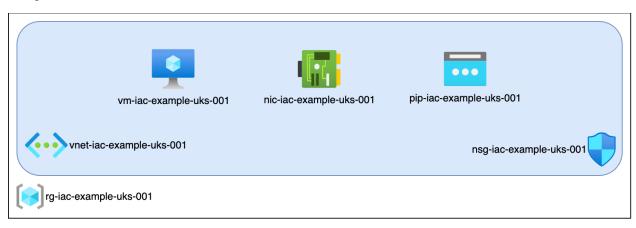
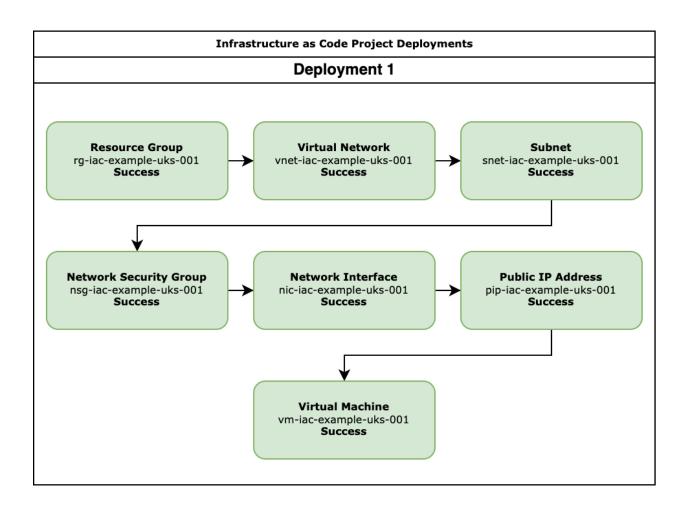
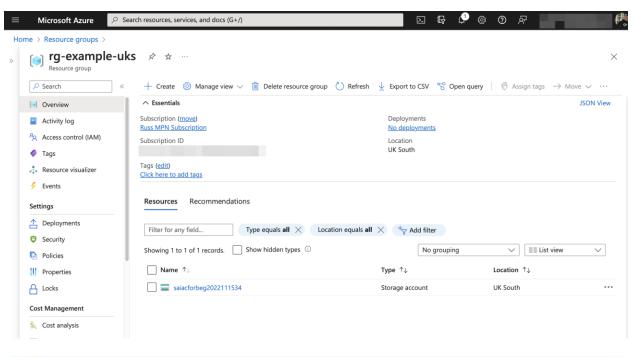
# Chapter 1: Choosing the Right Approach – Declarative or Imperative

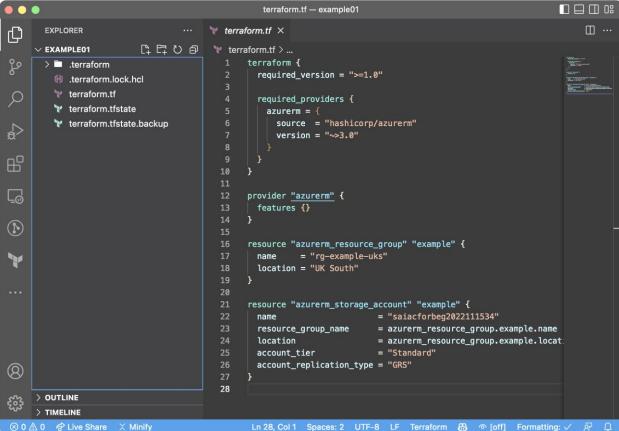


Infrastructure as Code Project Deployments					
Deployment 1	Deployment 2	Virtual Network vnet-iac-example-uks-001 No Change			
Virtual Network vnet-iac-example-uks-001 Failed	Virtual Network vnet-iac-example-uks-001 Success				
Resource Group rg-iac-example-uks-001 Success	Resource Group rg-iac-example-uks-001 No Change	Resource Group rg-iac-example-uks-001 No Change			
Network Security Group nsg-iac-example-uks-001 Failed	Network Security Group nsg-iac-example-uks-001 Failed	Network Security Group nsg-iac-example-uks-001 Success			
Subnet snet-iac-example-uks-001 Failed	Subnet snet-iac-example-uks-001 Success	Subnet snet-iac-example-uks-001 No Change			
Public IP Address pip-iac-example-uks-001 Failed	Public IP Address pip-iac-example-uks-001 Failed	Public IP Address pip-iac-example-uks-001 Failed			
Virtual Machine vm-iac-example-uks-001 Failed	Virtual Machine vm-iac-example-uks-001 Failed	Virtual Machine vm-iac-example-uks-001 Failed			
Network Interface nic-iac-example-uks-001 Failed	Network Interface nic-iac-example-uks-001 Success	Network Interface nic-iac-example-uks-001 No Change			

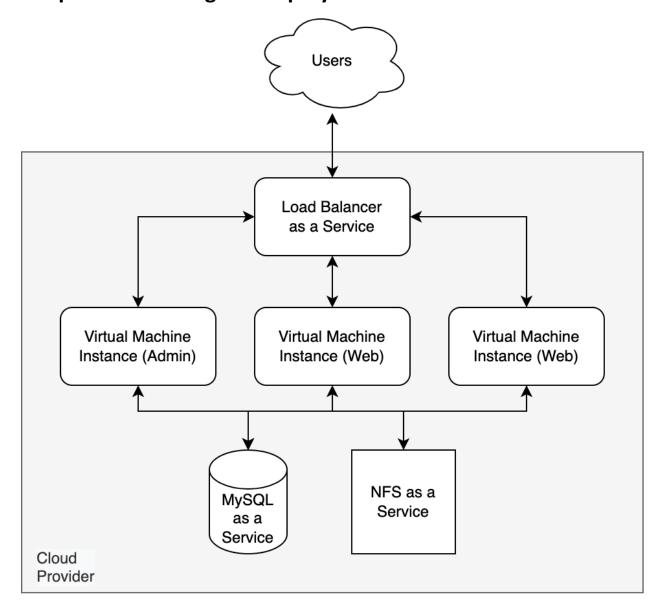


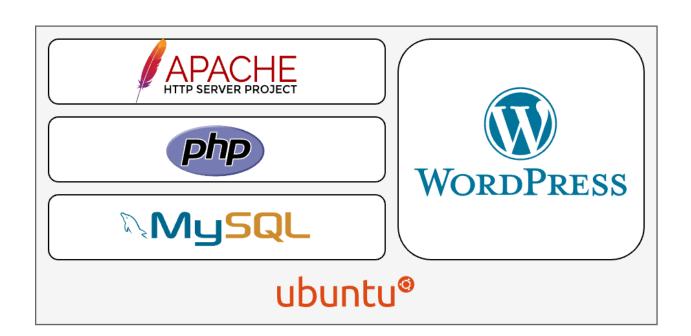
## **Chapter 2: Ansible and Terraform Beyond the Documentation**



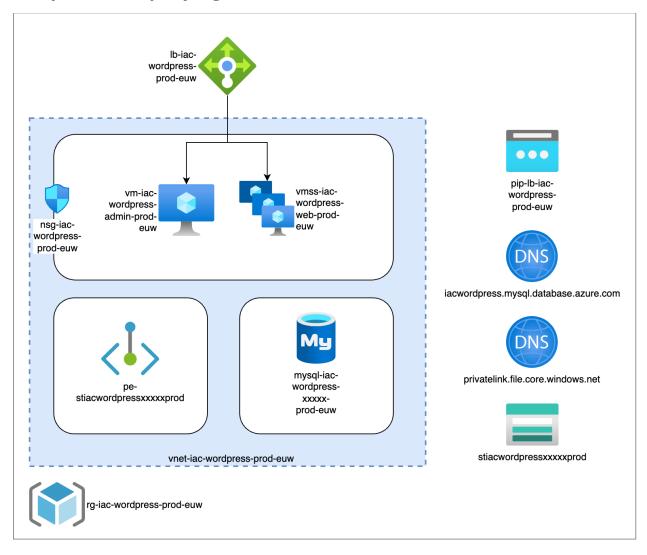


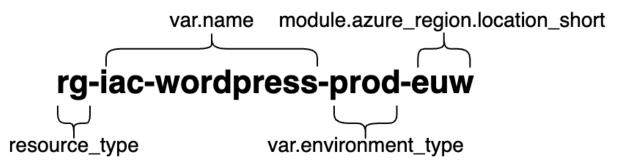
**Chapter 3: Planning the Deployment** 

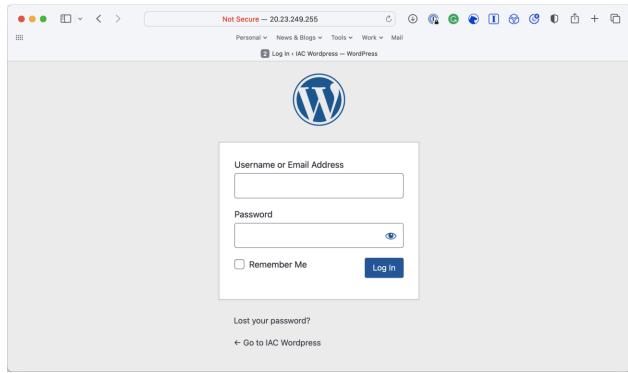


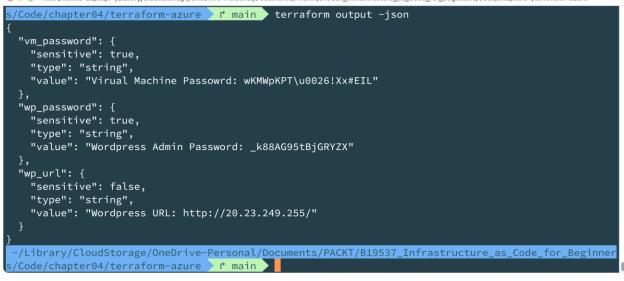


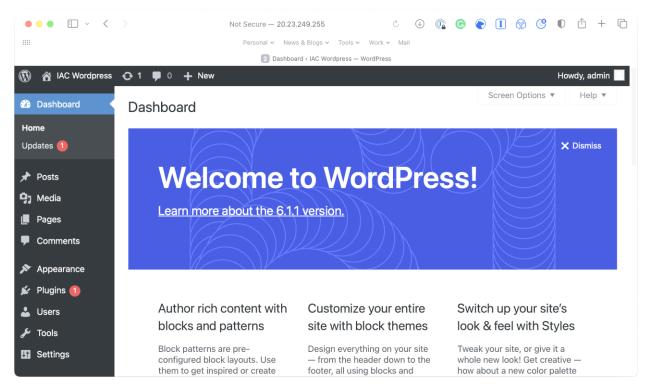
# **Chapter 4: Deploying to Microsoft Azure**

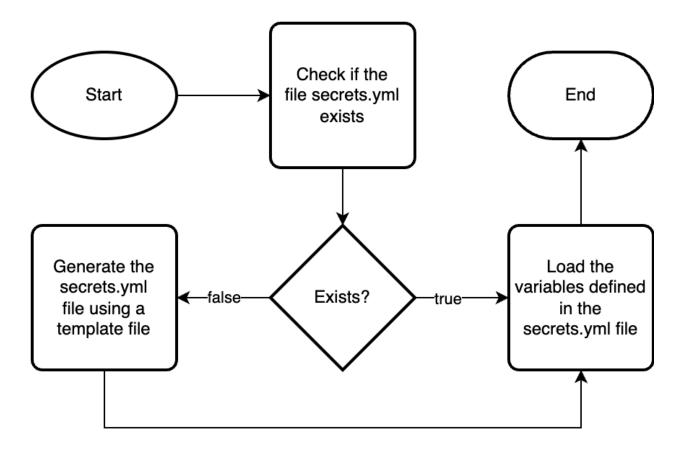












```
🔞 🥛 🌘 russ@Russs-Laptop:~/Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537_Infrastructure_as_Code_for_Beginners/Code/chapter04/ansi...
changed: [localhost]
TASK [roles/azure-vmss-web : Generate temp web cloud-init file] *****************
TASK [roles/azure-vmss-web : Create the web cloud-init file from a template file] **********
changed: [localhost]
TASK [roles/azure-vmss-web: Create VMSS with an image that requires plan information] *************
[WARNING]: Module did not set no_log for ssh_password_enabled
ok: [localhost] => {
    "msg": [
       "Virual Machine Passowrd: gNNnx@eIO-bES6wsDRER",
       "Wordpress Admin Password: CV2YTCxkUImxHpU*-i0@",
       "Wordpress URL: http://52.166.172.87/"
PLAY RECAP ******************
                       : ok=48 changed=30
                                          unreachable=0
    ignored=0
 /Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537_Infrastructure_as_Code_for_Beginner-
 /Code/chapter04/ansible-azure 🔰 main 🔪
```

# **Chapter 5: Deploying to Amazon Web Services**

```
aws --version
aws-cli/2.9.17 Python/3.11.1 Darwin/22.3.0 source/arm64 prompt/off

aws ec2 describe-regions

{

"Regions": [

{

"Endpoint": "ec2.ap-south-1.amazonaws.com",

"RegionName": "ap-south-1",

"OptInStatus": "opt-in-not-required"

},

{

"Endpoint": "ec2.eu-north-1.amazonaws.com",

"RegionName": "eu-north-1",

"OptInStatus": "opt-in-not-required"

},

{

"Endpoint": "ec2.eu-north-1.amazonaws.com",

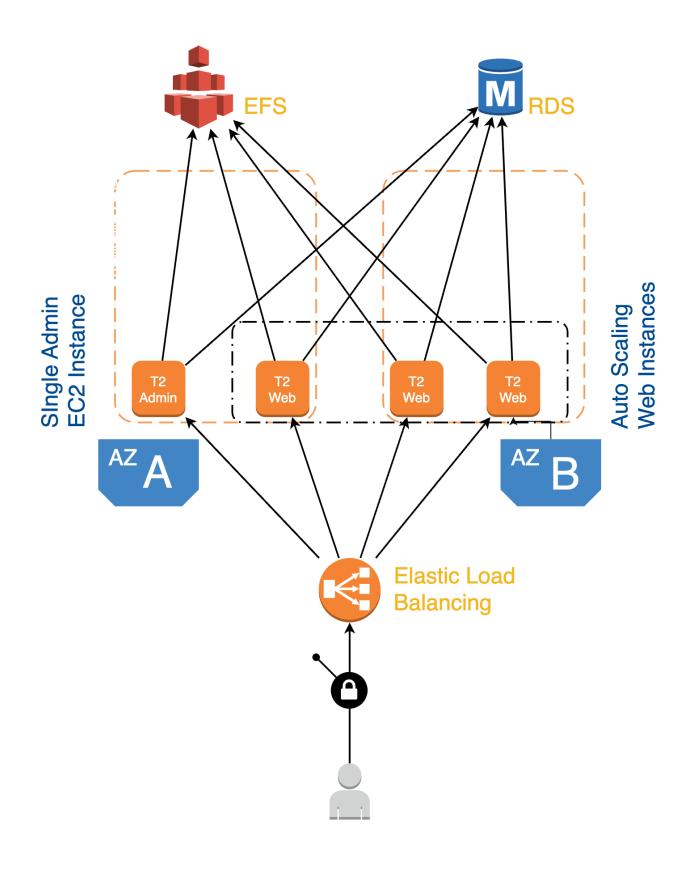
"RegionName": "eu-north-1",

"OptInStatus": "opt-in-not-required"

},

{

"Endpoint": "ec2.eu-west-3.amazonaws.com",
```



```
*************************
**************************
  "msg": [
     "Wordpress Admin Username: admin",
     "Wordpress Admin Password: &Yn-txWSIYoFThGfflAg",
     "Wordpress URL: http://iac-wordpress-prod-lb-1367747359.us-east-1.elb.amazonaws.com/"
**************************
                : ok=31 changed=23 unreachable=0 failed=0 skipped=1 rescued=0
                                                                 ignored=0
     russ.mckendrick @Russs-MBP: {\tt \climate}/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537\_Infrastructure\_as\_Code\_for\_Beginners/Code/Chapter05/ansible-aws
FAILED - RETRYING: [localhost]: Get information about the admin EC2 instance to see if its running (50 retries left).
FAILED - RETRYING: [localhost]: Get information about the admin EC2 instance to see if its running (49 retries left).

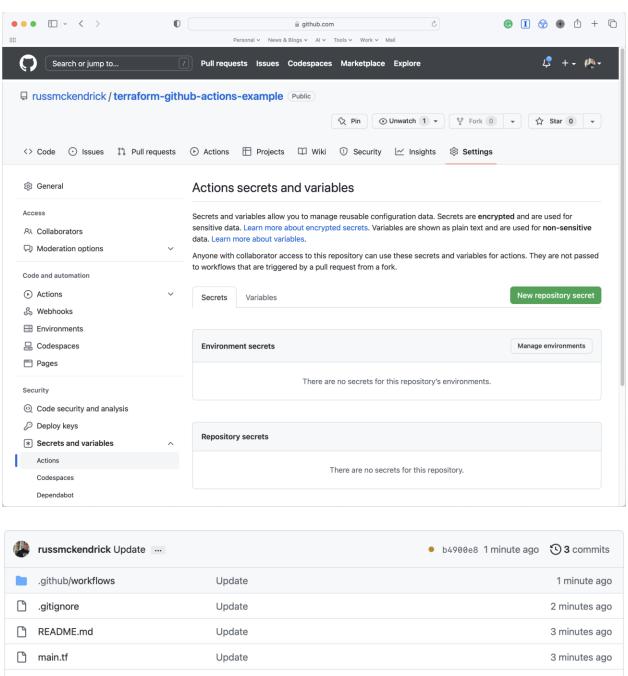
FAILED - RETRYING: [localhost]: Get information about the admin EC2 instance to see if its running (48 retries left).
russ.mckendrick@Russs-MBP: \sim Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537\_Infrastructure\_as\_Code\_for\_Beginners/Code/Chapter05/ansible-aws
changed: [localhost] => (item=10.0.0.0/27)
changed: [localhost] => (item=10.0.0.32/27)
changed: [localhost] => (item=10.0.0.64/27)
changed: [localhost] => (item=10.0.0.96/27)
: ok=19 changed=13 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
sible-aws 📝 main 🔪
     russ.mckendrick@Russs-MBP:~/Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537 Infrastructure as Code for Beginners/Code/Chapter05/ansible-aws
changed: [localhost] => (item=iac-wordpress-prod-efs-security-group)
changed: [localhost] => (item=iac-wordpress-prod-rds-security-group)
FAILED - RETRYING: [localhost]: Delete the security groups (25 retries left).
changed: [localhost] => (item=iac-wordpress-prod-web-security-group)
```

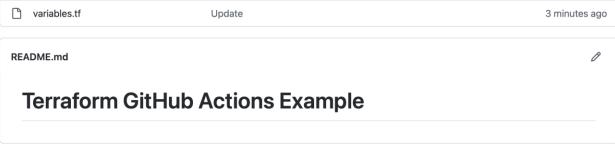
russ.mckendrick@Russs-MBP:~/Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537\_Infrastructure\_as\_Code\_for\_Beginners/Code/Chapter05/ansible-aws

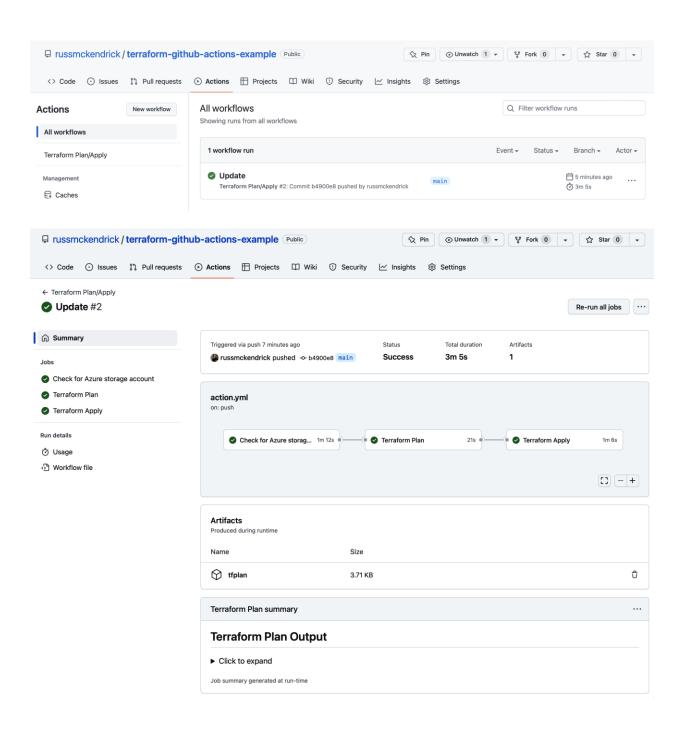
#### **Chapter 6: Building upon the Foundations**

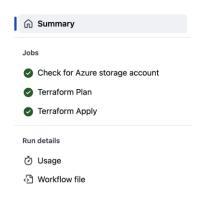
```
    Intractive the state of th
changed: [vm-iac-ansible-uks]
changed: [vm-iac-ansible-uks] => (item=nginx)
TASK [roles/application : Copy the index file to the web server] **********************************
changed: [vm-iac-ansible-uks]
ok: [vm-iac-ansible-uks] => {
         "msg": [
                   "Application URL: http://20.90.108.92/"
lhost : ok=5 changed=2 unreachable=0 failed=0 skipped=1 rescued=
ignored=0
vm-iac-ansible-uks : ok=6 changed=3 unreachable=0 failed=0 skipped=0 rescued=
           ignored=0
   ~/Library/CloudStorage/OneDrive-Personal/Documents/PACKT/B19537_Infrastructure_as_Code_for_Beginner
  s/Code/Chapter06/ansible-terraform-azure 🄰 main 🛨 🚬
  • • • • · · · · ·
                                                                                                                                                                                      Not Secure — 20.90.76.169
  ::::
                                                                                         Personal V News & Blogs V Tools V Work V Mail
                                                                             Infrastructure as Code for
                                                                                                      Beginners
                                                                    This Virtual Machine was launched using Terraform and Ansible
```

# Chapter 7: Leveraging CI/CD in the Cloud

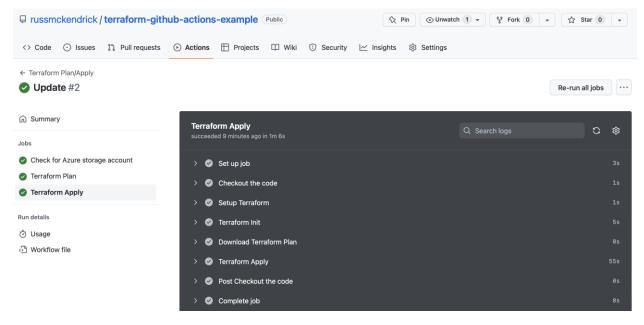












Job summary generated at run-time

## **Chapter 8: Common Troubleshooting Tips and Best Practices**

### **Chapter 9: Exploring Alternative Infrastructure as Code Tools**

pulumi up -c Pulumi.dev.vaml

Please choose a stack, or create a new one: [Use arrows to move, type to filter]

<create a new stack>



