Лабораторна робота 15

Тема: Розгортання інфраструктури.

Мета: Оволодіти навичками по автоматичному розгортанню інфраструктури з використанням terraform.

Хід роботи

```
Командний рядок                                                    —    □    ×

C:\Terraform>Terraform init

Initializing the backend...

Initializing provider plugins...
- Finding terra-farm/virtualbox versions matching "0.2.2-alpha.1"...
- Installing terra-farm/virtualbox v0.2.2-alpha.1...
- Installed terra-farm/virtualbox v0.2.2-alpha.1 (self-signed, key ID 51EC33490F8CDBE5)

Partner and community providers are signed by their developers.
If you'd like to know more about provider signing, you can read about it here:
https://www.terraform.io/docs/cli/plugins/signing.html

Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.

C:\Terraform>
```

```
Командний рядок                                                    —    □    ×
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.

C:\Terraform>Terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
 + create

Terraform will perform the following actions:

 # virtualbox_vm.node[0] will be created
 + resource "virtualbox_vm" "node" {
     + cpus   = 2
     + id     = (known after apply)
     + image  = "https://app.vagrantup.com/ubuntu/boxes/xenial64/versions/20190507.0.0/providers/virtualbox.box"
     + memory = "512 mib"
     + name   = "node-01"
     + status = "running"

     + network_adapter {
         + device              = "IntelPro1000MTServer"
         + host_interface      = "Realtek PCIe GbE Family Controller"
         + ipv4_address        = (known after apply)
         + ipv4_address_available = (known after apply)
         + mac_address         = (known after apply)
         + status              = (known after apply)
         + type                = "bridged"
     }
```

Висновок: Я оволодів навичками по автоматичному розгортанню інфраструктури з використанням terraform.