

## Terraform tasks week 2: screenshots of deployed resources

### Task 1: Terraform state handling

Importing resource group created in portal

```
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/state-handeling$ terraform import azurerm_resource_group.rg_1 /subscriptions/dfc70de2-a519-4f23-a89b-b3672d39817e/resourceGroups/RG_to_import
azurerm_resource_group.rg_1: Importing from ID "/subscriptions/dfc70de2-a519-4f23-a89b-b3672d39817e/resourceGroups/RG_to_import"...
azurerm_resource_group.rg_1: Import prepared!
  Prepared azurerm_resource_group for import
azurerm_resource_group.rg_1: Refreshing state... [id=/subscriptions/dfc70de2-a519-4f23-a89b-b3672d39817e/resourceGroups/RG_to_import]

Import successful!

The resources that were imported are shown above. These resources are now in
your Terraform state and will henceforth be managed by Terraform.

ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/state-handeling$ terraform state list
azurerm_resource_group.rg_1
```

### Task2: Terraform dynamic resources

Deployed 5 subnets with for-each logic:

```
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/dynamic-resource$ terraform state list
module.module_one.azurerm_resource_group.rg_1
module.module_one.azurerm_subnet.subnet_1["subnet1"]
module.module_one.azurerm_subnet.subnet_1["subnet2"]
module.module_one.azurerm_subnet.subnet_1["subnet3"]
module.module_one.azurerm_subnet.subnet_1["subnet4"]
module.module_one.azurerm_subnet.subnet_1["subnet5"]
module.module_one.azurerm_virtual_network.vnet_1
```

### Task 3: Terraform conditional resource

Use count to test if subnet should be deployed or not.

First testing set up with a subnet:

```
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/conditional-resource$ terraform apply
var.deploy_subnet
  If set to Yes the subnet is deployed

Enter a value: yes
```

```
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/conditional-resource$ terraform state list
azurerm_resource_group.rg_1
azurerm_subnet.subnet_1[0]
azurerm_virtual_network.vnet_1
```

Destroying, and testing to set up without a subnet:

```
Destroy complete! Resources: 3 destroyed.
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/conditional-resource$ terraform apply
var.deploy_subnet
  If set to Yes the subnet is deployed

Enter a value: no
```

```
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
ifougner@AAP-5CG112CQW6:/mnt/c/Users/ifougner/week2/conditional-resource$ terraform state list
azurerm_resource_group.rg_1
azurerm_virtual_network.vnet_1
```