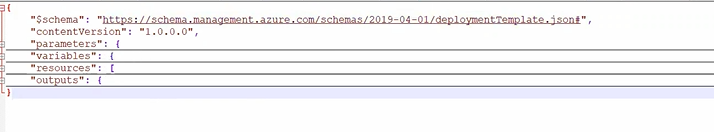
ARM Template

AzureDeploy.json:

Json—Structure



Parameters—Static data not modified data

Variable ---Dynamic data its modified data

Like storage account

Like function

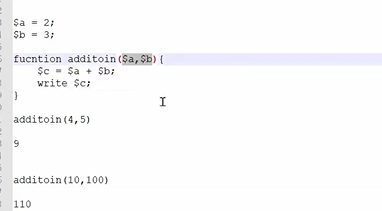
Resource –actually deployment data

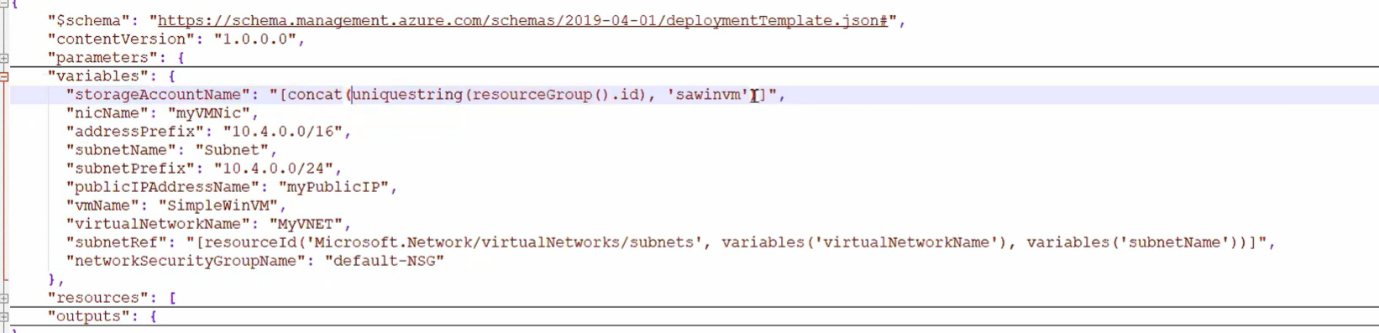
Resource will start square bracket will defined array.

Azuredepoy.paramater.json



Functions:





Function link.

<https://learn.microsoft.com/en-us/azure/azure-resource-manager/templates/template-functions>

We will do three way

Import Template in azure portal

Through PowerShell

Azure devops

Deployment Mode In ARM templates:

Increment

Complete

1.Incremental mode handles deployments as incremental updates to the resource group. It leaves unchanged resources that exist in the resource group but are not specified in the template.

Complete mode deletes resources that are not in your template. Complete mode takes relatively more time than incremental mode. If the task times out, consider increasing the timeout, or changing the mode to 'Incremental'.

**2.[Warning] Complete mode will delete all the existing resources in the resource group that are not specified in the template. Do review if the resource group you're deploying to doesn't contain any necessary resources that are not specified in the template.**

3.Validate mode enables you to find problems with the template before creating actual resources. Validate mode enables you to find problems with the template before creating actual resources. Please note that this mode will anyways create a resource group even if it does not deploy any resource.

By default, Incremental mode is used.

Azure module need to install

Get-module

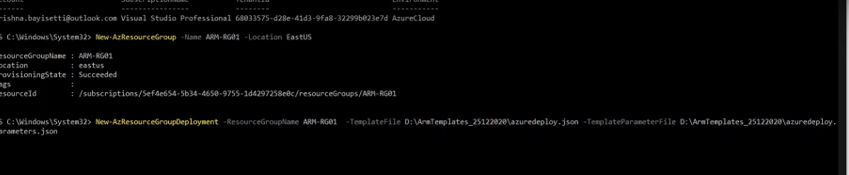
gcm“module”

We need connect Subscription

Connect-azaccount

Once connect will see subscription





<https://github.com/Azure/AzureStack-QuickStart-Templates/blob/master/101-simple-linux-vm-custom-managed-disk/azuredeploy.json>

<https://github.com/Huachao/azure-content/blob/master/articles/application-gateway/application-gateway-create-gateway-arm-template.md>

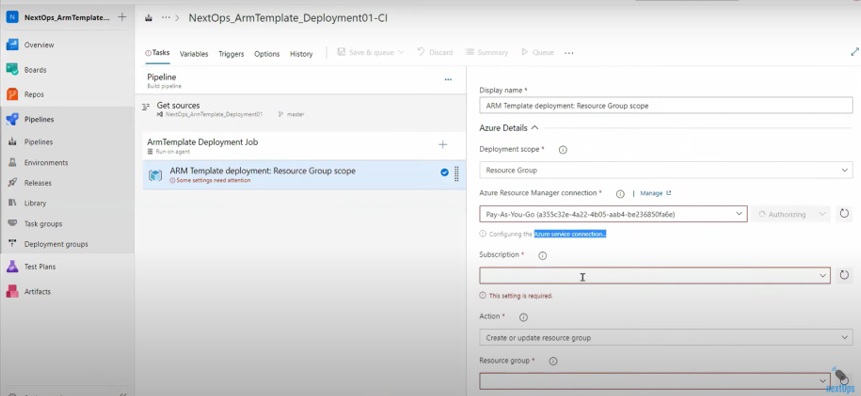
<https://github.com/Huachao/azure-content/blob/master/articles/application-gateway/application-gateway-create-probe-classic-ps.md>

ARM template with Azure Pipeline

Classic pipeline:

Task: Arm template deployment

Azure with Azure Devops



Deployment

Multiple resource creating In azure using--- Array

Three resources --First resource using Depends on

In case not input will take default value

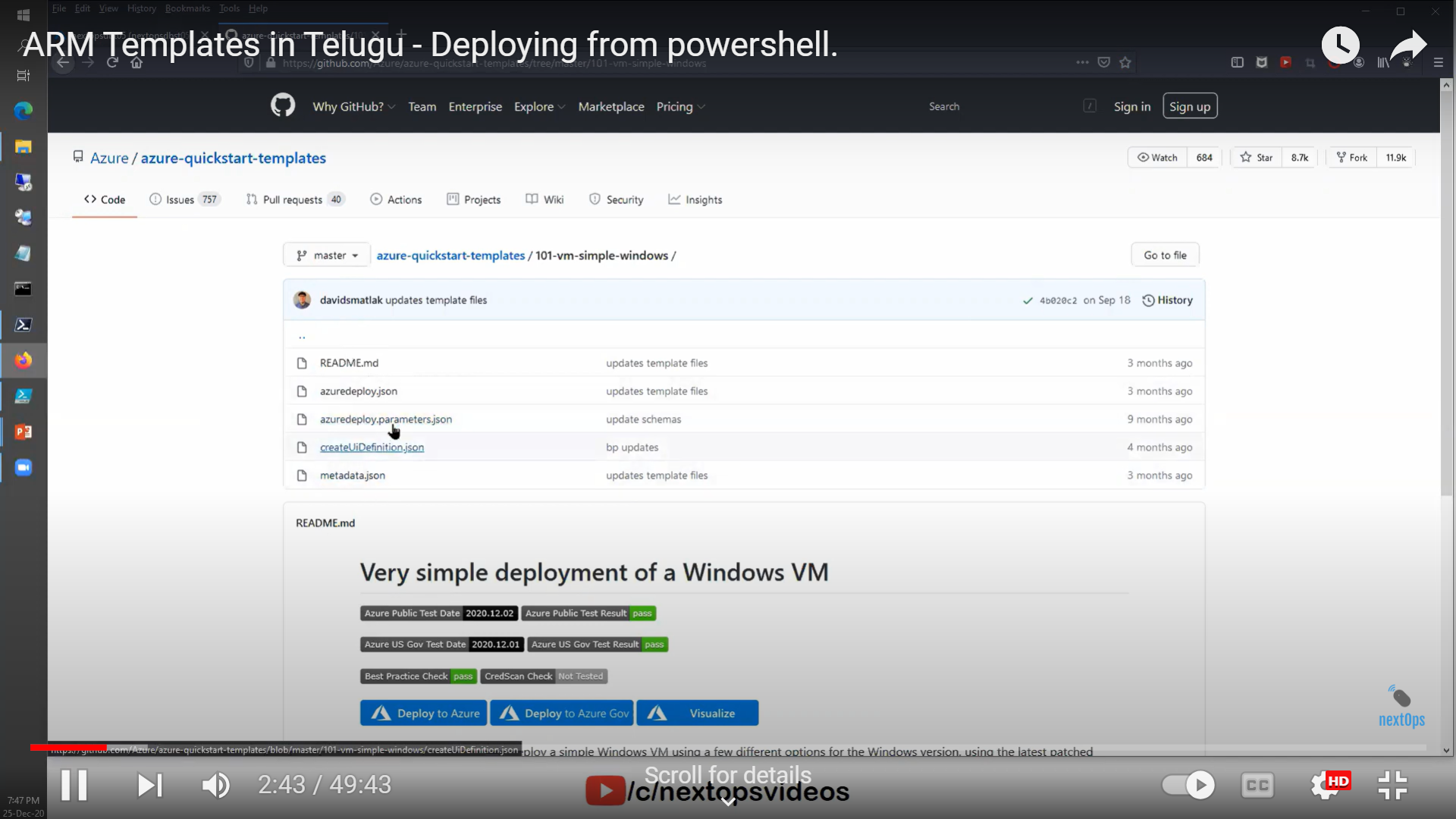
One resource group created—again will run / multiple run

Yes –will be Override

Logic Apps: ARM Template deployment

Azure App service Deploy

Azure key vault



Json file: