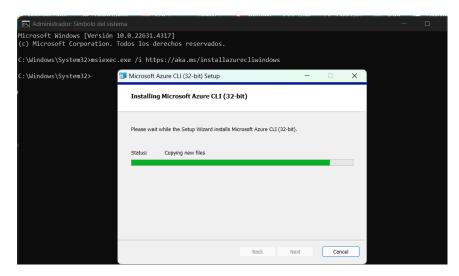
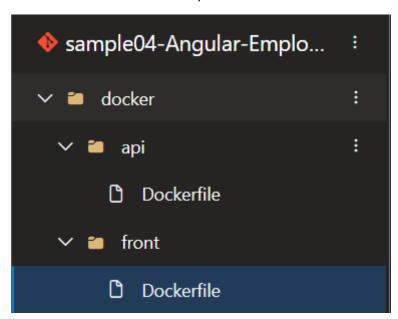
Instalo Azure CLI

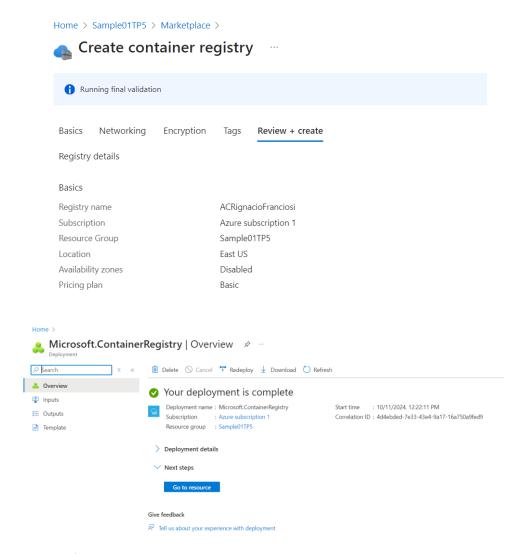


4.1 Modificar nuestro pipeline para construir imágenes Docker de back y front y subirlas a ACR

Creación de dockerfile en back y front



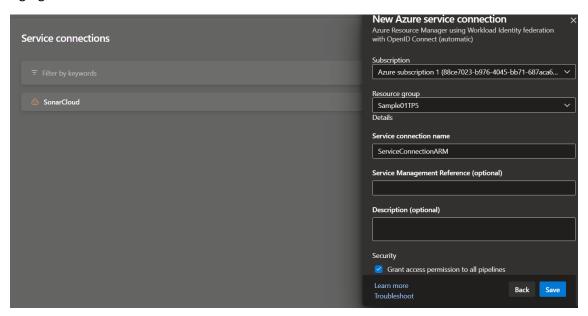
Creo el ACR



URL: acrignaciofranciosi.azurecr.io

Modifico el pipeline

Agrego service connection



Agrego variables

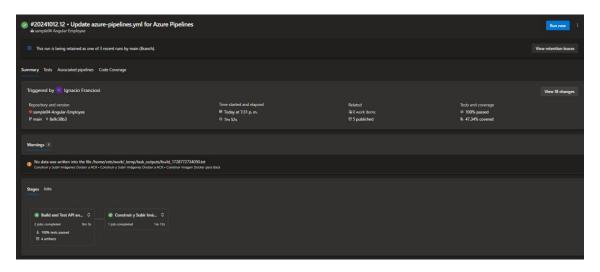
Agrego stages

```
Formula Complements Container Registry

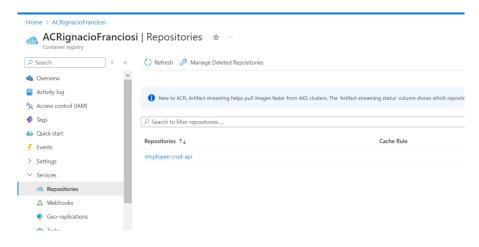
Formula Complements Container Registry

Formula Container Registry
```

Run

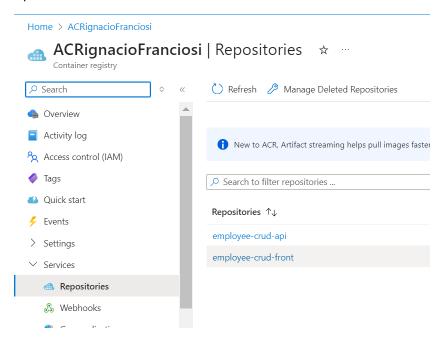


Existe en ACR



Aplico lo mismo que antes pero para front

Aparece



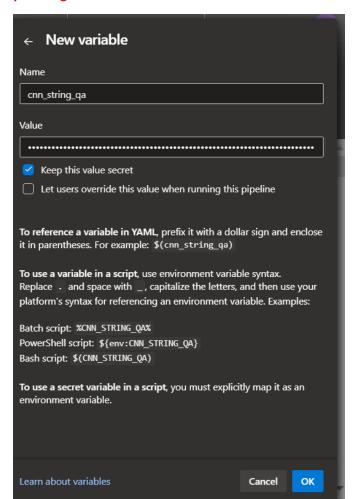
Agrego nuevas variables

```
- name: ResourceGroupName - value: 'Sample01TP5' * #Por * ejemplo * 'TPS_INGSOFT3_UCC' - name: backContainerInstanceNameQA - value: 'as-crud-api-qa' * #Por * ejemplo * 'as-crud-api-qa' - name: backImageTag - value: 'latest' - name: container-cpu-api-qa - value: 1 * #CPUS * de * nuestro * container * de * QA - name: container * memory * api-qa - value: * 1.5 * #RAM * de * nuestro * container * de * QA
```

Creacion de variable cnn string qa (contiene la cadena conexión de mi bd sql)

Server=localhost,15000;Database=Employees;User Id=SA;Password=Igna1234;TrustServerCertificate=True;

NOTA: Tuve que crear un contenedor con BD SQL porque la BD de Azure se le venció la prueba gratis



Agrego el nuevo stage

Update Program.cs para que use la variable cnn-string-qa

```
೪ main ∨
                                                                         🗅 / EmployeeCrudApi / EmployeeCrudApi / Program.cs
sample04-Angular-Empl...
> a docker
                                                   Program.cs
> = EmployeeCrudAngular
                                                   Contents Highlight changes
EmployeeCrudApi
                                                       1 using EmployeeCrudApi.Data;
2 using Microsoft.EntityFrameworkCore;
3 using Microsoft.Extensions.Configuration;
4 using Microsoft.Extensions.Configuration;
  EmployeeCrudApi
                                                        ovar builder = WebApplication.CreateBuilder(args);
     > a Controllers
                                                          builder.Services.AddCors(o => o.AddPolicy("MyPolicy", builder =>
     > 🛅 Data
                                                             builder.AllowAnyOrigin()
.AllowAnyMethod()
.AllowAnyHeader();
     > ii Models
     > 👛 obi
                                                        6 var connectionString = Environment.GetEnvironmentVariable("cnn-string-qa")
     > Properties
                                                          if (string.IsNullOrEmpty(connectionString))
        appsettings.Developm
                                                             throw new InvalidOperationException("La variable de entorno no esta configurada!")
        appsettings.json
                                                       builder.Services.AddDbContext<ApplicationDbContext>(options =>
ptions.UseSqlServer(connectionString));

☐ EmployeeCrudApi.csp

        C# Program.cs
                                                       builder.Services.AddControllers();
                                                          builder.Services.AddEndpointsApiExplorer();
builder.Services.AddSwaggerGen();
     EmployeeCrudApi.sln
> EmployeeCrudApi.Tests
                                                       32 var app = builder.Build();
```

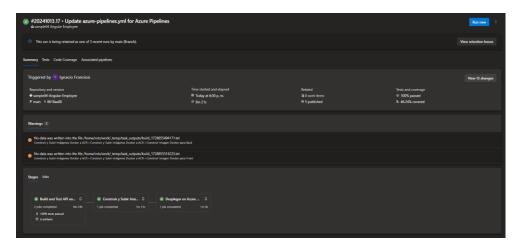
Azure CLI

```
C:\Users\admin>az acr update -n ACRignacioFranciosi --admin-enabled true
{
    "adminUserEnabled": true,
    "anonymousPullEnabled": false,
    "creationDate": "2024-10-11T15:22:13.960262+00:00",
    "dataEndpointEnabled": false,
    "dataEndpointHostNames": [],
    "encryption": {
        "keyVaultProperties": null,
        "status": "disabled"

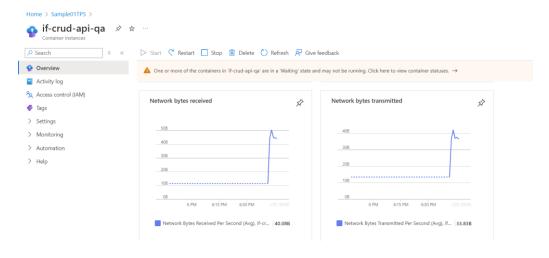
},
    "id": "/subscriptions/88ce7023-b976-4045-bb71-687aca616e4d/resourceGroups/Sample01TP5/providers/Microsoft.ContainerReg
istry/registries/ACRignacioFranciosi",
    "identity": null,
    "location": "eastus",
    "loginServer": "acrignaciofranciosi.azurecr.io",
    "metadataSearch": "Disabled",
    "name": "ACRignacioFranciosi',
    "networkRuleBypassOptions": "AzureServices",
    "networkRuleBypassOptions": "AzureServices",
    "networkRuleSet": null,
    "policies": {
        "status": "enabled"
     },
        "exportPolicy": {
        "status": "enabled"
     },
        "quarantinePolicy": {
        "status": "enabled"
     },
        "quarantinePolicy": {
        "status": "disabled"
     },
        "quarantinePolicy": {
        "status": "disabled"
}
```

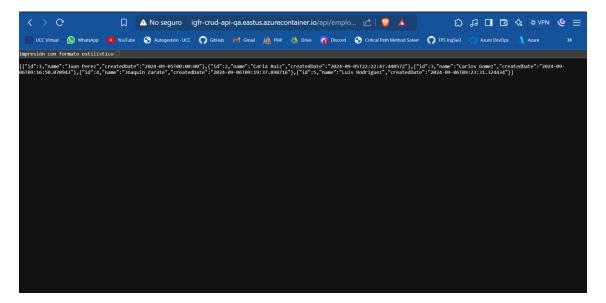
C:\Users\admin>az provider register --namespace Microsoft.ContainerInstance Registering is still on-going. You can monitor using 'az provider show -n Microsoft.ContainerInstance'

Corre bien

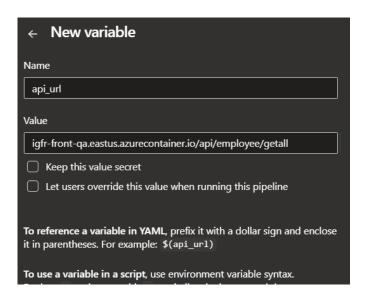


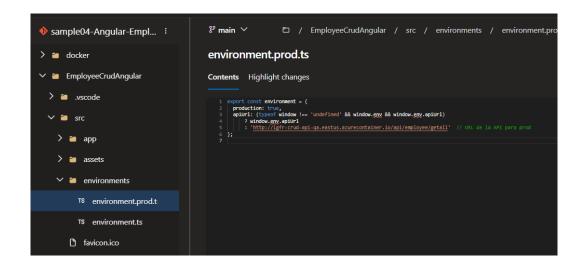
Container

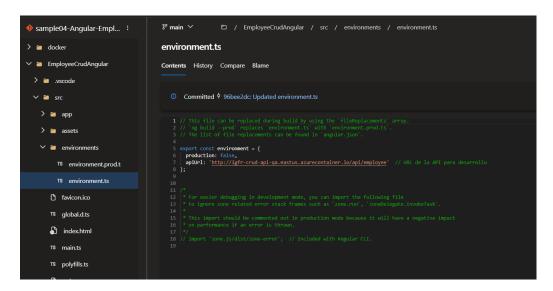




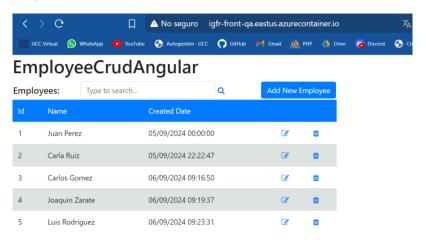
Container Front







Trae todos los empleados :)



Tests

```
💠 sample04-Angular-Empl... ᠄
                                                                                          🗀 / EmployeeCrudAngular / cypress / e2e / nombreMuyLargo.cy.js
> a docker
                                                               nombreMuyLargo.cy.js
EmployeeCrudAngular
                                                                    1 describe('validacion: longitud maxima de nombre', () => {
2     it('Mensaje de error cuando tiene mas de 10 caracteres', () => {
3         const apiUrl = Cypress.env('baseUrl');

✓ 

    cypress

                                                                                  if(!apiUrl){
    throw new Error ('apiUrl is not defined, check env variables');
     ∨ ≅ e2e
            TS nombreMuyCorto.c
             TS nombreMuyLargo.c
                                                                                 cy.get('button.btn-primary').contains('Add new employee').click();
cy.get('input[name="name"]').type('NombreDemasiadoLargo');
cy.get('.btn').click();
cy.get('.toast-message').should('contain.text', 'El nombre no puede tener mas de 10 caracteres');
   > 🗃 src
   > 👛 test-results
       .editorconfig
      .gitignore
```

Job

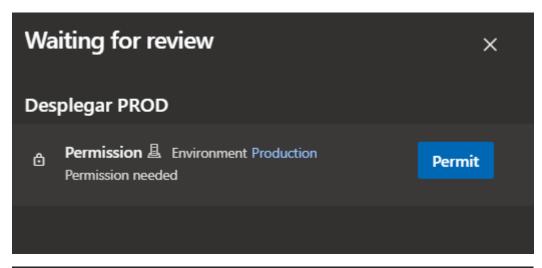
Contenedores PROD

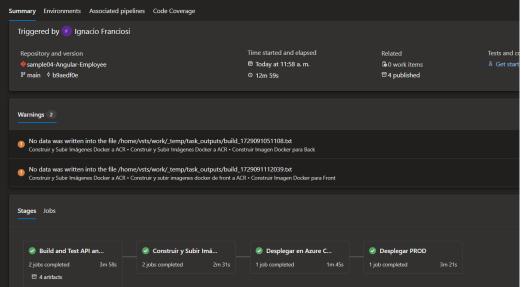
```
--name: backContainerInstanceNameProd
--value: 'igfr-container-back-prod'
--name: frontContainerInstanceNameProd
--value: 'igfr-container-front-prod'
```

```
Settings
- task: AzureCLI@2
- displayMame: 'Desplegar Imagen Docker de Front en ACI (PROD)'
- inputs:
- azureSubscription: '$(ConnectedServiceName)'
- scriptType: bash
- scriptType: bash
- scriptCocation: inlineScript
- inlineScript: |
- echo "Resource Group: $(ResourceGroupName)"
- echo "Resource Group: $(ResourceGroupName)"
- echo "ACR Login Server: $(acrloginServer)"
- echo "ACR Login Server: $(acrloginServer)"
- echo "Image Name: $(frontImageName)"
- echo "Image Name: $(frontImageName)"
- echo "API URL: $(PROD)"

- az container delete --resource-group $(ResourceGroupName) \--name $(frontContainerInstanceNameProd) \--yes

- az container create --resource-group $(ResourceGroupName) \
- -name $(frontContainerInstanceNameProd) \\
- -name $(frontContainerInstanceNameProd) \\
- -registry-login-server $(acrloginServer) \\
- -registry-login-server $(acrloginServer) \\
- -registry-login-server $(acrloginServer) \\
- -registry-password $(az acr credential show --name $(acrName) \-- endsr-mame-label $(frontContainerInstanceNameProd) \\
- -registry-password $(az acr credential show --name $(acrName) \-- endsr-mame-label $(frontContainerInstanceNameProd) \\
- -registry-password $(az acr credential show --name $(acrName) \-- endsr-mame-label $(frontContainerInstanceNameProd) \\
- -registry-password $(az acr credential show --name $(acrName) \-- endsr-mame-label $(frontContainerInstanceNameProd) \\
- -- endsr-mame-label $(frontContainerInstanc
```





☐ ♀ igfr-container-back-prod
 ☐ ♀ igfr-container-front-prod
 ☐ ♀ igfr-crud-api-qa
 ☐ ♀ igfr-front-qa