



# Terraform



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terraform apply -refresh-only  
command



▶ terraform apply -refresh-only



main.tf



terraform.tfstate



terraform.tfstate.backup

REAL STATE



# terraform apply -refresh-only

BEFORE s3-bucket delete manually



main.tf

- 1 ec2
- 1 S3- bucket



terraform.tfstate

- 1 ec2
- 1 S3- bucket



terraform.tfstate.backup

- 1 ec2
- 1 S3- bucket

REAL STATE

- 1 ec2
- 1 S3- bucket



# terraform apply -refresh-only

AFTER s3-bucket delete manually



main.tf

- 1 ec2
- 1 S3- bucket



terraform.tfstate

- 1 ec2
- 1 S3- bucket



terraform.tfstate.backup

- 1 ec2
- 1 S3- bucket

REAL STATE

- 1 ec2



# terraform apply -refresh-only

AFTER terraform apply -refresh-only



main.tf

- 1 ec2
- 1 S3- bucket



terraform.tfstate

- 1 ec2



terraform.tfstate.backup

- 1 ec2
- 1 S3- bucket

REAL STATE

- 1 ec2



# terraform apply -refresh-only

AFTER terraform apply



main.tf

- 1 ec2
- 1 S3- bucket



terraform.tfstate

- 1 ec2
- 1 S3- bucket



terraform.tfstate.backup

- 1 ec2

REAL STATE

- 1 ec2
- 1 S3- bucket



## Notes:

- If you change your infrastructure, change it on main.tf file. **Not do it manually.**
- **terraform refresh** command is deprecated, because its default behavior is unsafe if you have misconfigured credentials for any of your providers.
- 
- It is not recommend using it because it provides no opportunity to review the effects of the operation before updating the state.



## Notes:

- You shouldn't typically need to use this command, because Terraform automatically performs the same refreshing actions as a part of creating a plan in both the terraform plan and terraform apply commands.
- Use **terraform apply -refresh-only** command instead of it.

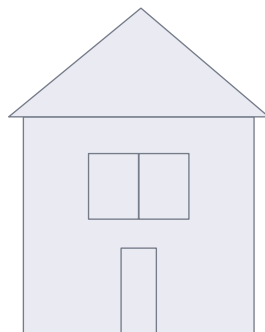


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## Modules and Variables

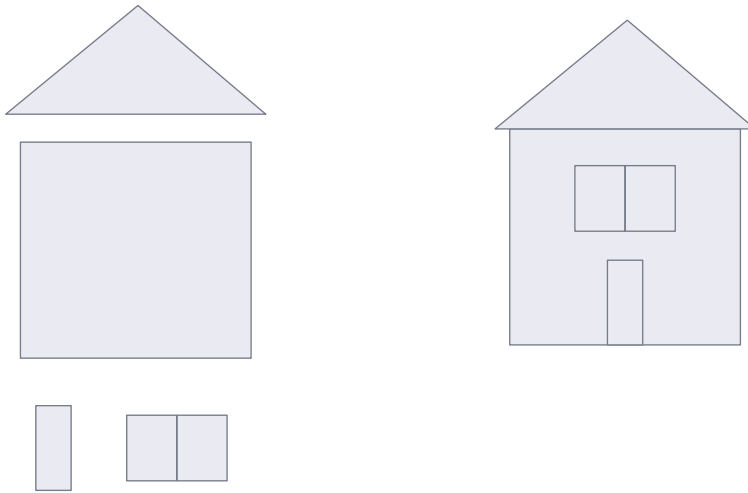


## Modules and Variables





# ► Modules and Variables



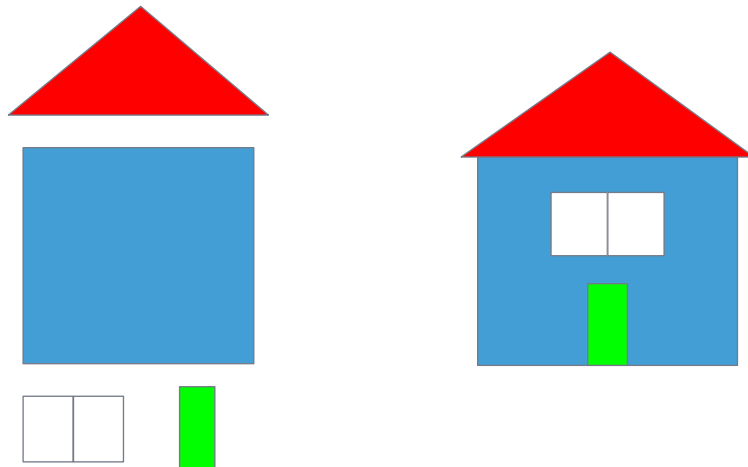
# ► Modules and Variables

Variables

Modules

Infrastructure

roof	= red
wall	= blue
window	= white
door	= green



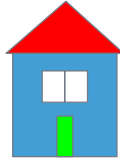


# Modules and Variables



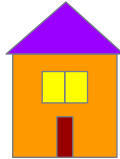
Oliver

roof = red  
wall = blue  
window = white  
door = green



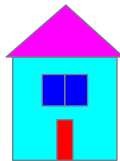
Tomy

roof = purple  
wall = orange  
window = yellow  
door = red berry



Tyler

roof = magenta  
wall = cyan  
window = blue  
door = red



# Modules and Variables



Oliver

roof = red  
wall = blue  
window = white  
door = green



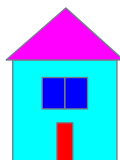
Tomy

roof = purple  
wall = orange  
window = yellow  
door = red berry



Tyler

roof = magenta  
wall = cyan  
window = blue  
door = red







# ► Modules and Variables

## Variables

## Modules

```
ami           = var.ec2_ami
instance_type = var.instance_type
key_name      = var.key_name
tags         = var.tags
```



Amazon EC2



# THANKS!

## Any questions?

You can find me at:

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