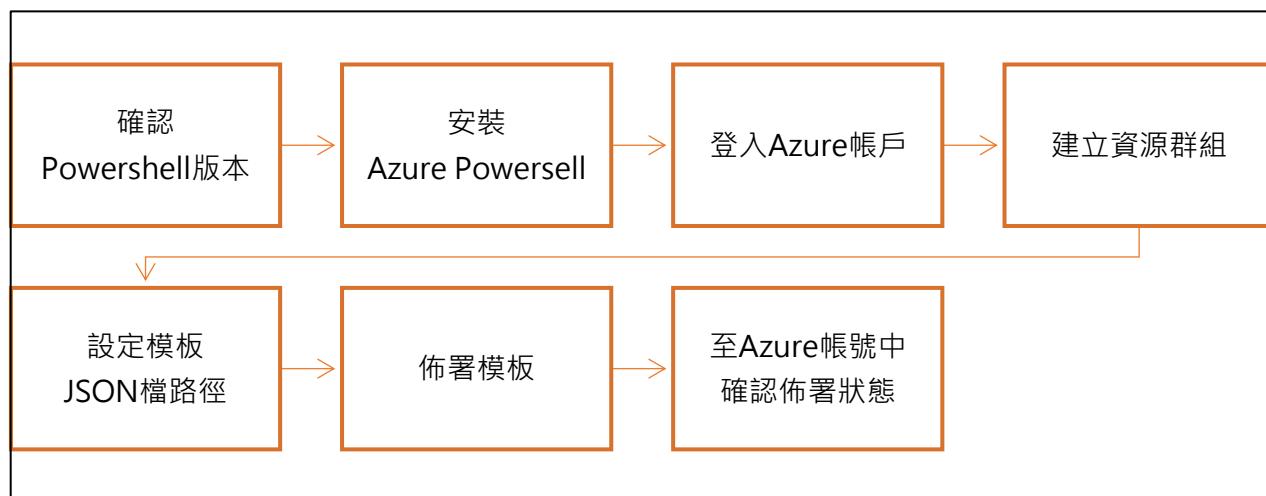


# MAG 使用說明

## 前置需求

- 此次操作以 Powershell 進行，在搜尋位置輸入 powershell，點擊開啟
- 需要有 Azure 帳戶

## 佈署流程



## 確認版本

```
$PSVersionTable.PSVersion
```

## 安裝 Azure Powershell

```
Install-Module -Name Az -AllowClobber  
Install-Module -Name Az -AllowClobber -Scope CurrentUser
```

## 登入 Azure 帳戶

```
Connect-AzAccount
```

## 建立資源群組

```
New-AzResourceGroup ` 
  -Name testingrgmk2 ` 
  -Location "southeastasia" ` 

註: 
  -Name `此處設定開設資源群組名稱 
  -Location `此處設定開設資源群組名稱
```

Windows PowerShell

```
PS C:\Users\admin> New-AzResourceGroup ` 
>>   -Name testingrgmk1 ` 
>>   -Location "southeastasia" ` 

ResourceGroupName : testingrgmk1 
Location         : southeastasia 
ProvisioningState : Succeeded 
Tags             : 
ResourceId       : /subscriptions/7edc69ec-9832-4b48-ac7b-ea04a18a2fd1/resourceGroups/testingrgmk1
```

## 設定執行模板及參數路徑

找到檔案的位置，更改路徑

```
$templateFile = "C:\Users\admin\OneDrive - 智域國際股份有限公司\ARM1\template\template.json" 
$parameterFile = "C:\Users\admin\OneDrive - 智域國際股份有限公司\ARM1\template\parameters.json"
```

## 設定執行佈署名稱及佈署模板至帳號中

```
New-AzResourceGroupDeployment ` 
  -Name magdepenvironment ` 
  -ResourceGroupName testingrgmk2 ` 
  -TemplateFile $templateFile ` 
  -TemplateParameterFile $parameterFile ` 

註: 
  -Name `此處為佈署之名稱 
  -ResourceGroupName `此處為資源群組的名稱 
  -TemplateFile `此處設定模板 JSON 檔 
  -TemplateParameterFile `此處設定模板使用參數 JSON 檔
```

```

選取 Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. 著作權所有，並保留一切權利。
請嘗試新的跨平台 PowerShell https://aka.ms/pscore6

PS C:\Users\admin> Connect-AzAccount

Account          SubscriptionName   TenantId           Environment
kane_chuang@i-planet.com.tw KANE_company - MPN 423d632d-4c77-4a45-aea3-933f210958fe AzureCloud

PS C:\Users\admin> $templateFile = "C:\Users\admin\OneDrive - 智域國際股份有限公司\ARM\template\template.json"
PS C:\Users\admin> $parameterFile = "C:\Users\admin\OneDrive - 智域國際股份有限公司\ARM\template\parameters.json"
PS C:\Users\admin> New-AzResourceGroupDeployment `
>> -Name magdepenvironment
>> -ResourceGroupName testingrgmk2
>> -TemplateFile $templateFile
>> -TemplateParameterFile $parameterFile

```

```

選取 Windows PowerShell
DeploymentName      : devenvironment
ResourceGroupName  : testingrgmk1
ProvisioningState   : Succeeded
Timestamp          : 2020/4/10 上午 08:17:31
Mode                : Incremental
TemplateLink       :
Parameters         :

Name              Type          Value
=====
administratorLogin String        magadmin1
administratorLoginPassword SecureString
collation          String        Chinese_Taiwan
_Stroke_90_CI_AS
databaseName       String        magdb1
tier               String        GeneralPurpose
skuName            String        GP_Gen5_2
location            String        southeastasia
maxSizeBytes       Int          109511627776
serverName          String        magservermk1
sampleName          String        magservermk1
zoneRedundant      Bool         False
licenseType        String        LicenseInclude
d
readScaleOut       String        Disabled
numberOfReplicas  Int          0
minCapacity        String        1
autoPauseDelay     String        1
enableADS          Bool         False
allowAzureIps      Bool         True
databaseTags       Object       {}
serverTags          Object       {}
enableVA           Bool         False
enablePrivateEndpoint
privateEndpointNestedTemplateId String        53-4179-9f3c-660e3f3aa00d
privateEndpointSubscriptionId String        https://sqlazu
privateEndpointResourceGroup String        reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
privateEndpointName   String        s/PrivateEndpoint.json
privateEndpointLocation String        https://sqlazu
privateEndpointSubnetId String        reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
privateLinkServiceName String        s/PrivateEndpoint.json
privateLinkServiceServiceId String        https://sqlazu
privateEndpointVnetSubscriptionId String        reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
privateEndpointVnetResourceGroup String        s/PrivateEndpoint.json
privateEndpointVnetName   String        https://sqlazu
privateEndpointSubnetName String        reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
enablePrivateDnsZone  Bool         s/PrivateEndpoint.json
privateEndpointDnsRecordUniqueId String        https://sqlazu
4179-9f3c-660e3f3aa010
privateEndpointTemplateLink String        reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
s/PrivateEndpoint.json
privateDnsForPrivateEndpointTemplateLink String        https://sqlazu
reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
s/PrivateDnsForPrivateEndpoint.json
privateDnsForPrivateEndpointNicTemplateLink String        https://sqlazu
reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
s/PrivateDnsForPrivateEndpointNic.json
privateDnsForPrivateEndpointIpConfigTemplateLink String        https://sqlazu
reextension.hosting.portal.azure.net/sqlazureextension/Content/2.1.0118727/DeploymentTemplate
s/PrivateDnsForPrivateEndpointIpConfig.json
allowClientIp        Bool         ClientIp-2020-
clientIpRuleName    String        4-10_13-52-7
clientIpValue        String        220.132.179.13
blobstorageName      String        oz67yh1vva
adfname              String        MAG-AzureDataF
actory-thn3oz67yh1vva

```

## Azure 帳號中確認佈署狀態

佈署時間約 8~10 分鐘即可完成。



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and various icons for account management. Below the navigation bar, the breadcrumb trail indicates the current location: 首頁 > 資源群組 > testingrgmk1 | 部署. The main content area is titled "testingrgmk1 | 部署" and shows a deployment named "devenvironment". The deployment details are as follows:

部署名稱	狀態	上次修改日期	持續時間
devenvironment	成功	2020/4/10 下午4:17:31	1 分鐘 27 秒

## 語法列表

```
Install-Module -Name Az -AllowClobber
```

```
Install-Module -Name Az -AllowClobber -Scope CurrentUser
```

```
Connect-AzAccount
```

```
New-AzResourceGroup `
```

```
    -Name testingrgmk1 `
```

```
    -Location "southeastasia"
```

```
$templateFile = "C:\Users\admin\Desktop\ARM1\template\template.json"
```

```
$parameterFile = "C:\Users\admin\Desktop\ARM1\template\parameters.json"
```

```
New-AzResourceGroupDeployment `
```

```
    -Name devenvironment `
```

```
    -ResourceGroupName testingrgmk1 `
```

```
    -TemplateFile $templateFile `
```

```
    -TemplateParameterFile $parameterFile
```