QA Consulting

Azure CLI Resource Groups

TRAINING MATERIALS - MODULE HANDOUT

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Overview

Every single resource that is made in Azure needs to be apart of a Resource Group. This document includes basic and essential commands. A more up to date and complete documentation of Azure CLI group commands can be found on Microsoft's Azure CLI Documentation Page.

Creating

Basic Usage

All you need to provide to create a resource group is the name you want to give it and the location.

```
az group create --name [RESOURCE_GROUP_NAME] --location [LOCATION]
```
```
az group create --name MyResourceGroup --location uksouth
```

Knowing Which Location to Provide

The available locations can be retrieved as a list, you would select a location that is either most relevant to you or the client you are developing a solution for.

```
az account list-locations
```

Setting a Default Location

A location doesn't have to be provided if you have one set by default in your configurations.

```
az configure --defaults location=[DEFAULT_LOCATION]
```

```
az configure --defaults location=uksouth
```

Setting the New Resource Group as Default

When creating other resources in Azure the resource group needs be provided all the time which can become very tedious. You can set a default resource group at any time in your configurations.

```
az configure --defaults group=[DEFAULT_RESOURCE_GROUP]
```

```
az configure --defaults group=MyResourceGroup
```

List and Viewing Existing

Basic Usage

All the existing Resource Groups can be listed with some basic information about them.

```
az group list
```

More Detailed Look

More information about a specific Resource Group can be displayed.

```
az group show --name [RESOURCE_GROUP_NAME]
```

```
az group show --name MyResourceGroup
```

Deleting

Basic Usage

Only a the name of the Resource Group needs to be provided for deleting it. When you delete a resource group, keep in mind that deleting a resource group also **deletes every resource** in it.

```
az group delete --name [RESOURCE_GROUP_NAME]
```

```
az group delete --name MyResourceGroup
```

Auto Confirm the Deletion

There will be a prompt when attempting to delete a resource group. This is a great safety measure, humans make mistakes all the time. However for a scripted solution this becomes problematic, the **--yes** long option can be used to auto confirm a group deletion.

```
az group delete --name [RESOURCE_GROUP_NAME] --yes
```

```
az group delete --name MyResourceGroup --yes
```

Don't Wait for it to Delete

If it is a resource group with many resources in it then it may take some time for it to delete and staring at the terminal watching it delete isn't productive for you. Remember you can use **--no-wait** long option here.

```
az group delete --name [RESOURCE_GROUP_NAME] --yes --no-wait
```

```
az group delete --name MyResourceGroup --yes --no-wait
```

Tasks

- Create a new Resource Group called **ResourceGroupExercise**
- View all of the Resource Groups that you have
- View information about the Resource Group that you just created
- Delete the Resource Group that you just created