

Validate Lab 1.2

Use `terraform validate` to confirm that the files are syntactically and logically sound.
Add a new variable to variables.tf.

Overview

In this lab you will

- validate the syntax and logical consistency in the files
- add an additional variable

Starting point

Your files should currently look like this:

- provider.tf
 - terraform {
 - required_providers {
 - azurerm = {
 - source = "hashicorp/azurerm"
 - version = "~>3.1"
 - }
 - }
 - }
 -
 - provider "azurerm" {
 - features {}
 -
 - storage_use_azuread = true
 - }
- variables.tf
 - variable "resource_group_name" {
 - description = "Name for the resource group"
 - type = string
 - default = "terraform-basics"
 - }
- main.tf
 - resource "azurerm_resource_group" "basics" {
 - name = var.name
 - location = "West Europe"
 - }

terraform validate

1. Run terraform validate

The terraform validate command checks for syntax errors or internal logical inconsistencies in the files.

```
terraform validate
```

Note that terraform validate only looks at the content of the files. It does not reach into the providers to check if the arguments and value are valid.

```
|
| Error: Reference to undeclared input variable
|
|   on main.tf line 2, in resource "azurerm_resource_group" "basics":
|     2:   name      = var.name
|
| An input variable with the name "name" has not been declared.
| This variable can be declared with a variable "name" {} block.
|
```

The command has correctly confirmed that there is an inconsistency in the variable name.

2. Edit main.tf
3. Correct the variable name to var.resource_group_name
4. Revalidate
5. terraform validate

Example output:

```
Success! The configuration is valid.
```

Add a variable

Up to this point you could progress by simply copying the code blocks and following the instructions, but now it is time to deal with the first challenge section!

- Create a new variable named **location**
- Default the value to **West Europe**
- Add a description for the variable: **Azure region**
- Update the resource group to use the location variable
- Format and validate your files

Summary

We have reached the end of the lab. You have added a second variable to the configuration and used the `terraform validate` command to check for validity and consistency.

Move onto the next lab and we'll specify variables and plan the deployment.
