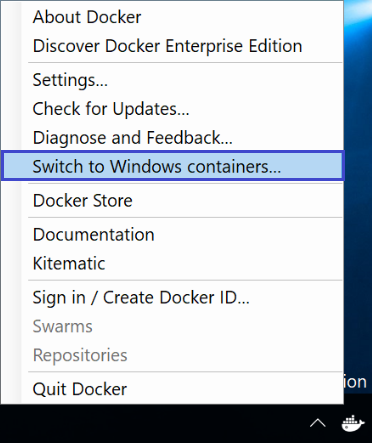
1. Install the Docker for Windows
2. Switch to Windows Containers.



Sign in

Account : edwardchenye

Mailbox: [v-yeche@microsoft.com](mailto:v-yeche@microsoft.com)

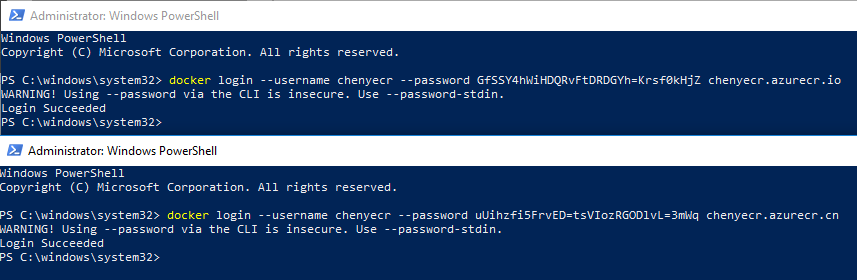
Ryan=Lindsayc5

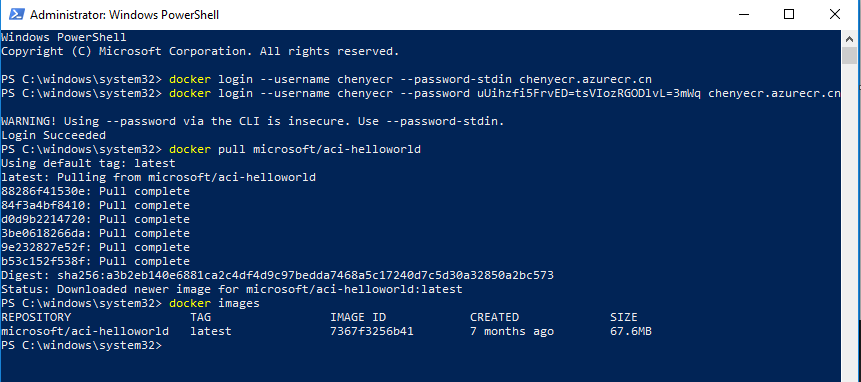
docker login --username chenyecr --password uUihzfi5FrvED=tsVIozRGODlvL=3mWq chenyecr.azurecr.cn

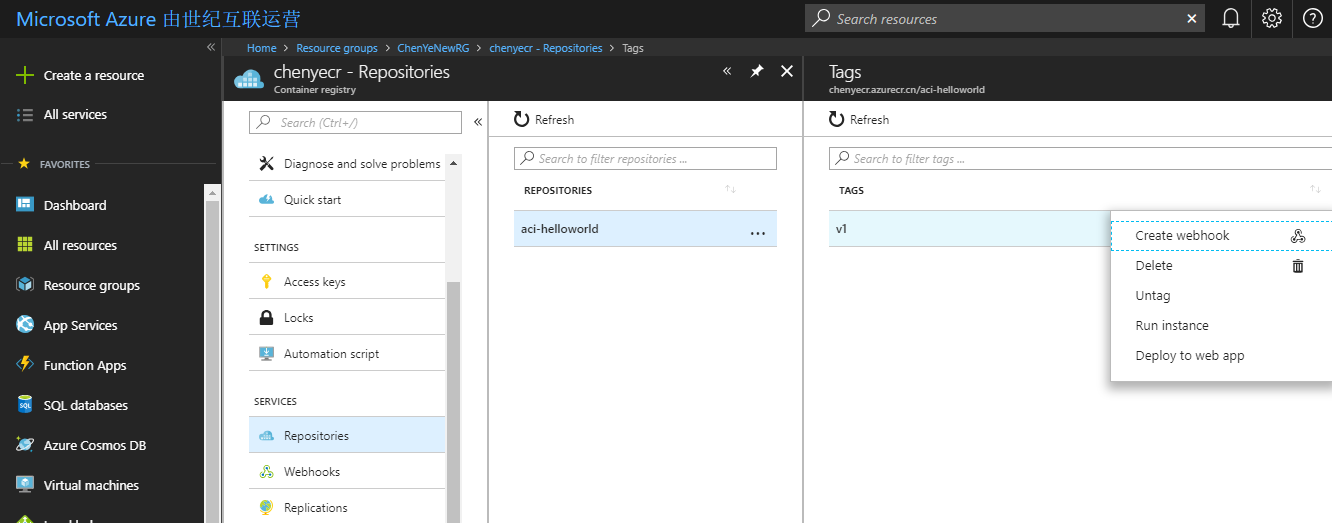
docker pull microsoft/aci-helloworld

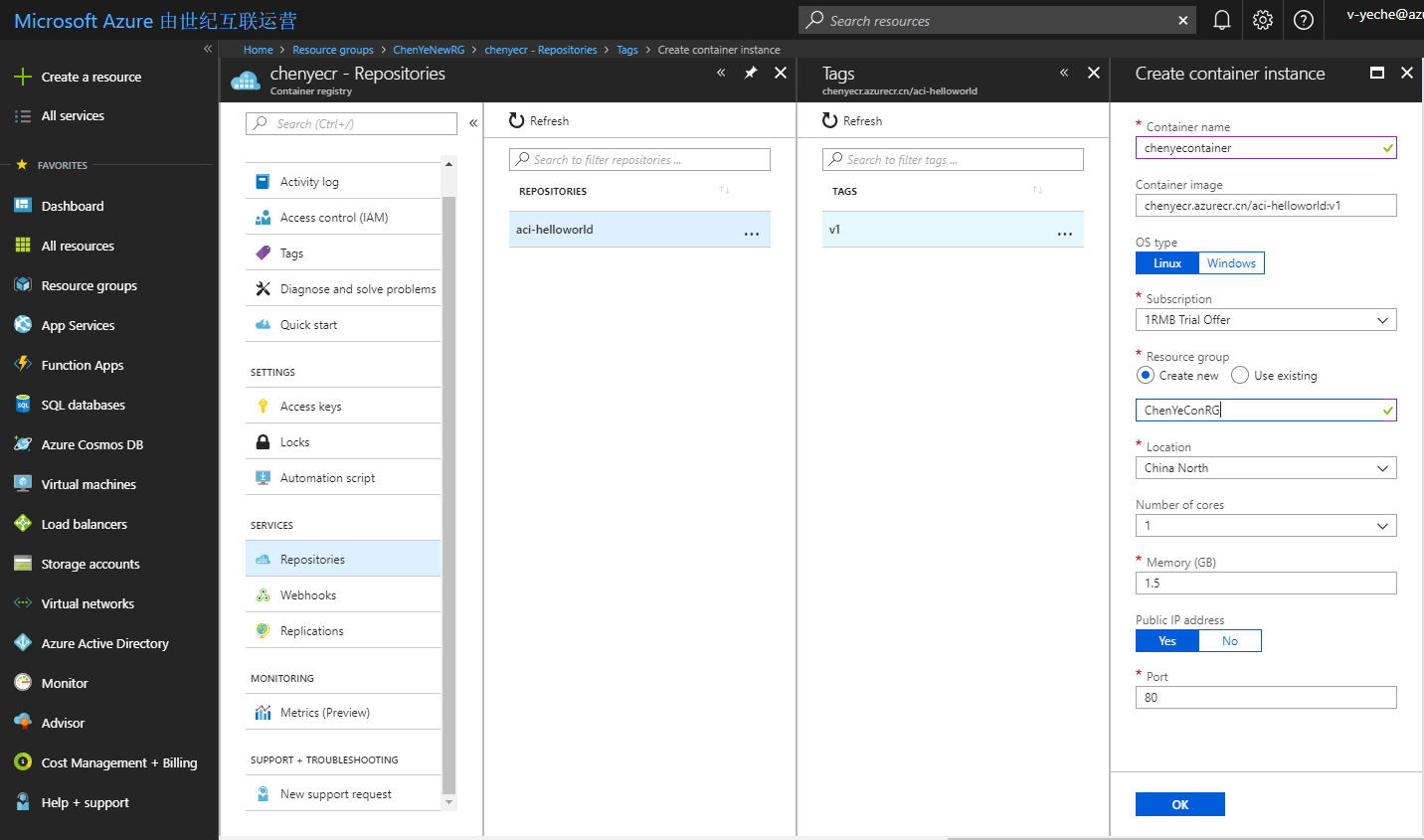
docker tag microsoft/aci-helloworld chenyecr.azurecr.cn/aci-helloworld:v1

docker push chenyecr.azurecr.cn/aci-helloworld:v1

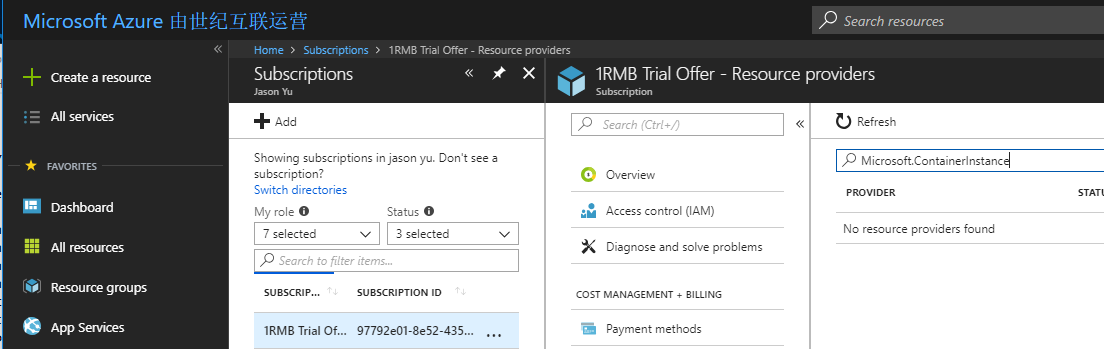


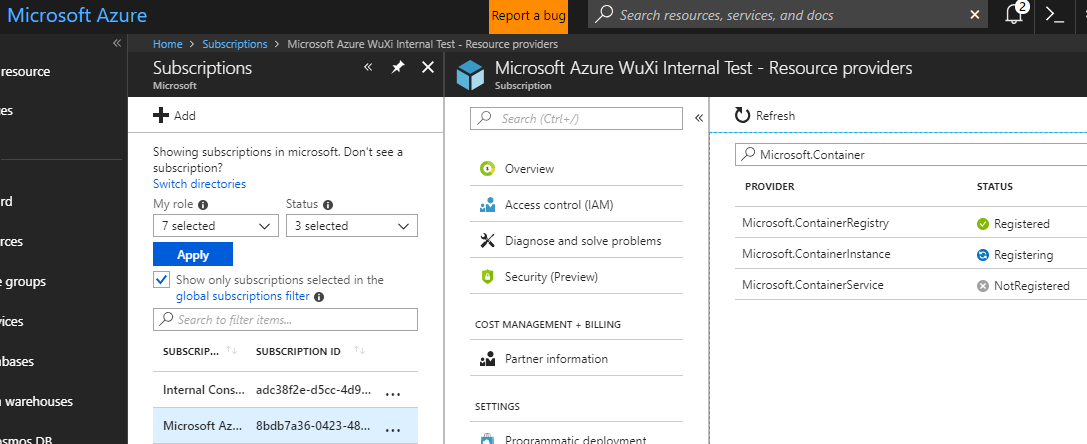


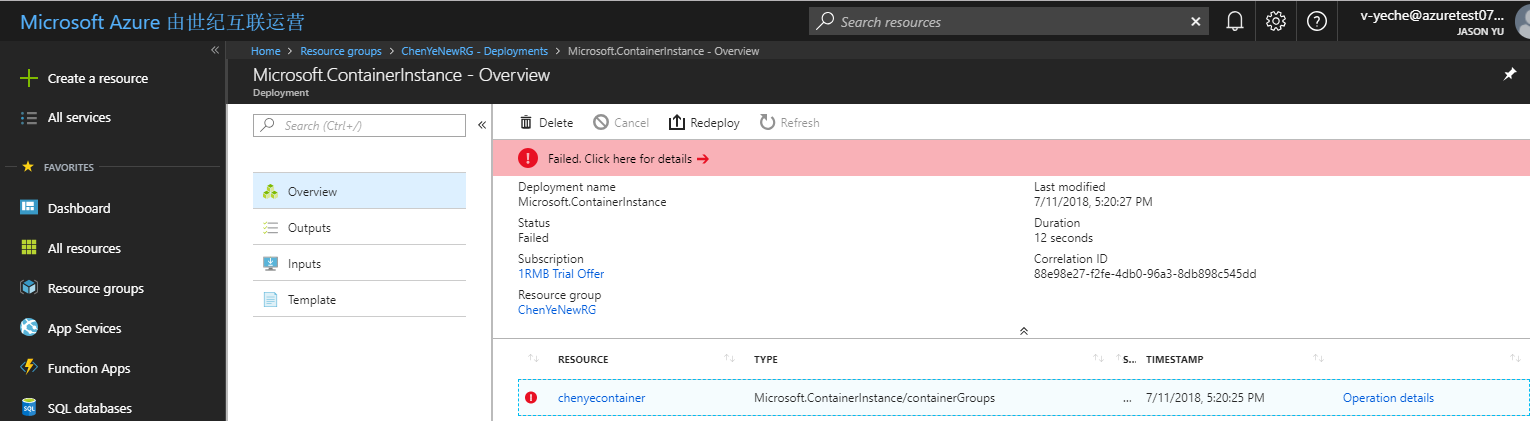


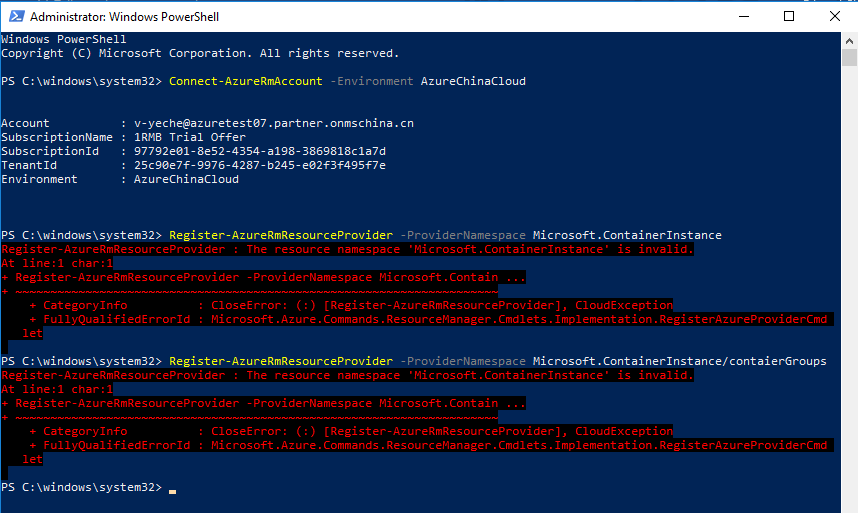


Register-AzureRmResourceProvider -ProviderNamespace Microsoft.ContainerInstance









Powershell Cmdlet

$registry = New-AzureRMContainerRegistry -ResourceGroupName "ChenYeNewRG" -Name "myContainerRegistry007" -EnableAdminUser -Sku Basic

$creds = Get-AzureRmContainerRegistryCredential -Registry $registry

$creds.Password | docker login $registry.LoginServer -u $creds.Username --password-stdin

$image = $registry.LoginServer + "/aci-helloworld:v2"

$secpasswd = ConvertTo-SecureString $creds.Password -AsPlainText -Force

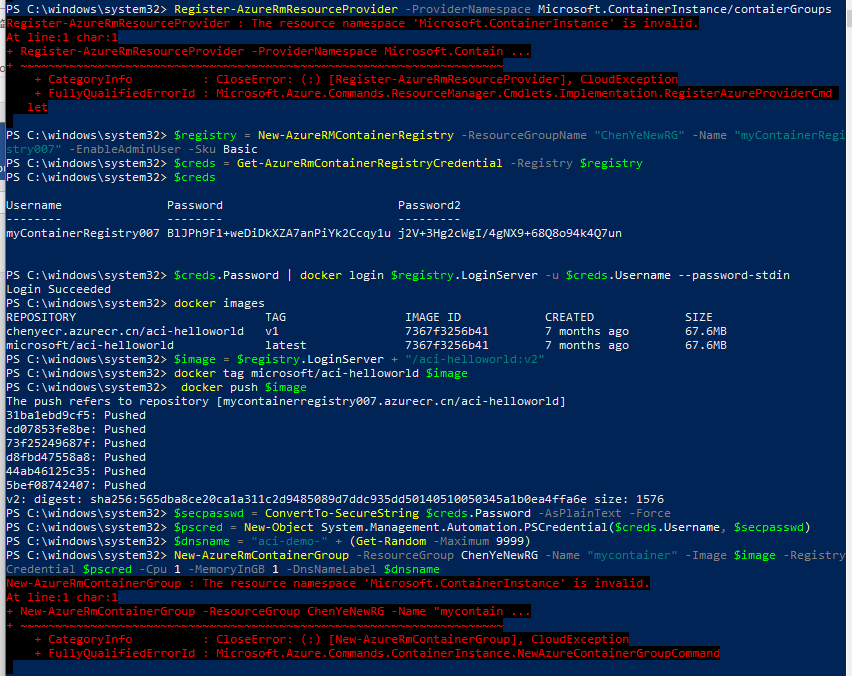
$pscred = New-Object System.Management.Automation.PSCredential($creds.Username, $secpasswd)

$dnsname = "aci-demo-" + (Get-Random -Maximum 9999)

\*Notice: New-AzureRmContainerGroup Failed\*

Register-AzureRmResourceProvider -ProviderNamespace Microsoft.ContainerInstance

New-AzureRmContainerGroup -ResourceGroup ChenYeNewRG -Name "mycontainer" -Image $image -RegistryCredential $pscred -Cpu 1 -MemoryInGB 1 -DnsNameLabel $dnsname



CLI Cmdlet

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-----------------------------------------CLI

az group create --name ChenYeRG --location chinanorth

az acr create --resource-group ChenYeRG --name myContainerRegistry008 --sku Basic

az acr login --name myContainerRegistry008

az acr list --resource-group ChenYeRG --query "[].{acrLoginServer:loginServer}" --output table

docker tag microsoft/aci-helloworld mycontainerregistry008.azurecr.cn/aci-helloworld:v3

docker push mycontainerregistry008.azurecr.cn/aci-helloworld:v3

az acr repository list --name myContainerRegistry008 --output table

az acr repository show-tags --name myContainerRegistry008 --repository aci-helloworld --output table

az acr update --name myContainerRegistry008 --admin-enabled true

az acr credential show --name myContainerRegistry008 --query "passwords[0].value"

\*Notice: ContainerInstance is invalid

az container create --resource-group ChenYeRG --name acr-quickstart --image mycontainerregistry008.azurecr.cn/aci-helloworld:v3 --cpu 1 --memory 1 --registry-username myContainerRegistry008 --registry-password bx1Mlkh7/2AzDmippSYkrGP2M4jP4Ihn --dns-name-label aci-demo --ports 80

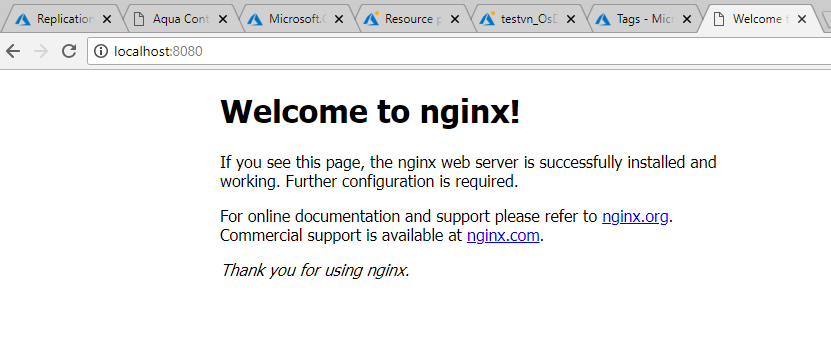
**container-registry-get-started-docker-cli**

az acr update --name chenyecr --sku Premium

docker tag nginx chenyecr.azurecr.cn/samples/nginx

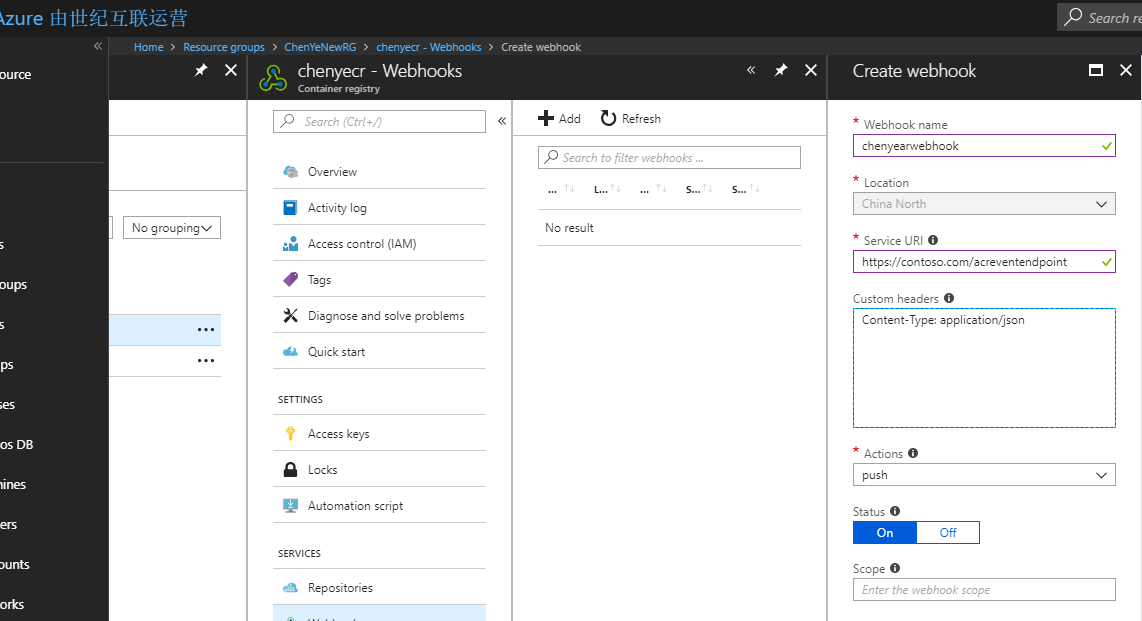
docker push chenyecr.azurecr.cn/samples/nginx

docker run -it --rm -p 8080:80 chenyecr.azurecr.cn/samples/nginx

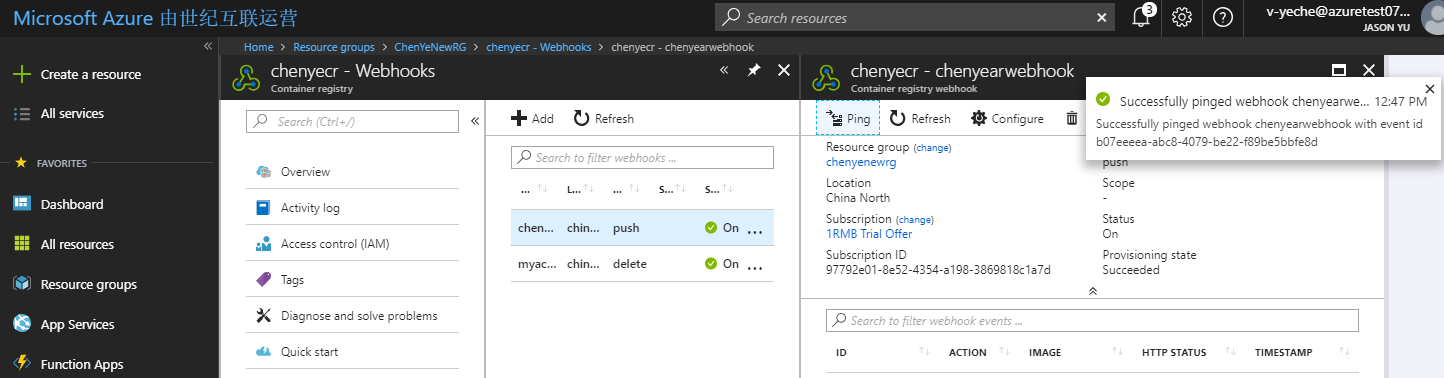


docker rmi chenyecr.azurecr.cn/samples/nginx

az acr repository delete --name chenyecr --repository samples/nginx --tag latest –manifest



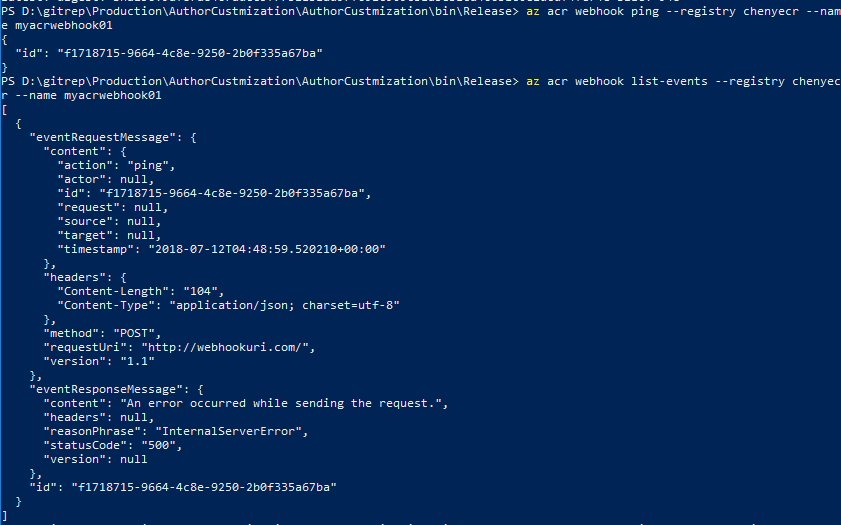
az acr webhook create --registry chenyecr --name myacrwebhook01 --actions delete --uri <http://webhookuri.com>

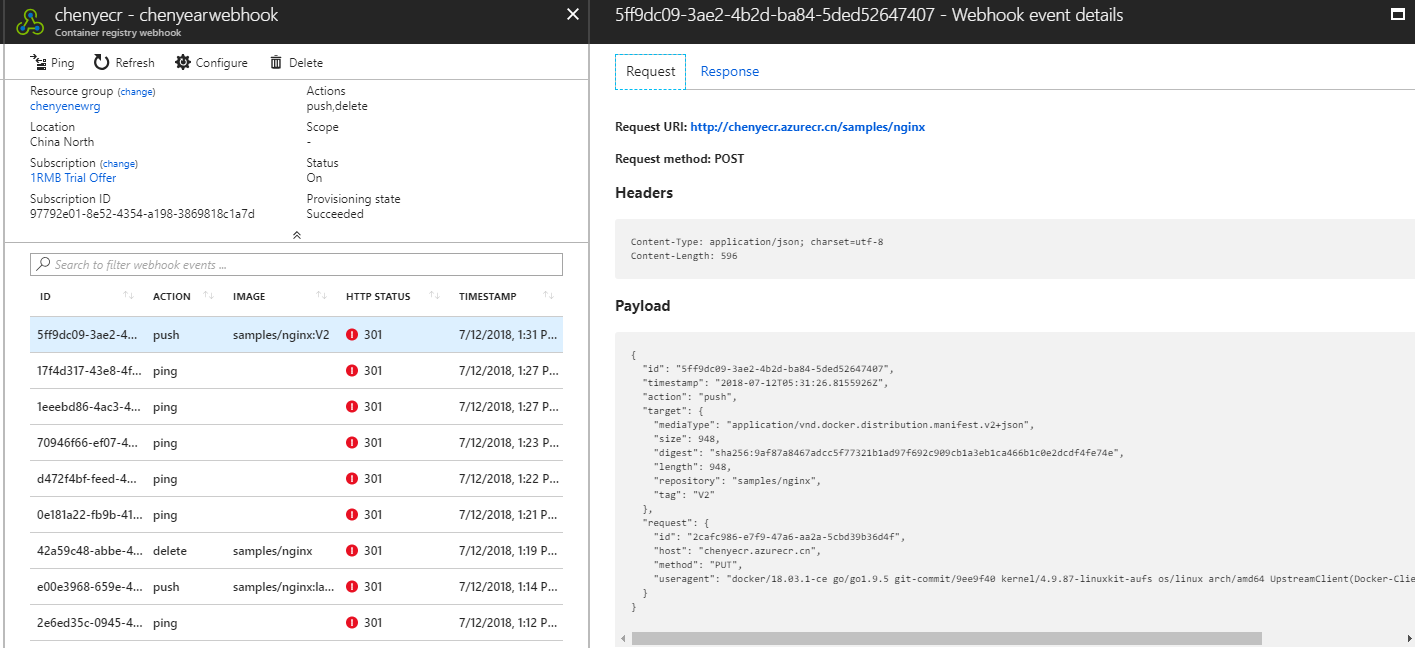


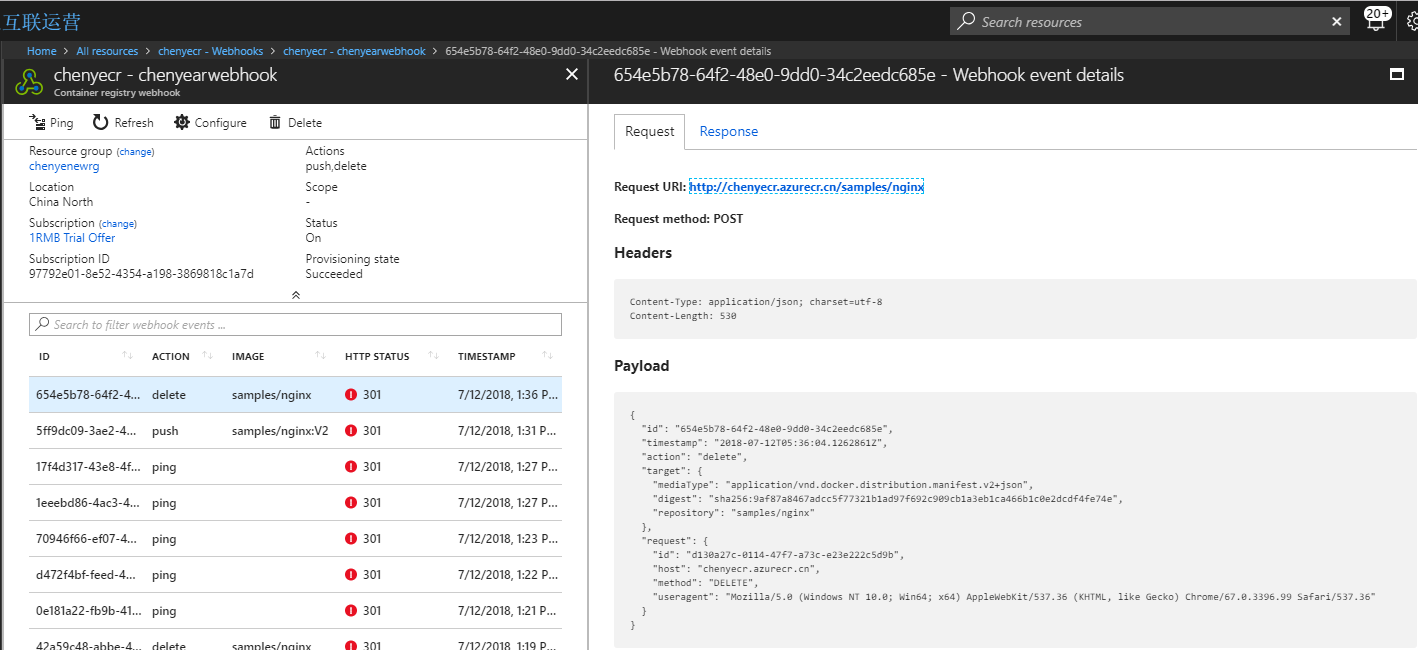
az acr webhook ping --registry chenyecr --name myacrwebhook01

az acr webhook list-events --registry chenyecr --name myacrwebhook01

az acr webhook delete --registry chenyecr --name myacrwebhook01







How to get the

\*Notice: the following code has update with powershell.\*

#!/bin/bash

# Modify for your environment. The ACR\_NAME is the name of your Azure Container

# Registry, and the SERVICE\_PRINCIPAL\_NAME can be any unique name within your

# subscription (you can use the default below).

$ACR\_NAME = "chenyecr"

$SERVICE\_PRINCIPAL\_NAME="acr-service-principal"

# Obtain the full registry ID for subsequent command args

$ACR\_REGISTRY\_ID=$(az acr show --name $ACR\_NAME --query id --output tsv)

# Create the service principal with rights scoped to the registry.

# Default permissions are for docker pull access. Modify the '--role'

# argument value as desired:

# reader: pull only

# contributor: push and pull

# owner: push, pull, and assign roles

$SP\_PASSWD=$(az ad sp create-for-rbac --name $SERVICE\_PRINCIPAL\_NAME --scopes $ACR\_REGISTRY\_ID --role reader --query password --output tsv)

$SP\_APP\_ID=$(az ad sp show --id http://$SERVICE\_PRINCIPAL\_NAME --query appId --output tsv)

# Output the service principal's credentials; use these in your services and

# applications to authenticate to the container registry.

echo "Service principal ID: $SP\_APP\_ID" a1360fb5-bfc9-4d96-b0f0-defa5a56c42e

echo "Service principal password: $SP\_PASSWD" 61231055-4417-4b9d-9c7b-28b48a016ff9

#!/bin/bash

# Modify for your environment. The ACR\_NAME is the name of your Azure Container

# Registry, and the SERVICE\_PRINCIPAL\_ID is the service principal's 'appId' or

# one of its 'servicePrincipalNames' values.

$ACR\_NAME="chenyecr"

$SERVICE\_PRINCIPAL\_ID="a1360fb5-bfc9-4d96-b0f0-defa5a56c42e"

# Populate value required for subsequent command args

$ACR\_REGISTRY\_ID=$(az acr show --name $ACR\_NAME --query id --output tsv)

# Assign the desired role to the service principal. Modify the '--role' argument

# value as desired:

# reader: pull only

# contributor: push and pull

# owner: push, pull, and assign roles

az role assignment create --assignee $SERVICE\_PRINCIPAL\_ID --scope $ACR\_REGISTRY\_ID --role reader

\*Notice: Microsoft/ContainerInstance is invalid.

az container create `

--resource-group ChenYeNewRG `

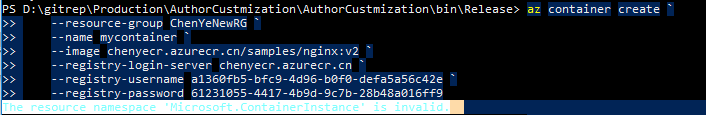
--name mycontainer `

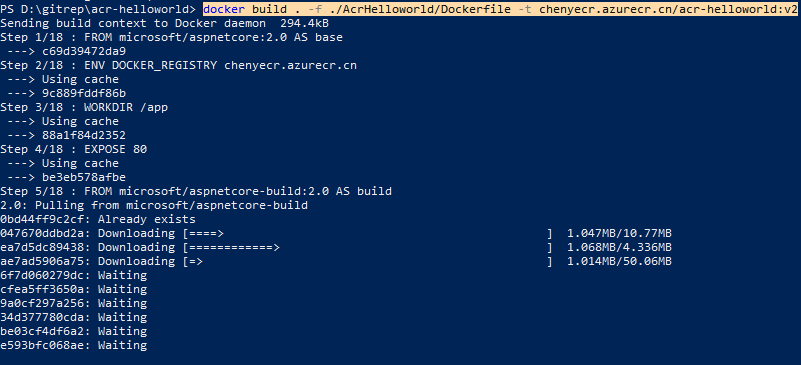
--image chenyecr.azurecr.cn/samples/nginx:v2 `

--registry-login-server chenyecr.azurecr.cn `

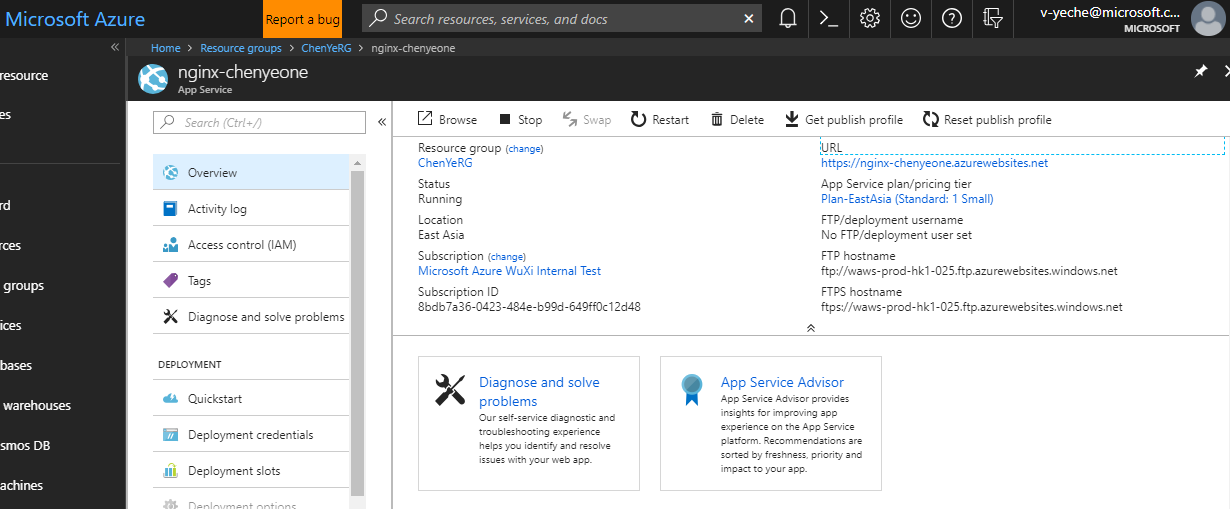
--registry-username a1360fb5-bfc9-4d96-b0f0-defa5a56c42e `

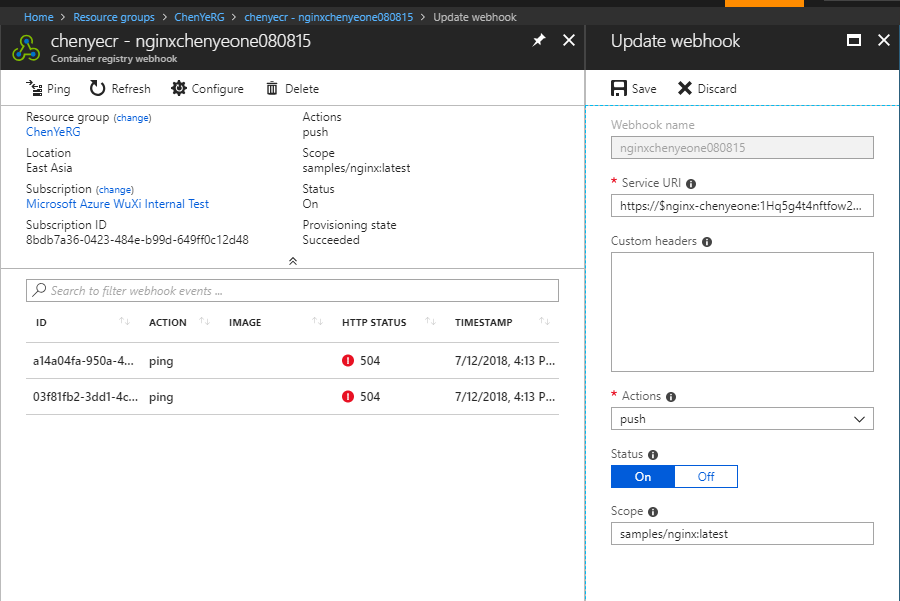
--registry-password 61231055-4417-4b9d-9c7b-28b48a016ff9





**Global App service is OK**





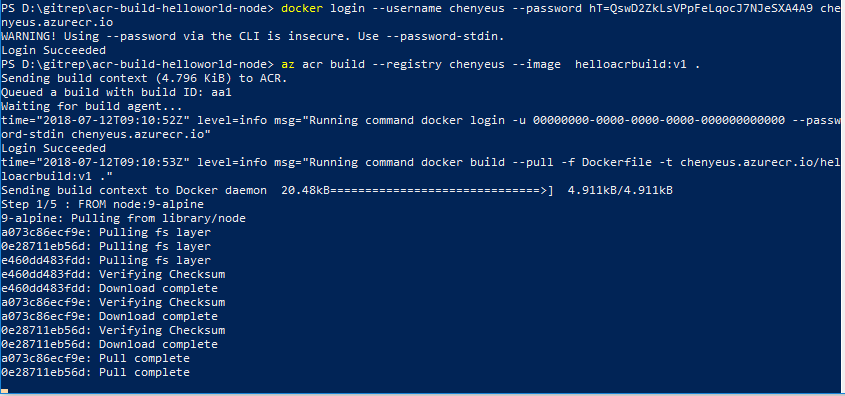
The App service is automatically create successfully:

Service URL: <https://$nginx-chenyeone:1Hq5g4t4nftfow2RtDpJ8BRC76iDYnmLXMDbqoWSaGLMF2KDMdRXA9YwWLe5@nginx-chenyeone.scm.azurewebsites.net/docker/hook>

docker login --username chenyeus --password hT=QswD2ZkLsVPpFeLqocJ7NJeSXA4A9 chenyeus.azurecr.io

az acr build --registry chenyecr --image helloacrbuild:v1 .

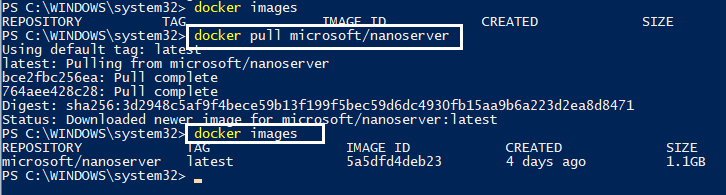
US East and European are successfully on az acr building.



1. Install the basic image

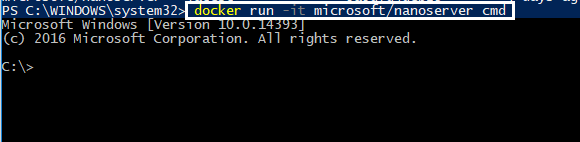
docker pull microsoft/nanoserver

docker images

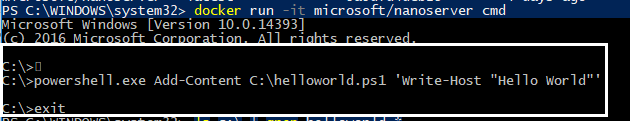
****

1. Run the first Container

docker run -it microsoft/nanoserver cmd

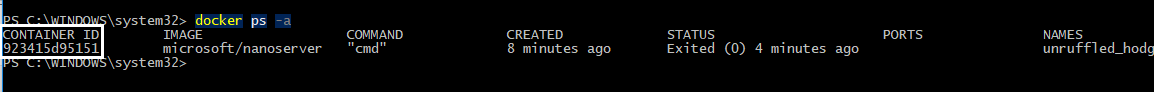
****

powershell.exe Add-Content C:\helloworld.ps1 'Write-Host "Hello World"

****

Exit

docker ps -a

****

Notice: please record the Container ID of 923415d95151

1. Run the following cmd to create the HelloWorld image:

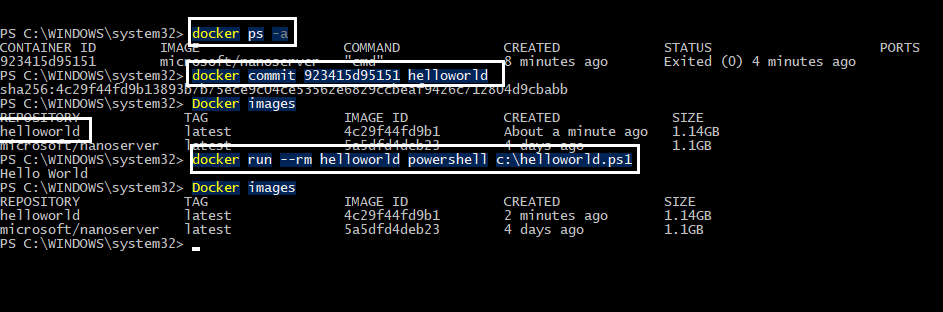
**docker commit** 923415d95151 **helloworld**

1. List the latest images

Docker images

1. Run the container

docker run --rm helloworld powershell c:\helloworld.ps1



How to build Asp.net application with Docker

https://docs.microsoft.com/zh-cn/virtualization/windowscontainers/quick-start/building-sample-app