content(removedBlockSchema) diags = append(diags, moreDiags...) if attr, exists := content.Attributes["from"]: exists { from. traversalDiags := hcl.AbsTraversalForExpr(attr.Expr) diags = append(diags,

if !traversalDiags.HasErrors() {

diags = append(diags.

removed.From = from

from, fromDiags :=

traversalDiags...)

fromDiags.ToHCL()...)

addrs.ParseRemoveEndpoint(from)

```
moved.go
```

OpenTofu/Terraform MPL-2.0

type Moved struct {

From *addrs.MoveEndpoint

DeclRange hcl.Range

(*Moved, hcl.Diagnostics) {

moved := &Moved{

*addrs.MoveEndpoint

func decodeMovedBlock(block *hcl.Block)

DeclRange: block.DefRange,

var diags hcl.Diagnostics

content. moreDiags :=

if attr, exists :=

addrs.ParseMoveEndpoint(from)

traversalDiags...)

fromDiags.ToHCL()...)

block.Body.Content(movedBlockSchema)

content.Attributes["from"]: exists {

hcl.AbsTraversalForExpr(attr.Expr)

from. traversalDiags :=

from, fromDiags :=

moved.From = from

diags = append(diags.

diags = append(diags,

```
diags = append(diags, moreDiags...)
    if !traversalDiags.HasErrors() {
```

removed.go

Terraform BUSL-1.1

```
// Removed describes the contents of a "removed"
block in configuration.
type Removed struct {
     // From is the address of the configuration
object being removed.
     From *addrs.RemoveTarget
     // Destroy indicates that the resource
should be destroyed, not just removed
    // from state. Defaults to true.
     Destroy bool
     DeclRange hcl.Range
func decodeRemovedBlock(block *hcl.Block)
(*Removed, hcl.Diagnostics) {
     var diags hcl.Diagnostics
     removed := &Removed{
          DeclRange: block.DefRange,
     content. moreDiags :=
block.Body.Content(removedBlockSchema)
     diags = append(diags, moreDiags...)
     if attr, exists :=
content.Attributes["from"]: exists {
          from, traversalDiags :=
hcl.AbsTraversalForExpr(attr.Expr)
          diags = append(diags,
traversalDiags...)
          if !traversalDiags.HasErrors() {
               from, fromDiags :=
addrs.ParseRemoveTarget(from)
               diags = append(diags.
fromDiags.ToHCL()...)
               removed.From = from
```

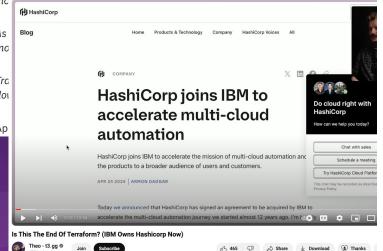
IBM Newsroom

News ∨ Media resources ∨ Inside IBM ∨ Blog ∨

IBM to Acquire HashiCorp, Inc. Creating a Comprehensive End-to-End Hybrid Cloud Platform

\$6.4 billion acquisition adds suite of leading hybrid and multi-cloud lifecycle manas clients grappling with today's AI-driven application growth and complexity

HashiCorp's capabilities to drive significant synergies across multiple strategic grow

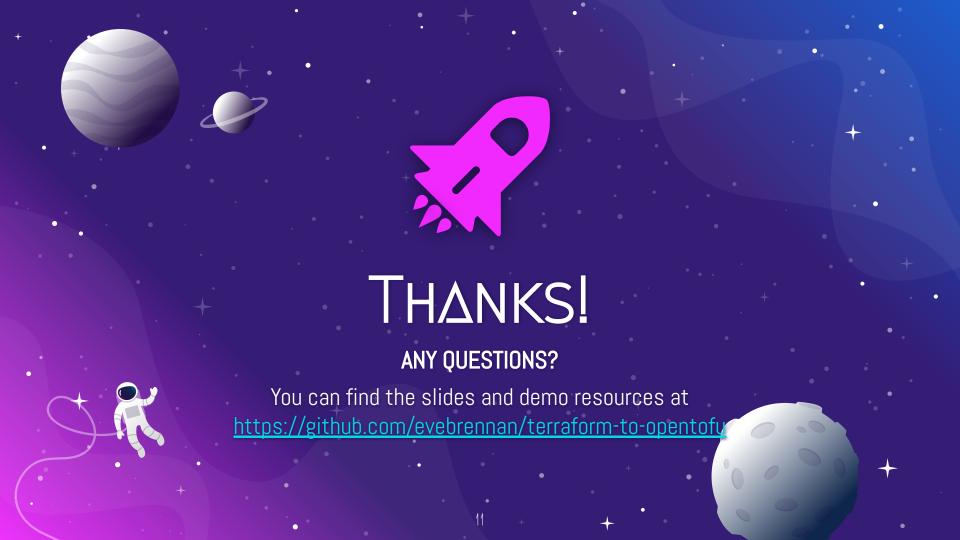


IBM nearing deal for cloud software provider HashiCorp, source says

By Arsheeya Bajwa

April 23, 2024 8:43 PM GMT+1 · Updated 2 days ago





Beperences

- https://www.hashicorp.com/resources/the-story-of-hashicorp -terraform-with-mitchell-hashimoto
- https://www.hashicorp.com/blog/mitchell-reflects-as-he-dep arts-hashicorp
- https://blog.gruntwork.io/the-impact-of-the-hashicorp-license -change-on-gruntwork-customers-5fcd096ba86a
- https://opentofu.org/blog/opentofu-1-7-0/
- https://opentofu.org/docs/intro/migration/terraform-1.5-or-lower/

Abstract

In August 2023, HashiCorp's controversial switch to the newly coined Business Source License (BSL) for Terraform ignited discussions in the AWS user community about the future of open source IaC software. This talk dives into the implications for those using Terraform to provision their AWS infrastructure and explores the newly emerged OpenTofu fork. We'll break down the BSL's impact and take a look at what's involved with migrating to OpenTofu. Finally, we'll tackle the key question: is it worth switching to OpenTofu?