

Azure CLI Public IP Addresses

TRAINING MATERIALS - MODULE HANDOUT

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Overview

Public IP Addresses allow us to expose our services to the internet. They can be Static or Dynamic, meaning that they are fixed at their initial value or they can change.

Creating

Basic Usage

Provide a name and the Resource Group to create a public IP Address.

```
az network public-ip create --resource-group [RESOURCE_GROUP] --name  
[PUBLIC_IP_NAME]
```

```
az network public-ip create --resource-group MyResourceGroup --name  
MyPublicIP
```

Creating With DNS

A DNS name can be created for the Public IP, the value you give must be unique and will be prepended to this DNS: `.[YOUR_LOCATION].cloudapp.azure.com`. It is important that the DNS you provide is unique, otherwise you will get an error.

```
az network public-ip create --resource-group [RESOURCE_GROUP] --name  
[PUBLIC_IP_NAME] --dns-name [DNS_NAME]
```

```
az network public-ip create --resource-group MyResourceGroup --name  
MyPublicIP --dns-name myuniquednsname747184274
```

Creating a Static Public IP

Sometimes, even with DNS we want an IP address to stay the same, we can do this by changing the allocation method in Azure CLI. By default the allocation method is Dynamic.

```
az network public-ip create --resource-group [RESOURCE_GROUP] --name
```

```
[PUBLIC_IP_NAME] --allocation-method [ALLOCATION_METHOD]
```

```
az network public-ip create --resource-group MyResourceGroup --name  
MyPublicIP --allocation-method Static
```

Deleting

Basic Usage

Provide a name and the Resource Group to delete the public IP Address.

```
az network public-ip delete--resource-group [RESOURCE_GROUP] --name  
[PUBLIC_IP_NAME]
```

```
az network public-ip delete --resource-group MyResourceGroup --name  
MyPublicIP
```

Tasks

- Create a new Resource Group called **PublicIPAddressExercises**
- Create a new Public IP called **MyDynamicPublicIP** with a DNS name.
- Create a new Public IP called **MyStaticPublicIP** that is Statically allocated and has a DNS name
- Delete the Resource Group **PublicIPAddressExercises**