

Trabajo Práctico 8 - Implementación de Contenedores en Azure y Automatización con Azure CLI

Prerrequisitos:

Azure CLI instalado

<https://learn.microsoft.com/es-es/cli/azure/install-azure-cli>

<https://learn.microsoft.com/es-es/cli/azure/install-azure-cli-linux?pivots=apt>

```
caro@e14:~$ curl -sL https://aka.ms/InstallAzureCLIDeb | sudo bash
```

```
caro@e14:~$ az
```

```
Welcome to Azure CLI!
```

```
-----
```

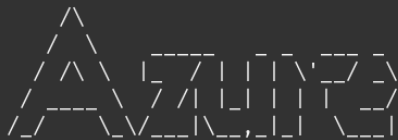
```
Use `az -h` to see available commands or go to https://aka.ms/cli.
```

```
Telemetry
```

```
-----
```

```
The Azure CLI collects usage data in order to improve your experience.  
The data is anonymous and does not include commandline argument values.  
The data is collected by Microsoft.
```

```
You can change your telemetry settings with `az configure`.
```

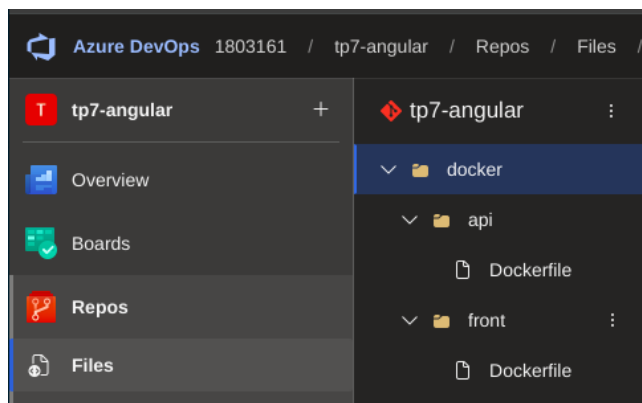


```
Welcome to the cool new Azure CLI!
```

4.1 Modificar nuestro pipeline para construir imágenes Docker de back y front y subirlas a ACR


4.1.1 Crear archivos DockerFile para nuestros proyectos de Back y Front

En la raíz de nuestro repo crear una carpeta docker con dos subcarpetas api y front, dentro de cada una de ellas colocar los dockerfiles correspondientes para la creación de imágenes docker en función de la salida de nuestra etapa de Build y Test.



4.1.2 Crear un recurso ACR en Azure Portal siguiendo el instructivo 5.1

Crear Registro de contenedor ...

 Validación superada

Datos básicosRedesCifradoEtiquetasRevisar y crear

Detalles del registro

Datos básicos



Nombre del Registro	CHIngSoft3UCCACR
Suscripción	Azure subscription 1
Grupo de recursos	TPSIngSoft3UCC2024
Ubicación	East US
Zonas de disponibilidad	Deshabilitado
Plan de precios	Basic

Redes








Acceso de red pública	Sí
-----------------------	----

Cifrado


Clave administrada por el cliente	Deshabilitado
Identidad	Ninguno


 Microsoft.ContainerRegistry | Información general  ...

Implementación

   Eliminar  Cancelar  Volver a implementar  Descargar  Actualizar

Información generalEntradasSalidasPlantilla

 Se completó la implementación

 Nombre de implementación : Microsoft.ContainerRegistry

Suscripción : Azure subscription 1

Grupo de recursos : TPSIngSoft3UCC2024

Hora de inicio : 11/10/2024, 07:32:30

Id. de correlación : a464feb5-db9d-40ca-a538-dfe9359456cd

> Detalles de implementación

< Pasos siguientes

Ir al recurso

URL: chingsoft3uccacr.azurecr.io

Nombre del registro: CHIngSoft3UCCACR

4.1.3 Modificar nuestro pipeline en la etapa de Build y Test

Luego de la tarea de publicación de los artefactos de Back agregar la tarea de publicación de nuestro dockerfile de back para que esté disponible en etapas posteriores:

```
82         Settings
83         - task: PublishBuildArtifacts@1
84           displayName: 'Publicar artefactos de compilación'
85           inputs:
86             PathToPublish: '$(Build.ArtifactStagingDirectory)'
87             ArtifactName: 'api-drop'
88             publishLocation: 'Container'
89
90         Settings
91         - task: PublishPipelineArtifact@1
92           displayName: 'Publicar Dockerfile de Back'
93           inputs:
94             targetPath: '$(Build.SourcesDirectory)/docker/api/dockerfile'
95             artifact: 'dockerfile-back'
96
97     - job: BuildAngular
```

Luego de la tarea de publicación de los artefactos de Front agregar la tarea de publicación de nuestro dockerfile de front para que esté disponible en etapas posteriores:

```
135 .....PathtoPublish: '$(frontPath)/dist'
136 .....ArtifactName: 'front-drop'
137 .....
138 .....Settings
139 .....- task: PublishPipelineArtifact@1
140 .....  displayName: 'Publicar Dockerfile de Front'
141 .....  inputs:
142 .....    targetPath: '$(Build.SourcesDirectory)/docker/front/dockerfile
143 .....    artifact: 'dockerfile-front'
```

4.1.4 En caso de no contar en nuestro proyecto con una ServiceConnection a Azure Portal para el manejo de recursos, agregar una service connection a Azure Resource Manager como se indica en instructivo 5.2

New Azure service connection ✕
Azure Resource Manager using Workload Identity federation with OpenID Connect (automatic)

Scope level

- ☒ Subscription
- ☐ Management Group
- ☐ Machine Learning Workspace

Subscription

Azure subscription 1 (5341073c-194f-47d6-9c70-69c9a32cbc...) ▾

Resource group

TPSingSoft3UCC2024 ▾

Details

Service connection name

ServiceConnectionARM

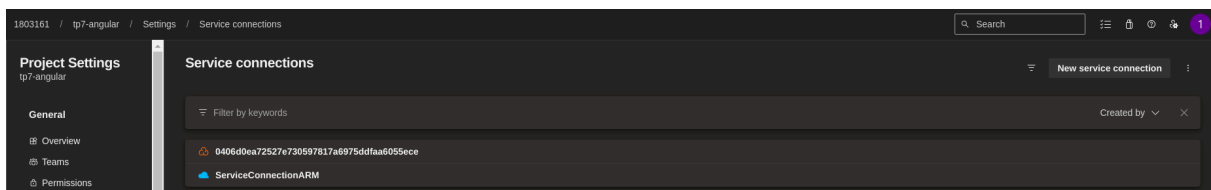
Service Management Reference (optional)

Description (optional)

Security

☒ Grant access permission to all pipelines

[Learn more](#) [Troubleshoot](#) Back Save



4.1.5 Agregar a nuestro pipeline variables

```
6 trigger:
7   - main
8
9 pool:
10  vmImage: 'windows-latest'
11
12 variables:
13   ConnectedServiceName: 'ServiceConnectionARM'
14   acrLoginServer: 'chingsoft3uccacr.azurecr.io'
15   backImageName: 'employee-crud-api'
16   solution: '**/*.sln'
17   buildPlatform: 'Any CPU'
18   buildConfiguration: 'Release'
19   frontPath: './EmployeeCrudAngular'
```

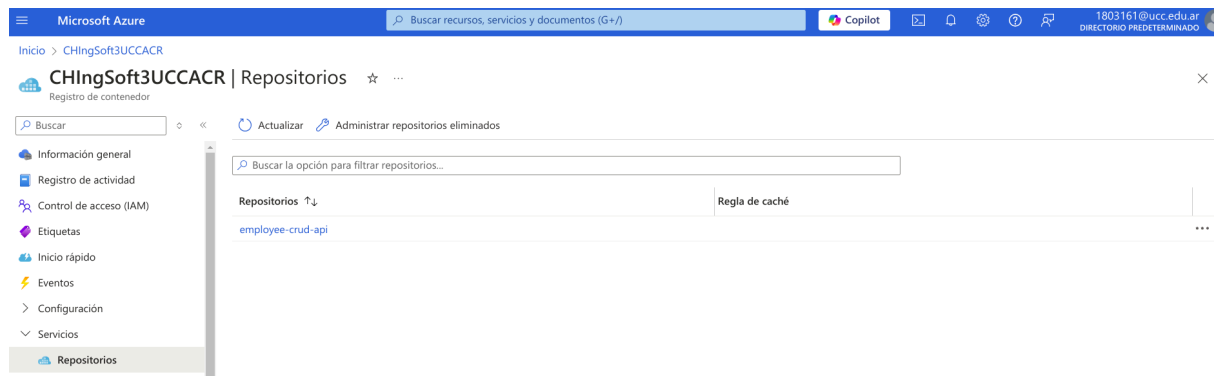
4.1.6 Agregar a nuestro pipeline una nueva etapa que dependa de nuestra etapa de Build y Test.

Agregar tareas para generar imagen Docker de Back

```
145 | artifact: 'dockerfile-front'
146 |
147 | #####
148 | ### STAGE BUILD DOCKER IMAGES Y PUSH A AZURE CONTAINER REGISTRY
149 | #####
150 |
151 | - stage: DockerBuildAndPush
152 |   displayName: 'Construir y Subir Imágenes Docker a ACR'
153 |   dependsOn: BuildAndTest
154 |   jobs:
155 |     - job: docker_build_and_push
156 |       displayName: 'Construir y Subir Imágenes Docker a ACR'
157 |       pool:
158 |         vmImage: 'ubuntu-latest'
159 |
160 |       steps:
161 |         - checkout: self
162 |
163 |         #####
164 |         # BUILD DOCKER BACK IMAGE Y PUSH A AZURE CONTAINER REGISTRY
165 |         # #####
166 |
167 |         - task: DownloadPipelineArtifact@2
168 |           displayName: 'Descargar Artefactos de Back'
169 |           inputs:
170 |             buildType: 'current'
171 |             artifactName: 'drop-back'
172 |             targetPath: '$(Pipeline.Workspace)/drop-back'
173 |
174 |         - task: DownloadPipelineArtifact@2
175 |           displayName: 'Descargar Dockerfile de Back'
176 |           inputs:
177 |             buildType: 'current'
178 |             artifactName: 'dockerfile-back'
179 |             targetPath: '$(Pipeline.Workspace)/dockerfile-back'
```

4.1.7 - Ejecutar el pipeline y en Azure Portal acceder a la opción Repositorios de nuestro recurso Azure Container Registry. Verificar que exista una imagen con el nombre especificado en la variable backImageName asignada en nuestro pipeline

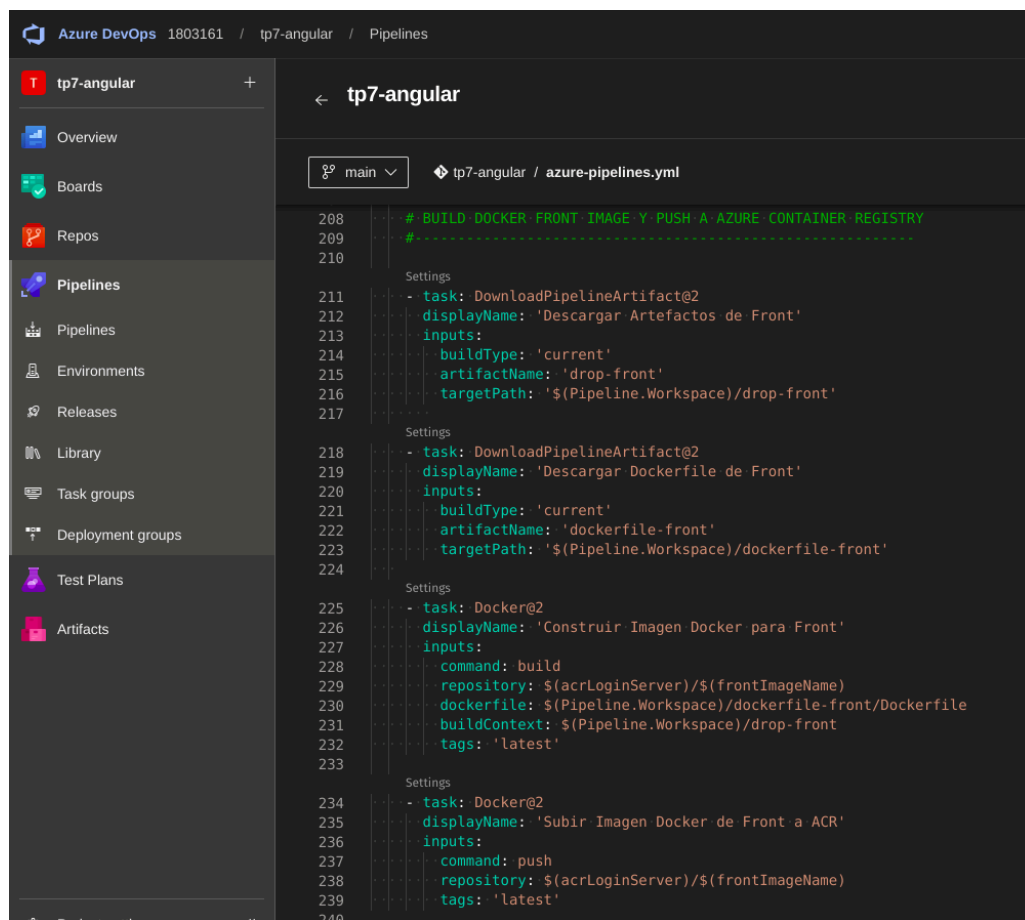
The screenshot displays the Azure DevOps interface for a pipeline named 'tp7-angular'. The pipeline is in a 'Completed' state. The summary section shows it was triggered by user 1803161, started at 18:56, and took 7m 6s. The stages section shows two jobs: 'Build and Test API a...' and 'Construir y Subir I...'. The 'Construir y Subir I...' job is completed with 1 job completed and 1m 27s duration.

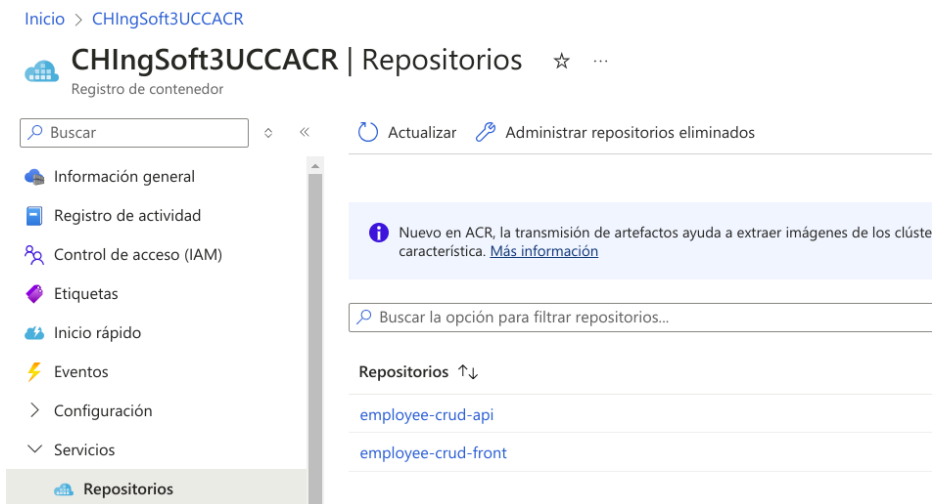
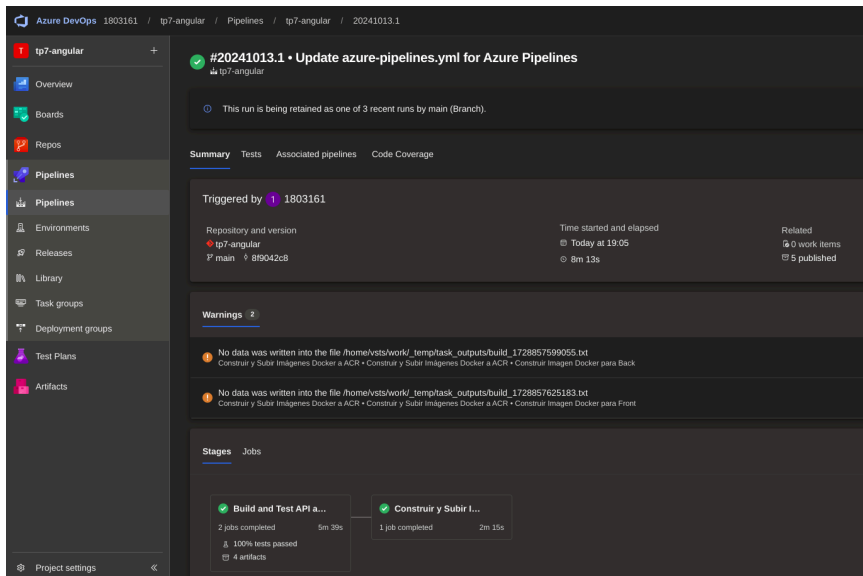


4.1.8 - Agregar tareas para generar imagen Docker de Front (DESAFÍO)

A la etapa creada en 4.1.6 Agregar tareas para generar imagen Docker de Front

```
15     frontImageName: 'employee-crud-api'
16     frontImageName: 'employee-crud-front'
17     frontImageName: 'employee-crud-api'
```





4.1.9 - Agregar a nuestro pipeline una nueva etapa que dependa de nuestra etapa de Construcción de Imágenes Docker y subida a ACR

Agregar variables a nuestro pipeline:

```

20 ·····FrontPath: './EmployeeCrudAngular'
21 ·····ResourceGroupName: 'TPSingSoft3UCC2024'
22 ·····backContainerInstanceNameQA: 'container-crud-api-qa'
23 ·····backImageTag: 'latest'
24 ·····container-cpu-api-qa: 1 #CPU de nuestro container de QA
25 ·····container-memory-api-qa: 1.5 #RAM de nuestro container de QA
26 ·····acrName: 'CHIngSoft3UCCACR'
27

```

Crear una Base de Datos SQL en Azure

Microsoft Azure | Buscar recursos, servicios y documentos (G+/) | Copilot

Inicio > TPSIngSoft3UCC2024 > Marketplace >

Crear base de datos SQL

Microsoft

Básico

Suscripción	Azure subscription 1
Grupo de recursos	TPSIngSoft3UCC2024
Región	Brazil South
Nombre de la base de datos	ch-sql-db
Servidor	(nueva) ch-sql-db
Método de autenticación	Autenticación SQL
Inicio de sesión del administrador del servidor	sqladmin
Proceso y almacenamiento	Básico: Almacenamiento: 2 GB
Redundancia del almacenamiento de copias de seguridad	Almacenamiento de copias de seguridad con redundancia local

Redes

Permitir que los servicios y recursos de Azure accedan a este servidor	Si
Agregar dirección IP del cliente actual 186.13.120.90	Si
Punto de conexión privado	Ninguno
Versión de TLS mínima	1.2
Directiva de conexión	Default

Crear < Anterior Descargar una plantilla para la automatización

Microsoft Azure | Buscar recursos, servicios y documentos (G+/) | Copilot

Inicio >

Microsoft.SQLDatabase.newDatabaseNewServer_5...

Implementación

Buscar x << Eliminar Cancelar Volver a implementar ...

Información general

- Entradas
- Salidas
- Plantilla

Se completó la implementación

Nombre de implementación : Microsoft.SQLDatabase.newDatabas...

Suscripción : Azure subscription 1

Grupo de recursos : TPSIngSoft3UCC2024

Hora de inicio : 15/10/2024, 05:39:19

Id. de correlación : 1912e202-603a-4b62-ae1c-8a5e99bd4624

> Detalles de implementación

> Pasos siguientes

Ir al recurso

Cadena de conexión:

Server=tcp:ch-sql-db.database.windows.net,1433;Initial Catalog=ch-sql-db;Persist Security Info=False;User ID=sqladmin;Password=YOURPASSWORD;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;

Agregar variable secreta cnn-string-qa desde la GUI de ADO que apunte a nuestra BD de SQL Server de QA como se indica en el instructivo 5.3

← **New variable**

Name

cnn-string-qa

Value

.....

☒ Keep this value secret

☐ Let users override this value when running this pipeline

```
caro@e14:~$ az acr update --name CHingSoft3UCCACR --admin-enabled true
{
  "adminUserEnabled": true,
  "anonymousPullEnabled": false,
```

```
caro@e14:~$ az provider register --namespace Microsoft.ContainerInstance
Registering is still on-going. You can monitor using 'az provider show -n Microsoft.ContainerInstance'
```

Modificamos program.cs para que lea la variable de entorno

1803161 / tp7-angular / Repos / Files / tp7-angular

Search

tp7-angular

- docker
- EmployeeCrudAngular
- EmployeeCrudApi
 - bin
 - Controllers
 - Data
 - Models
 - obj
 - Properties
 - appsettings.Devel
 - appsettings.json
 - EmployeeCrudAp
 - c# Program.cs

main

EmployeeCrudApi / EmployeeCrudApi / Program.cs

Program.cs

Contents History Compare Blame

```

5
6 var builder = WebApplication.CreateBuilder(args);
7
8 // Add services to the container
9 builder.Services.AddCors(o => o.AddPolicy("MyPolicy", builder =>
10 {
11     builder.AllowAnyOrigin()
12     .AllowAnyMethod()
13     .AllowAnyHeader();
14 }));
15
16 var connectionString = Environment.GetEnvironmentVariable("cnn-string-qa")
17     ?? builder.Configuration.GetConnectionString("DefaultConnection");
18
19 if (string.IsNullOrEmpty(connectionString))
20 {
21     throw new InvalidOperationException("La variable de entorno no esta configurada");
22 }
23
24 builder.Services.AddDbContext<ApplicationDbContext>(options =>
25     options.UseSqlServer(connectionString));
26
27 builder.Services.AddControllers();
28 // Learn more about configuring Swagger/OpenAPI at https://aka.ms/aspnetcore/swashbuckle
29 builder.Services.AddEndpointsApiExplorer();
30 builder.Services.AddSwaggerGen();
31
32 var app = builder.Build();
```

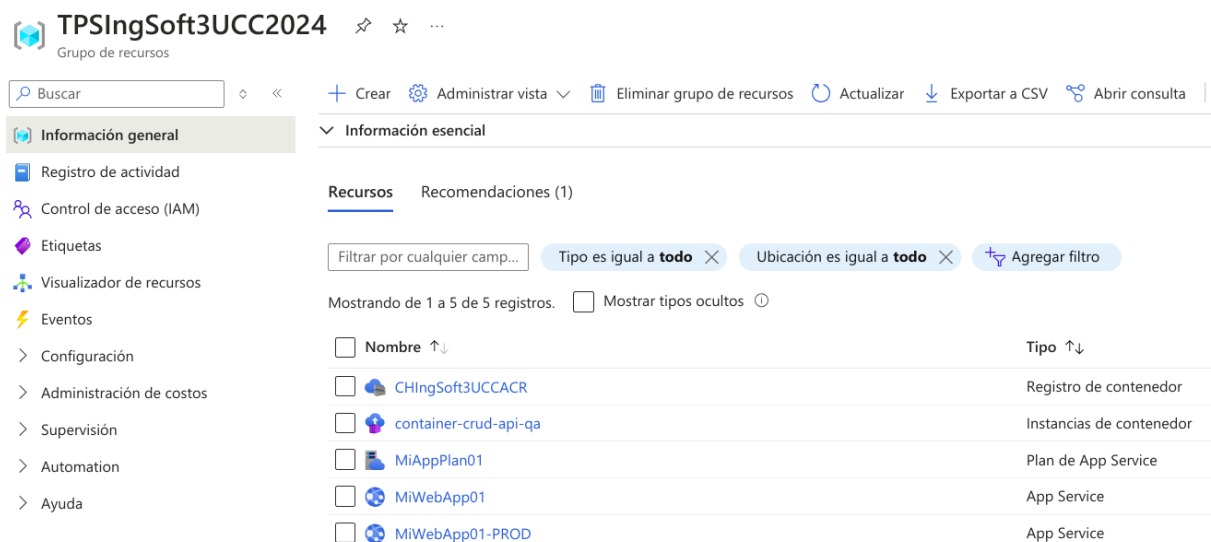
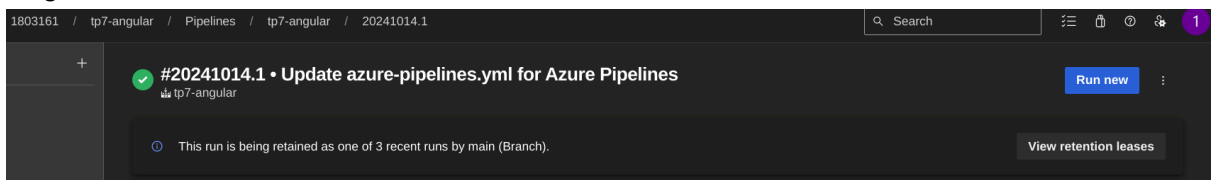
Agregar tareas para crear un recurso Azure Container Instances que levante un contenedor con nuestra imagen de back

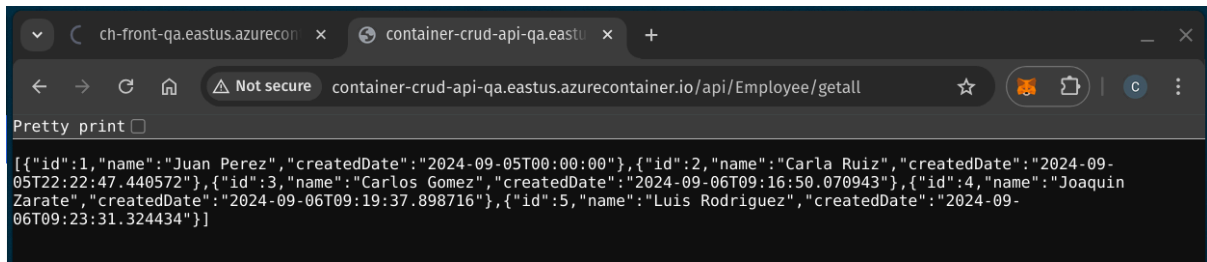

```

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285

```

4.1.10 - Ejecutar el pipeline y en Azure Portal acceder al recurso de Azure Container Instances creado. Copiar la url del contenedor y navegarlo desde browser. Verificar que traiga datos.





4.1.11 - Agregar tareas para generar un recurso Azure Container Instances que levante un contenedor con nuestra imagen de front (DESAFIO)

← Update variable

Name

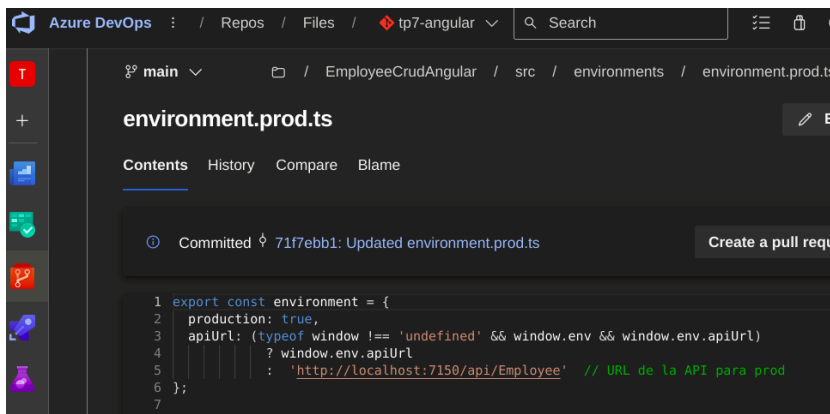
api_url

Value

http://container-crud-api-qa.eastus.azurecontainer.io/api/Employee/

☐ Keep this value secret

☐ Let users override this value when running this pipeline



Azure DevOps : / tp7-angular / Repos / Files / tp7-angular

environment.ts

Contents History Compare Blame

Committed a06f6fae: Updated environment.ts Create a pull request

```
1 // This file can be replaced during build by using the 'fileReplacements' array.
2 // 'ng build --prod' replaces 'environment.ts' with 'environment.prod.ts'.
3 // The list of file replacements can be found in 'angular.json'.
4
5 export const environment = {
6   production: false,
7   apiUrl: 'http://container-crud-api-qa.eastus.azurecontainer.io/api/Employee' // URL de la API para desarrollo
8 };
9
10
11 /*
12  * For easier debugging in development mode, you can import the following file
13  * to ignore zone related error stack frames such as 'zone.run', 'zoneDelegate.invokeTask'.
14  *
15  * This import should be commented out in production mode because it will have a negative impact
16  * on performance if an error is thrown.
17  */
18 // Import 'zone.js/dist/zone-error'; // Included with Angular CLI.
19
```

Azure DevOps : tp7-angular

typing.d.ts

Commit Revert

Contents

```
1 interface Window {
2   env: {
3     apiUrl: string;
4   };
5 }
```

test.ts

Contents History Compare Blame

Committed 5f08d967: Updated test.ts Create a pull request

```
1 // This file is required by karma.conf.js and loads recursively all the .spec and framework files
2
3 (window as any)['env'] = (window as any)['env'] || {};
4 (window as any)['env']['apiUrl'] = (window as any)['env']['apiUrl'] || 'http://container-crud-api-qa.eastus.azurecontainer.io/api/Employee';
5
6 import 'zone.js/dist/zone-testing';
7 import { getTestBed } from '@angular/core/testing';
8 import {
9   BrowserDynamicTestingModule,
10   platformBrowserDynamicTesting
11 } from '@angular/platform-browser-dynamic/testing';
12
13 declare const require: {
```

Azure DevOps / Repos / Files / tp7-angular

index.html

Contents Preview History Compare Blame

Committed 34258945: Updated index.html

Create a pull request

```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>EmployeeCrudAngular</title>
6   <base href="/">
7   <meta name="viewport" content="width=device-width, initial-scale=1">
8   <link rel="icon" type="image/x-icon" href="favicon.ico">
9 </head>
10 <script src="assets/env.js"></script>
11 <script>
12   console.log('Valor de api-url desde env.js:', window['env'].apiUrl);
13 </script>
14 <body>
15   <app-root></app-root>
16 </body>
17 </html>
```

1803161 / tp7-angular / Pipelines

tp7-angular

Variables Validate and save

tp7-angular / azure-pipelines.yml *

```
323 - task: AzureCLI@2
324   displayName: 'Desplegar Imagen Docker de Front en ACI QA'
325   inputs:
326     azureSubscription: '$(ConnectedServiceName)'
327     scriptType: bash
328     scriptLocation: inlineScript
329     inlineScript: |
330       echo "Resource Group: $(ResourceGroupName)"
331       echo "Container Instance Name: $(frontContainerInstanceNameQA)"
332       echo "ACR Login Server: $(acrLoginServer)"
333       echo "Image Name: $(frontImageName)"
334       echo "Image Tag: $(frontImageTag)"
335       echo "Api Url: $(api_url)"
336
337       az container delete --resource-group $(ResourceGroupName) --name $(frontContainerInstanceNameQA) --yes
338
339       az container create --resource-group $(ResourceGroupName) \
340         --name $(frontContainerInstanceNameQA) \
341         --image $(acrLoginServer)/$(frontImageName):$(frontImageTag) \
342         --registry-login-server $(acrLoginServer) \
343         --registry-username $(acrName) \
344         --registry-password $(az acr credential show --name $(acrName) --query "passwords[0].value" -o tsv) \
345         --dns-name-label $(frontContainerInstanceNameQA) \
346         --ports 80 \
347         --environment-variables api_url="$(api_url)" \
348         --restart-policy Always \
349         --cpu $(container-cpu-front-qa) \
350         --memory $(container-memory-front-qa)
```

Microsoft Azure

Buscar recursos, servicios y documentos (G+)

Copilot

1803161@ucc.edu.ar

ch-front-qa

Instancias de contenedor

Buscar

Inicio

Información general

Registro de actividad

Control de acceso (IAM)

Etiquetas

Configuración

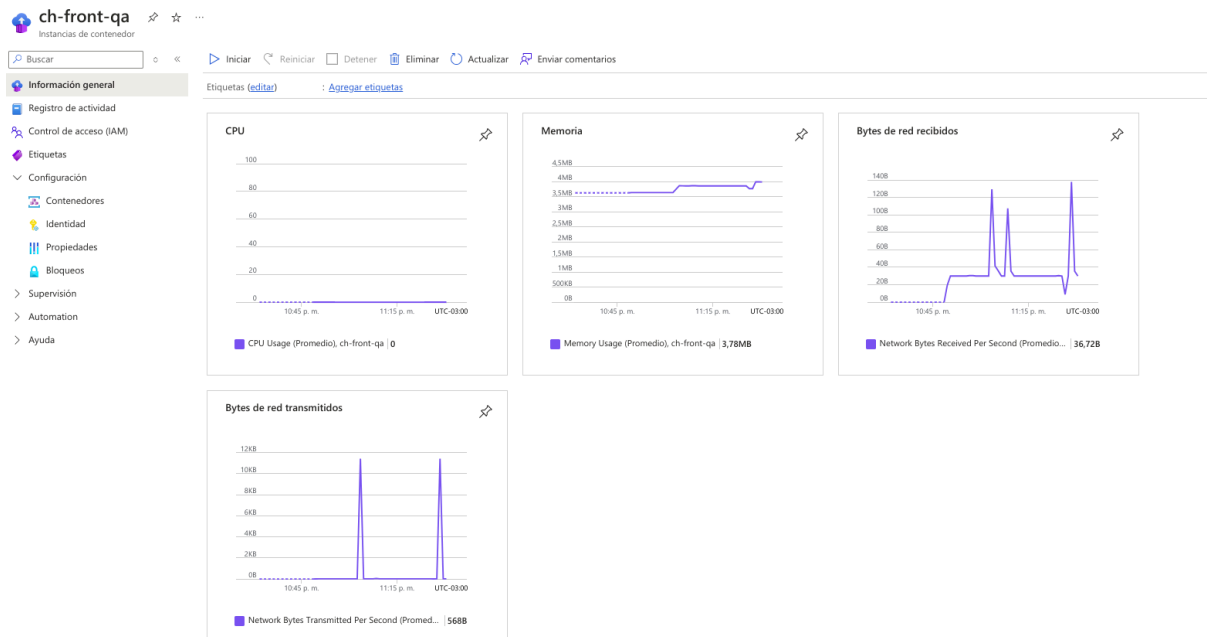
Supervisión

Automation

Información esencial

Grupo de recursos (mover)	: TPSingSoft3UCC2024	SKU	: Standard
Estado	: En ejecución	Tipo de SO	: Linux
Ubicación	: East US	Dirección IP (Public)	: 172.171.182.63
Suscripción (mover)	: Azure subscription 1	FQDN	: ch-front-qa.eastus.azurecontainer.io
Id. de suscripción	: 5341073c-194f-47d6-9c70-69c9a32cbcdf	Recuento de contenedores	: 1
Etiquetas (editar)	: Agregar etiquetas		

Vista JSON



EmployeeCrudAngular

Not secure ch-front-qa.eastus.azurecontainer.io

EmployeeCrudAngular

Employees:

Id	Name	Created Date		
1	Juan Perez	05/09/2024 00:00:00		
2	Carla Ruiz	05/09/2024 22:22:47		
3	Carlos Gomez	06/09/2024 09:16:50		
4	Joaquin Zarate	06/09/2024 09:19:37		
5	Luis Rodriguez	06/09/2024 09:23:31		

4.1.12 - Agregar tareas para correr pruebas de integración en el entorno de QA de Back y Front creado en ACI.

4.2 Desafíos:

[Listo] 4.2.1 Agregar tareas para generar imagen Docker de Front. (Punto 4.1.8)

[Listo] 4.2.2 Agregar tareas para generar en Azure Container Instances un contenedor de imagen Docker de Front. (Punto 4.1.11)

4.2.3 Agregar tareas para correr pruebas de integración en el entorno de QA de Back y Front creado en ACI. (Punto 4.1.12)

[Listo] 4.2.4 Agregar etapa que dependa de la etapa de Deploy en ACI QA y genere contenedores en ACI para entorno de PROD.

Creemos 2 variables de entorno más para que cambie la cadena de conexión a la api de prod o qa y a la db de prod o qa (aunque en este caso, la db es la misma para ambos)

The image shows two screenshots from the Azure DevOps interface. The top screenshot is a 'Variables' dialog box with a search bar and a list of variables:

- `cnn-string-prod` (locked icon, masked with asterisks)
- `api_url_prod` (fx icon, value: `http://container-crud-api-prod.eastus.azurecontainer...`)
- `api_url_qa` (fx icon, value: `http://container-crud-api-qa.eastus.azurecontainer.io...`)
- `cnn-string-qa` (locked icon, masked with asterisks)

The bottom screenshot shows the 'tp7-angular' pipeline in the 'Pipelines' view. The 'Variables' tab is selected. The pipeline configuration is shown for the file `tp7-angular / azure-pipelines.yml`. The YAML content is as follows:

```
22 buildConfiguration: 'Release'
23
24 buildOutput: '$(Build.ArtifactStagingDirectory)'
25 frontPath: './EmployeeCrudAngular'
26 backPath: './EmployeeCrudApi'
27 ResourceGroupName: 'TPSIngSoft3UCC2024'
28 backContainerInstanceNameQA: 'container-crud-api-qa'
29 backImageTag: 'latest'
30 container-cpu-api-qa: 1 #CPU de nuestro container de QA
31 container-memory-api-qa: 1.5 #RAM de nuestro container de QA
32
33 backContainerInstanceNameProd: 'container-crud-api-prod'
34 container-cpu-api-prod: 1 #CPU de nuestro container de PROD
35 container-memory-api-prod: 1.5 #RAM de nuestro container de PROD
36
37 frontContainerInstanceNameQA: 'ch-front-qa'
38 frontImageTag: 'latest'
39 container-cpu-front-qa: 1
40 container-memory-front-qa: 1.5
41
42 frontContainerInstanceNameProd: 'ch-front-prod'
43 container-cpu-front-prod: 1
44 container-memory-front-prod: 1.5
45
```

```
1803161 / tp7-angular / Pipelines

+

← tp7-angular

main ▾ tp7-angular / azure-pipelines.yml *

360 ##### STAGE DEPLOY-TO ACI PROD
361 ##### STAGE DEPLOY-TO ACI PROD
362 ##### STAGE DEPLOY-TO ACI PROD
363
364 - stage: DeployToACIPROD
365   displayName: 'Desplegar en Azure Container Instances (ACI) PROD'
366   dependsOn: DeployToACIQA
367   jobs:
368     - deployment: DeployToProd
369       displayName: 'Desplegar en Azure Container Instances (ACI) PROD'
370       environment: 'Production'
371       strategy:
372         runOnce:
373           deploy:
374
375       steps:
376         # DEPLOY DOCKER BACK IMAGE A AZURE CONTAINER INSTANCES PROD
377         # DEPLOY DOCKER BACK IMAGE A AZURE CONTAINER INSTANCES PROD
378         # DEPLOY DOCKER BACK IMAGE A AZURE CONTAINER INSTANCES PROD
379
380       Settings
381       - task: AzureCLI@2
382         displayName: 'Desplegar Imagen Docker de Back en ACI PROD'
383         inputs:
384           azureSubscription: '$(ConnectedServiceName)'
385           scriptType: bash
386           scriptLocation: inlineScript
387           inlineScript: |
388             echo "Resource Group: $(ResourceGroupName)"
389             echo "Container Instance Name: $(backContainerInstanceNameProd)"
390             echo "ACR Login Server: $(acrLoginServer)"
391             echo "Image Name: $(backImageName)"
392             echo "Image Tag: $(backImageTag)"
393             echo "Connection String: $(cnn-string-prod)"
394
395             az container delete --resource-group $(ResourceGroupName) --name $(backContainerInstanceNameProd) --yes
396
397             az container create --resource-group $(ResourceGroupName) \
398               --name $(backContainerInstanceNameProd) \
399               --image $(acrLoginServer)/$(backImageName):$(backImageTag) \
400               --registry-login-server $(acrLoginServer) \
401               --registry-username $(acrName) \
402               --registry-password $(az acr credential show --name $(acrName) --query "passwords[0].value" -o tsv) \
403               --dns-name-label $(backContainerInstanceNameProd) \
404               --ports 80 \
405               --environment-variables ConnectionStrings__DefaultConnection="$(cnn-string-prod)" \
406               --restart-policy Always \
407               --cpu $(container-cpu-api-prod) \
408               --memory $(container-memory-api-prod)
```

```
1803161 / tp7-angular / Pipelines

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← tp7-angular

main ▾ tp7-angular / azure-pipelines.yml *

398 --image $(acrLoginServer)/$(backImageName):$(backImageTag) \
399 --registry-login-server $(acrLoginServer) \
400 --registry-username $(acrName) \
401 --registry-password $(az acr credential show --name $(acrName) --query "passwords[0].value" -o tsv) \
402 --dns-name-label $(backContainerInstanceNameProd) \
403 --ports 80 \
404 --environment-variables ConnectionStrings__DefaultConnection="$(cnn-string-prod)" \
405 --restart-policy Always \
406 --cpu $(container-cpu-api-prod) \
407 --memory $(container-memory-api-prod)

Settings
408 - task: AzureCLI@2
409   displayName: 'Desplegar Imagen Docker de Front en ACI PROD'
410   inputs:
411     azureSubscription: '$(ConnectedServiceName)'
412     scriptType: bash
413     scriptLocation: inlineScript
414     inlineScript: |-
415       echo "Resource Group: $(ResourceGroupName)"
416       echo "Container Instance Name: $(frontContainerInstanceNameProd)"
417       echo "ACR Login Server: $(acrLoginServer)"
418       echo "Image Name: $(frontImageName)"
419       echo "Image Tag: $(frontImageTag)"
420       echo "Api Url: $(api_url_prod)"
421
422       az container delete --resource-group $(ResourceGroupName) --name $(frontContainerInstanceNameProd) --yes
423
424       az container create --resource-group $(ResourceGroupName) \
425         --name $(frontContainerInstanceNameProd) \
426         --image $(acrLoginServer)/$(frontImageName):$(frontImageTag) \
427         --registry-login-server $(acrLoginServer) \
428         --registry-username $(acrName) \
429         --registry-password $(az acr credential show --name $(acrName) --query "passwords[0].value" -o tsv) \
430         --dns-name-label $(frontContainerInstanceNameProd) \
431         --ports 80 \
432         --environment-variables api_url="$(api_url_prod)" \
433         --restart-policy Always \
434         --cpu $(container-cpu-front-prod) \
435         --memory $(container-memory-front-prod)
436
437 ##### STAGE DEPLOY-TO ACI PROD
```

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Triggered by 1 1803161

View change

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Time started and elapsed

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Today at 10:28

0 work items

Get started

main

4c8343ee

20m 47s

4 published

Warnings 2

No data was written into the file /home/vsts/work/_temp/task_outputs/build_1729172033324.txt

Construir y Subir Imágenes Docker a ACR • Construir y Subir Imágenes Docker a ACR • Construir Imagen Docker para Back

No data was written into the file /home/vsts/work/_temp/task_outputs/build_1729172126232.txt

Construir y Subir Imágenes Docker a ACR • Construir y subir imagenes docker de front a ACR • Construir Imagen Docker para Front

This pipeline needs permission to access a resource before this run can continue to Desplegar en Azure Container Instances (ACI) PROD

View

StagesJobs

Build and Test API a...

Construir y Subir I...

Desplegar en Azure ...

Desplegar en Azure ...

2 jobs completed3m 57s

2 jobs completed2m 58s

1 job completed2m 14s

Waiting

4 artifacts

Permission needed

Nombre ↑↓	Tipo ↑↓	Ubicación ↑↓
ch-front-prod	Instancias de contenedor	East US
ch-front-qa	Instancias de contenedor	East US
ch-sql-db	SQL Server	Brazil South
ch-sql-db (ch-sql-db/ch-sql-db)	Base de datos SQL	Brazil South
CHIngSoft3UCCACR	Registro de contenedor	East US
container-crud-api-prod	Instancias de contenedor	East US
container-crud-api-qa	Instancias de contenedor	East US
MiAppPlan01	Plan de App Service	Brazil South

← → ↻ 🔖 ⚠ Not secure container-crud-api-prod.eastus.azurecontainer.io/api/Employee/getAll

Pretty print

[[{"id":1,"name":"Juan Perez","createdAt":"2024-09-05T00:00:00"}, {"id":2,"name":"Carla Ruiz","createdAt":"2024-09-05T22:22:47.440572"}, {"id":3,"name":"Carlos Gomez","createdAt":"2024-09-06T09:16:50.070943"}, {"id":4,"name":"Joaquin Zarate","createdAt":"2024-09-06T09:19:37.898716"}, {"id":5,"name":"Luis Rodriguez","createdAt":"2024-09-06T09:23:31.324434"}]]

← → ↻ 🔖 ⚠ Not secure ch-front-prod.eastus.azurecontainer.io

EmployeeCrudAngular

Employees:

ID	Name	Created Date		
1	Juan Perez	05/09/2024 00:00:00		
2	Carla Ruiz	05/09/2024 22:22:47		
3	Carlos Gomez	06/09/2024 09:16:50		
4	Joaquin Zarate	06/09/2024 09:19:37		
5	Luis Rodriguez	06/09/2024 09:23:31		