

**Міністерство освіти і науки України
Карпатський національний університет
імені В.Стефаника**

**Факультет математики та інформатики
Кафедра інформаційних технологій**

Хмарні технології

Лабораторна робота №2а

Тема: Manage Subscriptions and RBAC

Мета: Навчитися керуванню контролем, основаному на ролях

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Група ІПЗ-41
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Івано-Франківськ — 2025

Task 1: Implement Management Groups

```
23 ✓ resource "azurerm_management_group" "az104_mg1" {  
24   name        = "az104-mg1"  
25   display_name = "az104-mg1"  
26 }
```

Task 2: Review and assign a built-in Azure role

```
28 resource "azuread_group" "helpdesk" {  
29   display_name      = "helpdesk"  
30   owners           = [data.azurerm_client_config.current.object_id]  
31   security_enabled = true  
32 }  
33  
34 resource "azurerm_role_assignment" "vm_contributor_helpdesk" {  
35   scope            = azurerm_management_group.az104_mg1.id  
36   role_definition_name = "Virtual Machine Contributor"  
37   principal_id    = azuread_group.helpdesk.object_id  
38 }
```

Task 3: Create a custom RBAC role

```
40 resource "azurerm_role_definition" "custom_support_request" {  
41   name        = "Custom Support Request"  
42   scope       = azurerm_management_group.az104_mg1.id  
43   description = "A custom contributor role for support requests."  
44  
45   permissions {  
46     actions = [  
47       "Microsoft.Support/supportTickets/read",  
48       "Microsoft.Support/supportTickets/write",  
49       "Microsoft.Resources/subscriptions/resourceGroups/read",  
50       "Microsoft.Resources/subscriptions/read"  
51     ]  
52  
53     not_actions = [  
54       "Microsoft.Support/register/action"  
55     ]  
56   }  
57  
58   assignable_scopes = [  
59     azurerm_management_group.az104_mg1.id  
60   ]  
61 }
```

Task 4: Monitor role assignments with the Activity Log

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Management Group : az104-mg1 Subscription : None Event severity : All Timespan : Last 6 hours Add Filter

9 items.

Operation name	Status	Time	Time stamp	Subscription
>Create or update custom role definition	Succeeded	15 minutes ...	Tue Nov 25 ...	
Create or Update	Started	16 minutes ...	Tue Nov 25 ...	
Create or Update	Accepted	16 minutes ...	Tue Nov 25 ...	
Create role assignment	Started	16 minutes ...	Tue Nov 25 ...	
Create role assignment	Succeeded	16 minutes ...	Tue Nov 25 ...	
Create or Update	Succeeded	16 minutes ...	Tue Nov 25 ...	
Create role assignment	Started	15 minutes ...	Tue Nov 25 ...	
Create or update custom role definition	Started	15 minutes ...	Tue Nov 25 ...	
Create role assignment	Succeeded	15 minutes ...	Tue Nov 25 ...	

Висновок

Було зроблено лабораторну, не все можливо виконати через тераформ, як і в першій лабораторній... та це вже навіть не дивує.