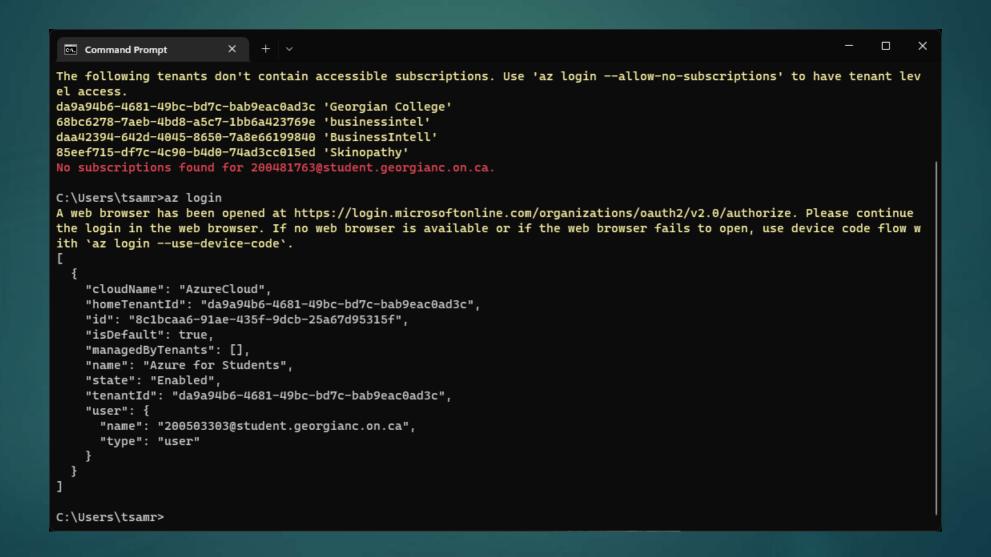
Challenge 4 -- Part 1

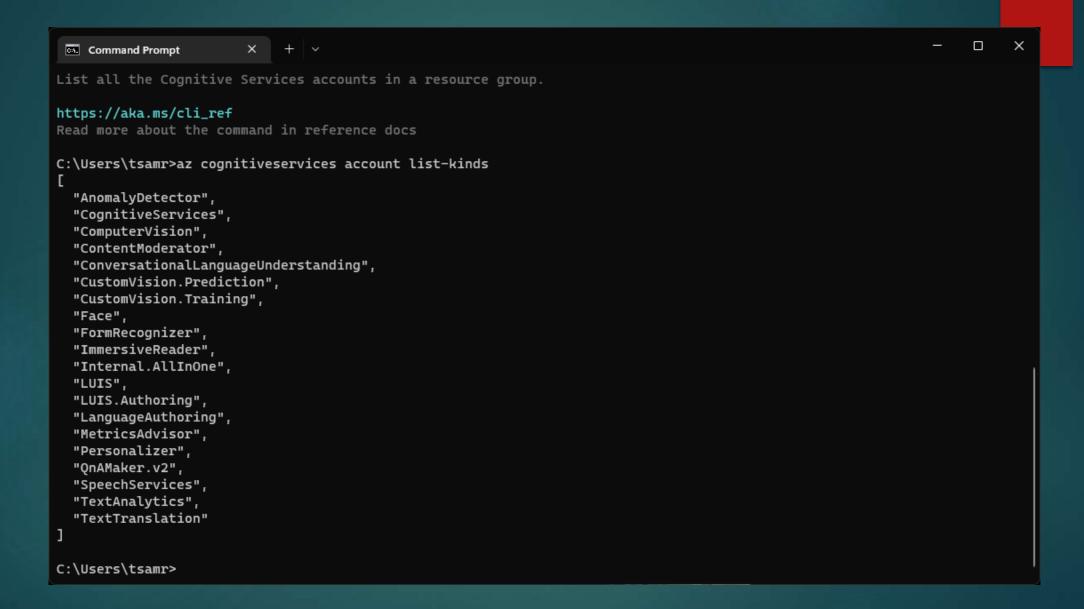
Azure Cognitive Services

Al Infrastructure and Arch.

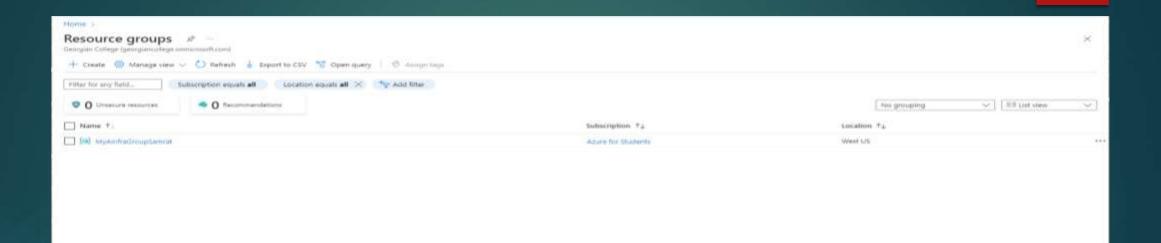
SAMRAT THAPA -- 200481763

Using CLI to access Azure Services

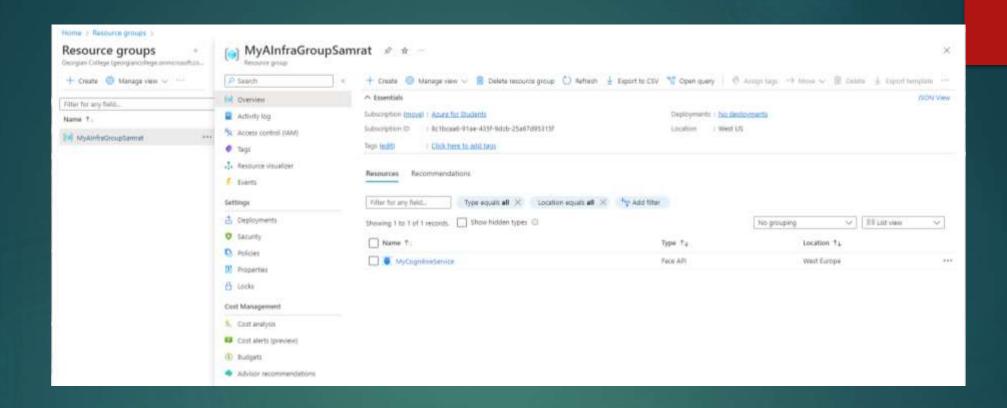




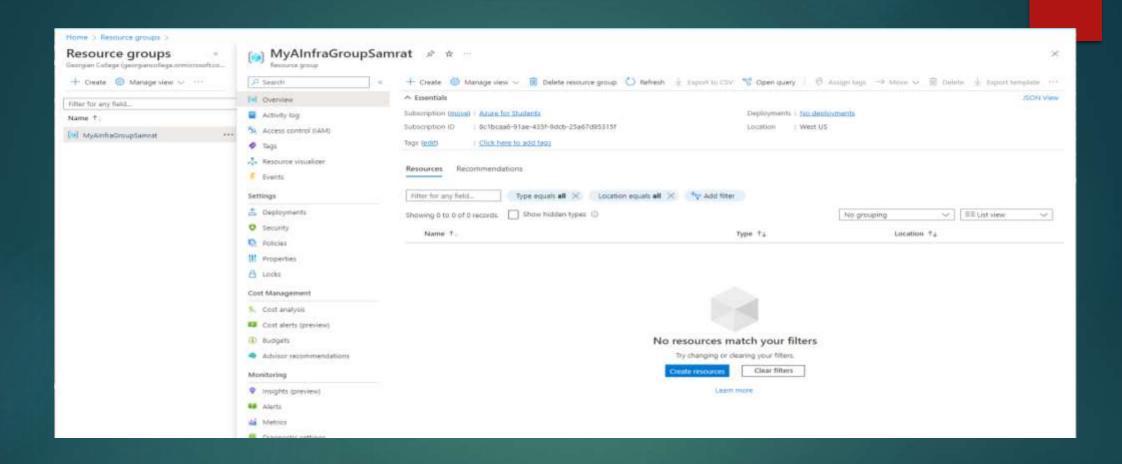
```
Command Prompt
  "CustomVision.Training",
  "Face",
  "FormRecognizer",
  "ImmersiveReader",
  "Internal.AllInOne",
  "LUIS",
  "LUIS.Authoring",
  "LanguageAuthoring",
  "MetricsAdvisor",
  "Personalizer",
  "QnAMaker.v2",
  "SpeechServices",
  "TextAnalytics",
  "TextTranslation"
C:\Users\tsamr>az group create --location westus --resource-group MyAInfraGroupSamrat
  "id": "/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/MyAInfraGroupSamrat",
  "location": "westus",
  "managedBy": null,
  "name": "MyAInfraGroupSamrat",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
C:\Users\tsamr>
```



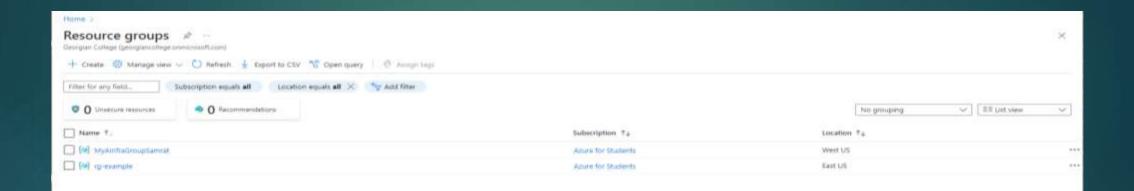
```
- 🗆 X
 Command Prompt
C:\Users\tsamr>az cognitiveservices account create -n MyCognitiveService -g MyAInfraGroupSamrat --kind Face --sku S0 -l
WestEurope --yes
Notice
I certify that use of this service is not by or for a police department in the United States.
  "etag": "\"7802e528-0000-0d00-0000-638c1e3e0000\"",
  "id": "/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/MyAInfraGroupSamrat/providers/Microsoft.Cogn
itiveServices/accounts/MyCognitiveService",
  "identity": null,
  "kind": "Face",
  "location": "WestEurope",
  "name": "MyCognitiveService",
  "properties": {
   "allowedFqdnList": null,
    "apiProperties": null,
    "callRateLimit": {
      "count": null,
      "renewalPeriod": null,
      "rules": [
          "count": 10.0,
          "dynamicThrottlingEnabled": null,
          "key": "face",
          "matchPatterns": [
              "method": "*",
              "path": "face/*"
          "minCount": null,
          "renewalPeriod": 1.0
          "count": 500.0,
          "dynamicThrottlingEnabled": null,
          "key": "container.billing",
          "matchPatterns": [
              "method": "*",
              "path": "billing/*"
```



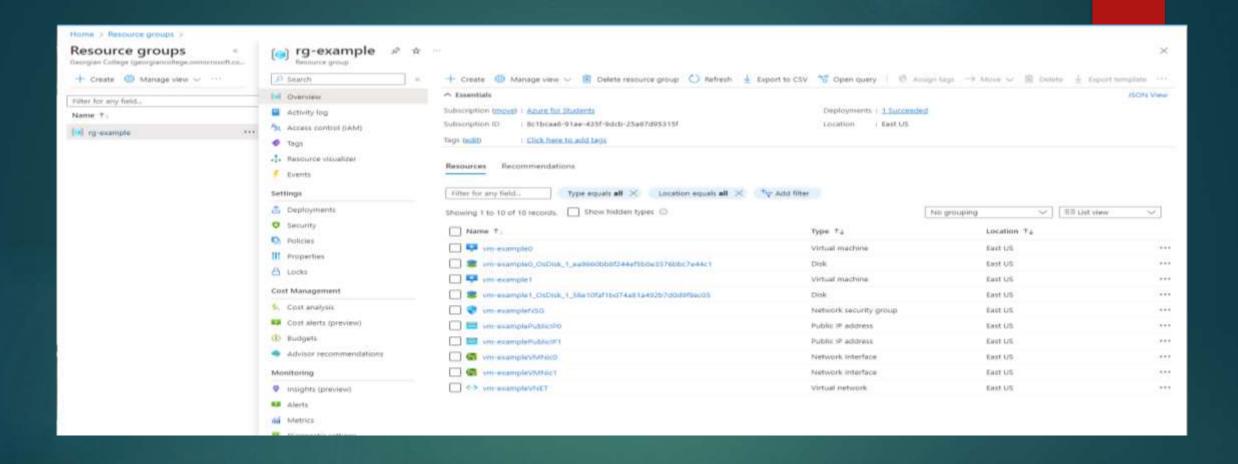
```
Command Prompt
   "provisioningState": "Succeeded",
   "publicNetworkAccess": "Enabled",
   "quotaLimit": null,
   "restore": null,
   "restrictOutboundNetworkAccess": null,
   "scheduledPurgeDate": null,
   "skuChangeInfo": null,
   "userOwnedStorage": null
  "resourceGroup": "MyAInfraGroupSamrat",
  "sku": {
   "capacity": null,
   "family": null,
   "name": "S0",
   "size": null,
   "tier": null
 },
  "systemData": {
   "createdAt": "2022-12-04T04:12:44.954813+00:00",
   "createdBy": "200503303@student.georgianc.on.ca",
   "createdByType": "User",
   "lastModifiedAt": "2022-12-04T04:12:44.954813+00:00",
   "lastModifiedBy": "200503303@student.georgianc.on.ca",
   "lastModifiedByType": "User"
 },
  "tags": null,
  "type": "Microsoft.CognitiveServices/accounts"
C:\Users\tsamr>az cognitiveservieces account delete --name MyCognitiveService --resource-group MyAInfraGroupSamrat
'cognitiveservieces' is misspelled or not recognized by the system.
Did you mean 'cognitiveservices' ?
Examples from AI knowledge base:
https://aka.ms/cli_ref
Read more about the command in reference docs
C:\Users\tsamr>az cognitiveservices account delete --name MyCognitiveService --resource-group MyAInfraGroupSamrat
C:\Users\tsamr>
```



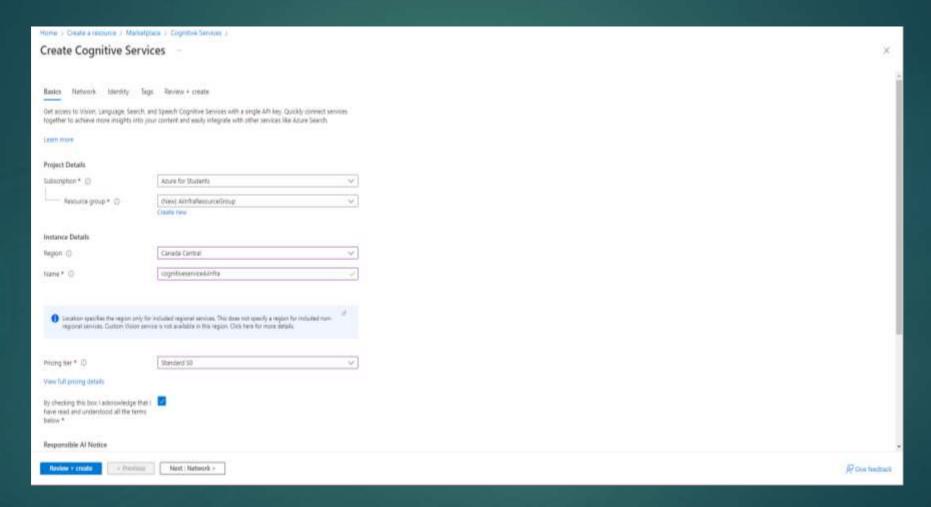
```
□ ×
 Command Prompt
    "capacity": null,
    "family": null,
    "name": "S0",
    "size": null,
    "tier": null
  },
  "systemData": {
    "createdAt": "2022-12-04T04:12:44.954813+00:00",
    "createdBy": "200503303@student.georgianc.on.ca",
    "createdByType": "User",
    "lastModifiedAt": "2022-12-04T04:12:44.954813+00:00",
    "lastModifiedBy": "200503303@student.georgianc.on.ca",
    "lastModifiedByType": "User"
  },
  "tags": null,
  "type": "Microsoft.CognitiveServices/accounts"
C:\Users\tsamr>az cognitiveservieces account delete --name MyCognitiveService --resource-group MyAInfraGroupSamrat
'cognitiveservieces' is misspelled or not recognized by the system.
Did you mean 'cognitiveservices' ?
Examples from AI knowledge base:
https://aka.ms/cli_ref
Read more about the command in reference docs
C:\Users\tsamr>az cognitiveservices account delete --name MyCognitiveService --resource-group MyAInfraGroupSamrat
C:\Users\tsamr>az group create -n rg-example -l eastus
  "id": "/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/rg-example",
  "location": "eastus",
  "managedBy": null,
  "name": "rg-example",
  "properties": {
    "provisioningState": "Succeeded"
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
C:\Users\tsamr>
```

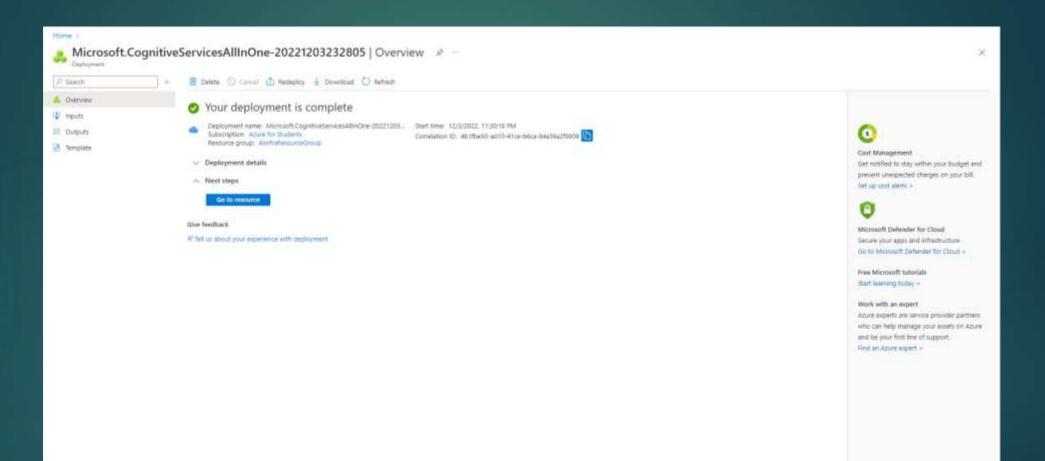


```
Command Prompt
C:\Users\tsamr>az vm create -n vm-example -g rg-example --count 2 --size Standard_B1ls --image Debian --generate-ssh-key
Argument '--count' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
SSH key files 'C:\Users\tsamr\.ssh\id_rsa' and 'C:\Users\tsamr\.ssh\id_rsa.pub' have been generated under ~/.ssh to allo
w SSH access to the VM. If using machines without permanent storage, back up your keys to a safe location.
It is recommended to use parameter "--public-ip-sku Standard" to create new VM with Standard public IP. Please note that
the default public IP used for VM creation will be changed from Basic to Standard in the future.
    "additionalCapabilities": null,
    "applicationProfile": null,
    "availabilitySet": null,
    "billingProfile": null,
    "capacityReservation": null,
    "diagnosticsProfile": null,
    "evictionPolicy": null,
    "extendedLocation": null,
    "extensionsTimeBudget": null,
    "fqdns": "",
    "hardwareProfile": {
      "vmSize": "Standard_B1ls",
     "vmSizeProperties": null
    "host": null,
   "hostGroup": null,
    "id": "/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/rg-example/providers/Microsoft.Compute/vir
tualMachines/vm-example0",
    "identity": null,
   "licenseType": null,
    "location": "eastus",
    "macAddresses": "60-45-BD-A8-4A-7F",
    "name": "vm-example0",
    "networkProfile": {
      "networkApiVersion": null,
      "networkInterfaceConfigurations": null,
      "networkInterfaces": [
          "deleteOption": null,
          "id": "/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/rg-example/providers/Microsoft.Netwo
rk/networkInterfaces/vm-exampleVMNic0",
          "primary": null,
```



Creating Cognitive Service Resource





Azure services





groups



Management ...





DB





Center



machines





Resources

Recent	1	Favor	'n

Name	Туре	Last Viewed
 cognitiveterviceAllinha 	Cognitive Service	a few seconds ago
(a) Ainfrafiasource(iroup	Resource group	a few seconds ago
[0] rg-example	Resource group	4 minutes ago
(a) Networkswatcher/sc	Resource group	4 minutes ago
Agure for Students	Subscription	2 weeks ago
fice all		

Navigate



Subscriptions



Resource groups



All resources



Dashboard

Tools



Microsoft Learn of Learn Azure with free online training from Microsoft



Azure Monitor Monitor your apps and infrastructure



Microsoft Defender for Cloud Secure your apps and infrastructure



Cost Management Analyse and optimize your cloud spend for free

