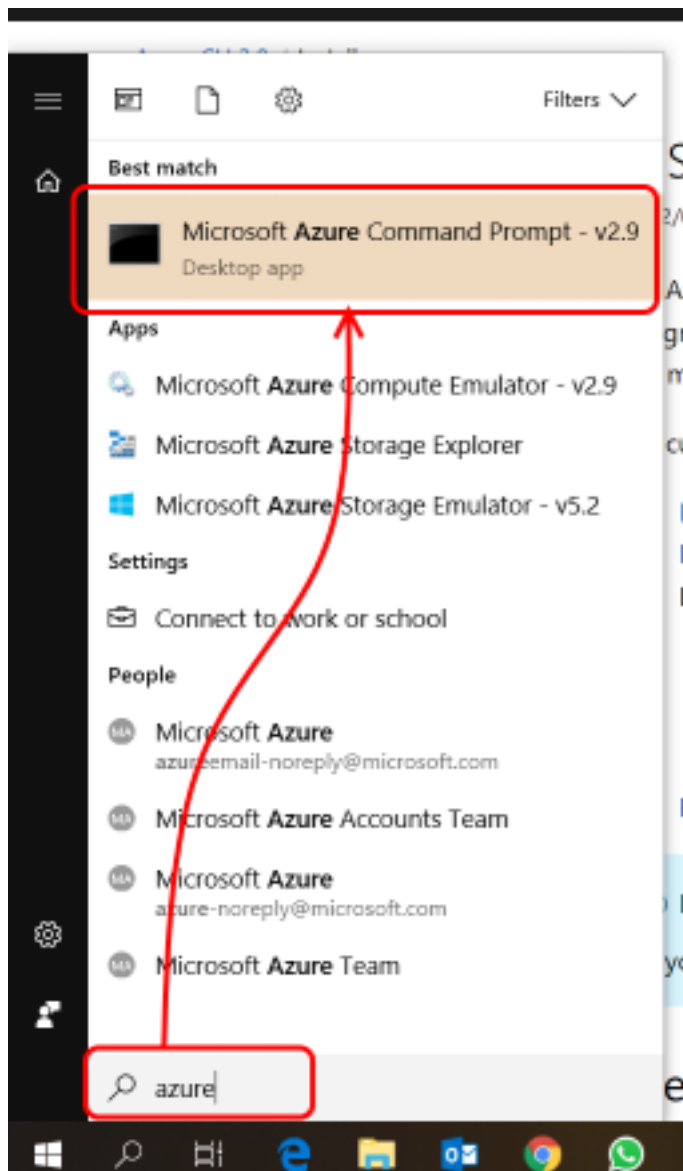


Step By Step: Automate Resource group creation and Security Groups assignment

This step by step guide describes the steps for automatically creating a resource group and assigning a security group by using the Azure CLI 2.0. If you want to use PowerShell, you'll need to convert all the steps to their PowerShell equivalent.

Retrieve the ObjectID of the security group

1. Start the Microsoft Azure Command Prompt on your computer



1. Run `az login` and follow the instructions
2. Get the name of the Security Group you created in the first challenge, use as Teamname below
3. Run `az ad group show --group "Teamname"` and make note of the objectID in the result.

```
Windows Azure SDK Environment

C:\Program Files\Microsoft SDKs\Azure\.NET SDK\v2.9>az ad group show --group "Teamname"
{
  "additionalProperties": {
```

```

    "description": null,
    "dirSyncEnabled": null,
    "lastDirSyncTime": null,
    "mailEnabled": false,
    "mailNickname": "de2b3f38-d611-49dc-a37d-4e92120dd41c",
    "odata.metadata": "https://graph.windows.net/4b860dd5-264a-4e07-89f8-01074b101df7/$metadata#directoryObjects/Microsoft.DirectoryServices.Group/@Element",
    "odata.type": "Microsoft.DirectoryServices.Group",
    "onPremisesDomainName": null,
    "onPremisesNetBiosName": null,
    "onPremisesSamAccountName": null,
    "onPremisesSecurityIdentifier": null,
    "provisioningErrors": [],
    "proxyAddresses": []
  },
  "deletionTimestamp": null,
  "displayName": "Teamname",
  "mail": null,
  "objectId": "e402308d-8b0a-4cfc-9e7e-2a60b2c3de86",
  "objectType": "Group",
  "securityEnabled": true
}
}

C:\Program Files\Microsoft SDKs\Azure\.NET SDK\v2.9>

```

Creating the script

1. Open up your favourite editor (we're using [Visual Studio Code](#)) and create a new file.
2. Save it as `CreateResourceGroup_Fixed.cmd`
- 3.

Add the following code to create a resource group:

```
bash REM create resource group call az group create --name "RG-Playground-Teamname" --location "West Europe"
```

- 4.
- Then add the following lines to add the security group "Teamname" as contributor
- ```
bash REM assign security group call az role assignment create --role Contributor --assignee-object-id "<objectID of group>" --resource-group "RG-Playground-Teamname"
```

Replace `<objectID of group>` with the objectID that you retrieved in one of the previous steps, using the `az ad group show` command.

5. Save your file

## Running the script

1. Switch back to your Azure Command Prompt. If you accidentally closed it, re-open it and login by running `az login`
2. Navigate to the directory where you saved your script by typing `cd <path where you saved your script>`
3. Run `CreateResourceGroup_Fixed.bat`
4. Check the Azure Portal to see that your resource group has been created and the correct security group was assigned.

## Finished script

1. The finished script is in the zip file [CreateResourceGroup\\_Fixed.zip](#). Make sure to replace the objectID of

your security group before running it.

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