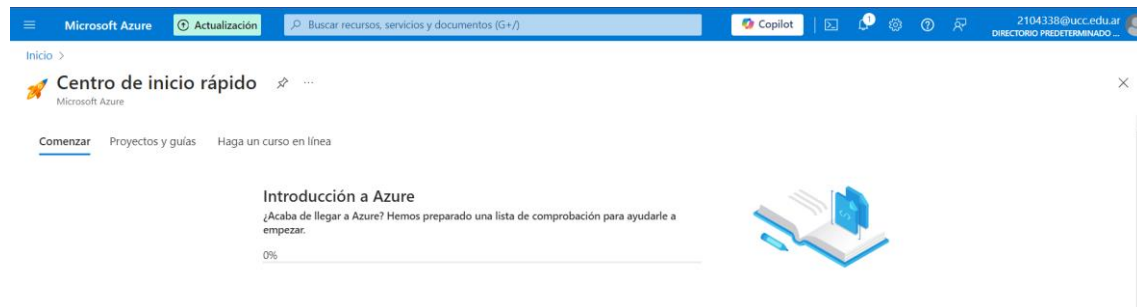


4- Desarrollo:

4.1. Crear una cuenta en Azure



4.2. Crear un recurso Web App en Azure Portal y navegar a la url provista

Inicio > Crear un recurso >

Crear aplicación web ...

Datos básicos Base de datos Implementación Redes Supervisión y protección Etiquetas Revisar y crear

App Service Web Apps le permite generar, implementar y escalar rápidamente aplicaciones empresariales web, móviles y de API que se ejecutan en cualquier plataforma. Satisfaga los estrictos requisitos de rendimiento, escalabilidad, seguridad y cumplimiento sin renunciar a una plataforma totalmente administrada para el mantenimiento de la infraestructura. [Más información](#)

Detalles del proyecto

Seleccione una suscripción para administrar los recursos implementados y los costos. Use los grupos de recursos como carpetas para organizar y administrar todos los recursos.

Suscripción *

Grupo de recursos * [Crear nuevo](#)

Detalles de instancia

Nombre * .azurewebsites.net

☐ Pruebe un nombre de host predeterminado único (versión preliminar). [Más información sobre esta actualización](#)

Publicar * ☒ Código ☐ Contenedor ☐ Aplicación web estática

Pila del entorno en tiempo de ejecución *

Sistema operativo * ☐ Linux ☒ Windows

Región *

Planes de precios

[Revisar y crear](#) < Anterior Siguiente: Base de datos >

[Inicio](#) >



Microsoft.Web-WebApp-Portal-3b3b79a8-8004 | Información general

Implementación

Buscar



Eliminar



Cancelar



Volver a implementar



Descargar



Actualizar

Información general

Entradas

Salidas

Plantilla

La implementación está en curso



Nombre de implementación: Microsoft.Web-WebApp-Portal-3b3b...

Suscripción: [Azure subscription 1](#)

Grupo de recursos: [Sample01TP5](#)

Hora de inicio: 3/9/2024, 2:55:32 p.m.

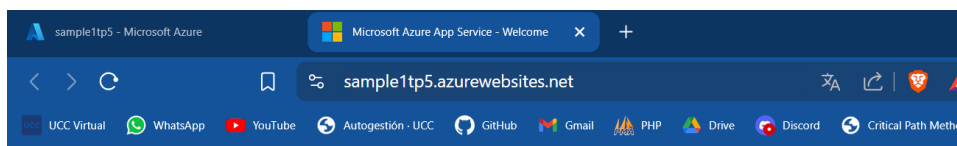
Id. de correlación: 1796c3ac-4181-4892-84ae-6514cae8272'

Detalles de implementación

Recurso	Tipo	Estado	Detalles de la operación
MiPlan	Microsoft.Web/serverfarms	OK	Detalles de la operación
newWorkspaceTemplate	Microsoft.Resources/deploy...	OK	Detalles de la operación

Enviar comentarios

[Cuéntenos su experiencia con la implementación](#)



Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



Supporting Node.js, Java, .NET and more

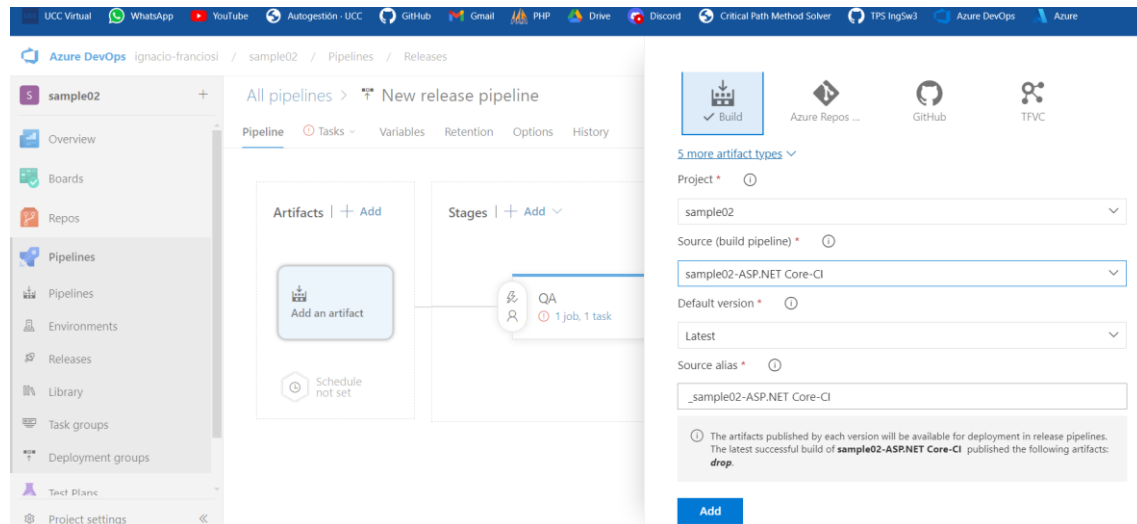
Haven't deployed yet?

Use the deployment center to publish code or set up continuous deployment

Starting a new web site?

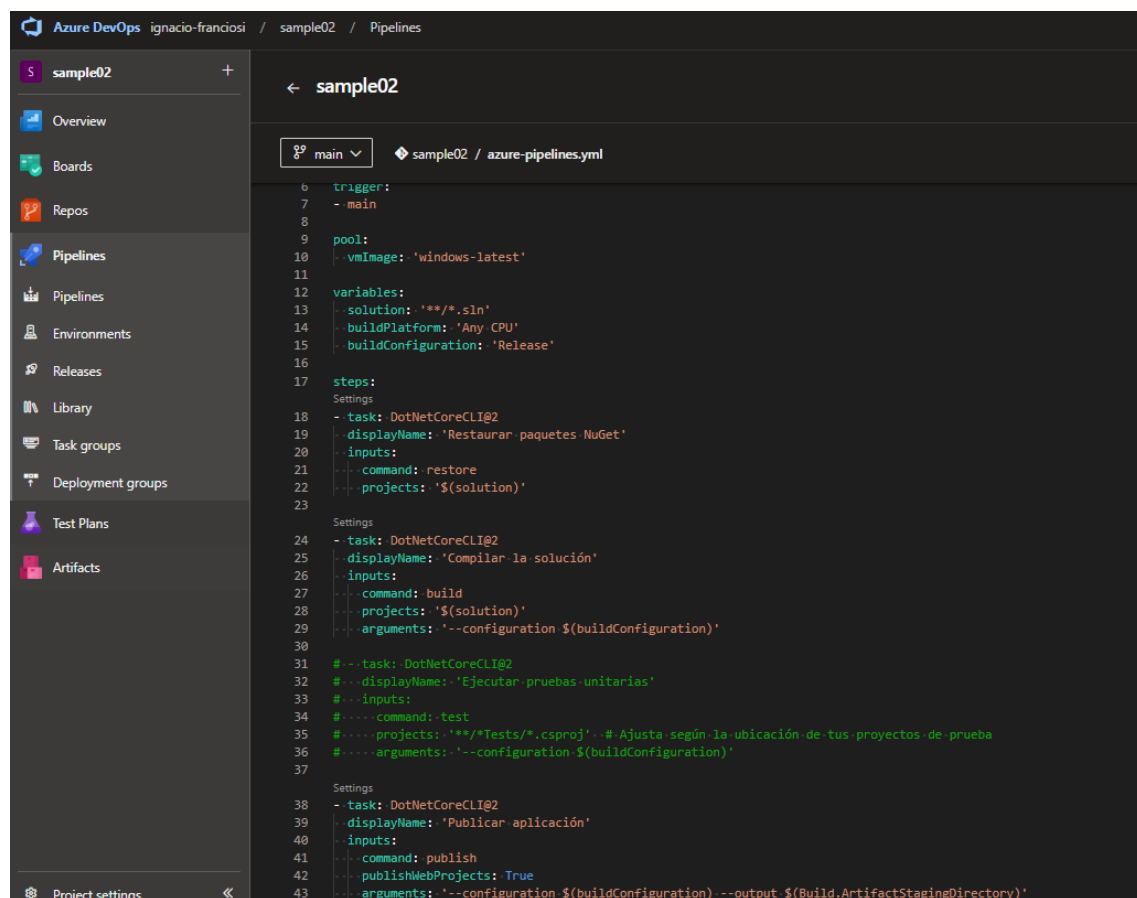
Follow our Quickstart guide to get a web app ready quickly.

4.3. Actualizar Pipeline de Build para que use tareas de DotNetCoreCLI@2 como en el pipeline clásico, luego crear un Pipeline de Release en Azure DevOps con CD habilitada



4.4. Optimizar Pipeline de Build

USAR YAML ENVIADO EL 3/9



4.5. Verificar el deploy en la url de la WebApp /weatherforecast

Release **Release-1** has been queued

Search all pipelines

release TP5

No deployments found

release TP5

Releases Deployments Analytics

Release-1

20240827.... 89 main

3/9/2024, 03:12:49

QA

release TP5 > Release-1 > QA In progress

Pipeline Tasks Variables Logs Tests

Deploy Cancel Refresh Download all logs Edit ...

Deployment process

In progress

Run on agent

In progress

Initialize job · succeeded 14s

Download artifact - _sample02-ASP.NET Core-CI - drop · succeeded 5s

Deploy Azure App Service 50s

Starting: Deploy Azure App Service

Task : Azure App Service deploy

Description : Deploy to Azure App Service a web, mobile, or API app using Docker, Java, .NET, .NET Core, Node.js, PHP, Python, or Ruby

Version : 4.243.7

Author : Microsoft Corporation

Help : https://aka.ms/azureappservicetroubleshooting

Got service connection details for Azure App Service: 'sample1tp5'

Trying to update App Service Application settings. Data: {"WEBSITE_RUN_FROM_PACKAGE":"1"}

Updated App Service Application settings and Kudu Application settings.

Updated App Service Application settings and Kudu Application settings.

Package deployment using ZIP Deploy initiated.

Successfully deployed web package to App Service.

4.6. Realizar un cambio al código del controlador para que devuelva 7 pronósticos, realizar commit, evaluar ejecución de pipelines de build y release, navegar a la url de la webapp/weatherforecast y corroborar cambio

Cambio de 5 a 3 para que me muestre 3 pronosticos

```
11 // "Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "Scorching"
12 "Helado", "Bracing", "Fresquito", "Fresco", "Mild", "Calido", "Balmy", "Caloron", "Sweltering", "Scorching"
13 };
14
15 private readonly ILogger<WeatherForecastController> _logger;
16
17 public WeatherForecastController(ILogger<WeatherForecastController> logger)
18 {
19     _logger = logger;
20 }
21
22 [HttpGet(Name = "GetWeatherForecast")]
23 public IEnumerable<WeatherForecast> Get()
24 {
25     return Enumerable.Range(1, 3).Select(index => new WeatherForecast
26     {
27         Date = DateOnly.FromDateTime(DateTime.Now.AddDays(index)),
28         TemperatureC = Random.Shared.Next(-20, 55),
29         Summary = Summaries[Random.Shared.Next(Summaries.Length)]
30     })
31     .ToArray();
32 }
33 }
34
```

Despues reinicio el pipeline y eso cuando termina hace otro release

Jobs in run #20240903.1
sample02

Jobs	Duration
Job	28s
Initialize job	18s
Checkout sample02@m...	5s
NuGetToolInstaller	1s
NuGetCommand	3s
VSBUILD	
VSTest	
DotNetCoreCLI	
PublishBuildArtifacts	
Post-job: Checkout sampl...	

NuGetCommand

```
1 Starting: NuGetCommand
2 =====
3 Task      : NuGet
4 Description : Restore, pack, or push NuGet packages, or run a NuGet command. Supports NuGet.org and authenticated
5 Version    : 2.238.1
6 Author     : Microsoft Corporation
7 Help       : https://docs.microsoft.com/azure/devops/pipelines/tasks/packages/nuget
8 =====
9 C:\Windows\system32\chcp.com 65001
10 Active code page: 65001
11 Detected NuGet version 6.11.0.119 / 6.11.0+324d7272b8526a3826ef1f12fa6fc3a362b5bb79.324d7272b8526a3826ef1f12fa6fc3
12 C:\hostedtoolcache\windows\NuGet\6.11.0\x64\nuget.exe sources Add -NonInteractive -Name NuGetOrg -Source https://a
```

ANTES:

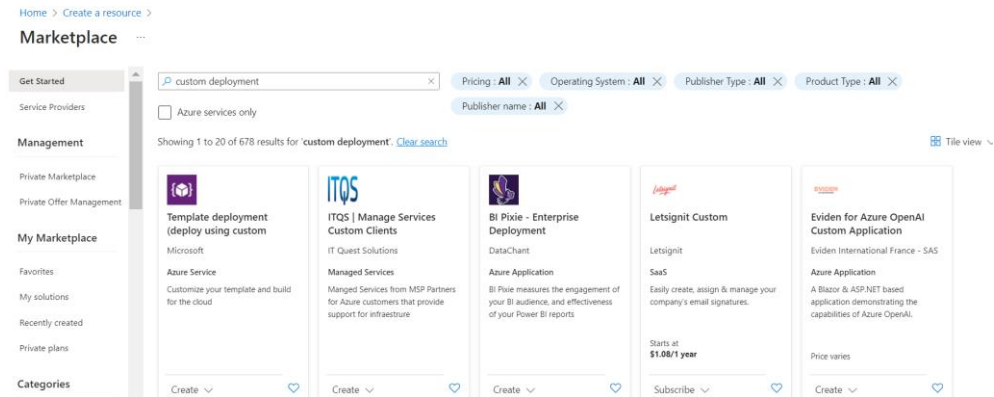
```
Impresión con formato estilístico ☒
[
  {
    "date": "2024-09-04",
    "temperatureC": 34,
    "temperatureF": 93,
    "summary": "Bracing"
  },
  {
    "date": "2024-09-05",
    "temperatureC": 22,
    "temperatureF": 71,
    "summary": "Scorching"
  },
  {
    "date": "2024-09-06",
    "temperatureC": -1,
    "temperatureF": 31,
    "summary": "Balmy"
  },
  {
    "date": "2024-09-07",
    "temperatureC": 53,
    "temperatureF": 127,
    "summary": "Scorching"
  },
  {
    "date": "2024-09-08",
    "temperatureC": 17,
    "temperatureF": 62,
    "summary": "Calido"
  }
]
```

DESPUES:

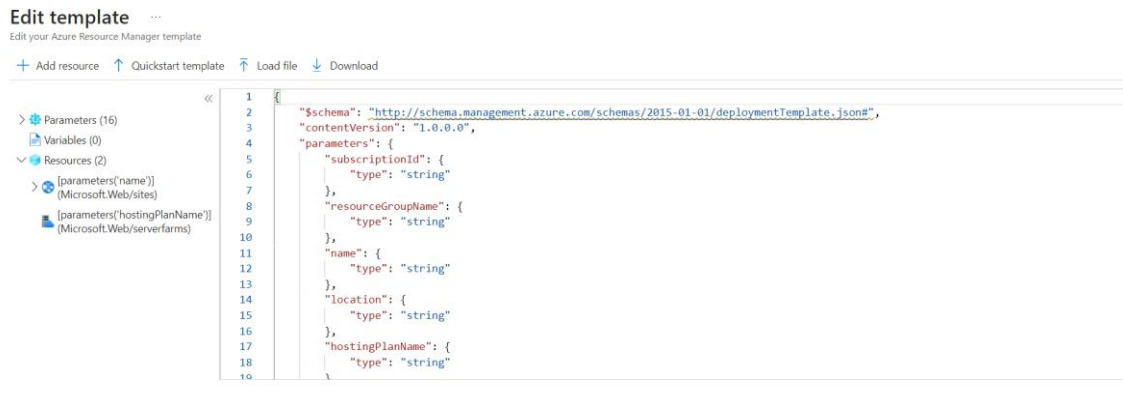
```
Impresión con formato estilístico ☒
[
  {
    "date": "2024-09-04",
    "temperatureC": 18,
    "temperatureF": 64,
    "summary": "Mild"
  },
  {
    "date": "2024-09-05",
    "temperatureC": -5,
    "temperatureF": 24,
    "summary": "Caloron"
  },
  {
    "date": "2024-09-06",
    "temperatureC": -14,
    "temperatureF": 7,
    "summary": "Fresquito"
  }
]
```

4.7. Clonar la Web App de QA para que contar con una WebApp de PROD a partir de un Template Deployment en Azure Portal y navegar a la url provista para la WebApp de PROD.

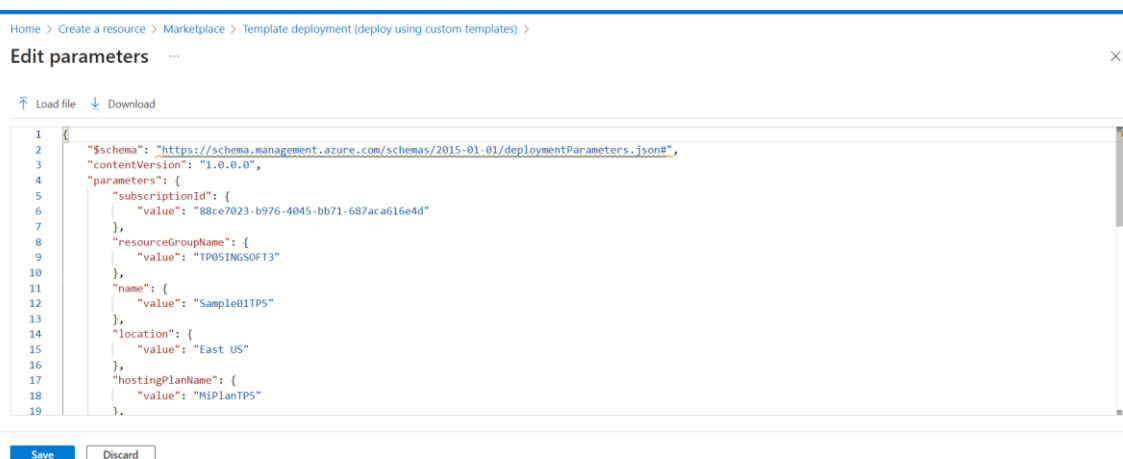
Me voy a crear recurso y elijo Template Deployment



Cargo el template.json




Cargo el parameters.json



Custom deployment ...

Deploy from a custom template

 New! Deployment Stacks let you manage the lifecycle of your deployments. Try it now →

Subscription *	<div><div></div>Azure subscription 1</div>
Resource group *	<div><div></div>Sample01TP5</div> <div>Create new</div>

Instance details

Region *	<div><div></div>(US) East US</div>
Subscription Id *	<div><div></div>88ce7023-b976-4045-bb71-687aca616e4d</div>
Resource Group Name *	<div><div></div>TP05INGSOFT3</div>
Name *	<div><div></div>Sample01TP5</div>
Location *	<div><div></div>East US</div>
Hosting Plan Name *	<div><div></div>MiPlanTP5</div>
Server Farm Resource Group *	<div><div></div>TP05INGSOFT3</div>
Always On *	<div><div></div>false</div>
Ftps State *	<div><div></div>FtpsOnly</div>

Previous

Next

Review + create

Custom deployment ...

Deploy from a custom template

Basics	
Subscription	Azure subscription 1
Resource group	Sample01TP5
Region	East US
Subscription Id	88ce7023-b976-4045-bb71-687aca616e4d
Resource Group Name	TP05INGSOFT3
Name	Sample01TP5-PROD
Location	brazilsouth
Hosting Plan Name	MiPlan-PROD
Server Farm Resource Group	Sample01TP5
Always On	false
Ftps State	FtpsOnly
Sku	Free
Sku Code	F1
Worker Size	0
Worker Size Id	0
Number Of Workers	1
Current Stack	dotnet
Php Version	OFF
Net Framework Version	v6.0

Home >

Microsoft.Template-20240914193624 | Overview

Deployment

Search x < Delete Cancel Redeploy Download Refresh

- Overview
- Inputs
- Outputs
- Template

✓ Your deployment is complete

Deployment name : Microsoft.Template-20240914193624
Subscription : [Azure subscription 1](#)
Resource group : [Sample01TP5](#)

Start time : 9/14/2024, 7:36:29 PM
Correlation ID : fcacf5f1-841d-4666-9051-b76095a7ad84

> Deployment details

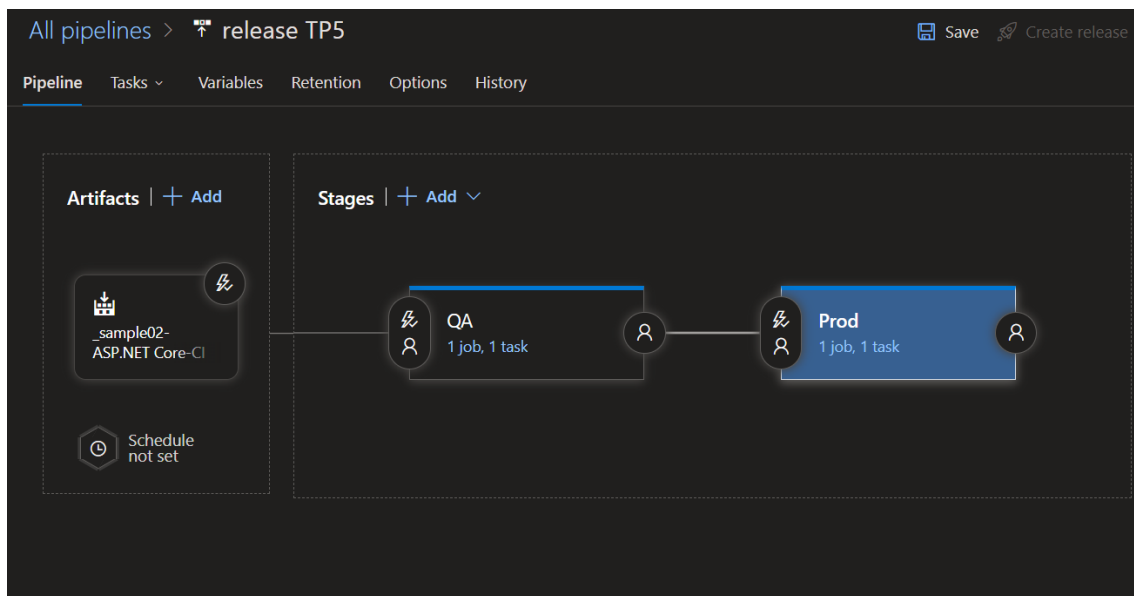
Next steps

[Go to resource group](#)

Give feedback

[Tell us about your experience with deployment](#)

4.8. Agregar una etapa de Deploy a Prod en Azure Release Pipelines



All pipelines > release TP5

Save Create release

Pipeline Tasks Variables Retention Options History

Prod
Deployment process

Run on agent
Run on agent

Deploy Azure App Service
Azure App Service deploy

Stage name
Prod

Parameters | Unlink all

Azure subscription * | Manage

Azure subscription 1 (88ce7023-b976-4045-bb71-687aca616e4d)

App type
Web App on Windows

App service name * | Manage

Sample01TP5-PROD

4.9. Realizar un cambio al código del controlador para que devuelva 10 pronósticos, realizar commit, evaluar ejecución de pipelines de build y release, navegar a la url de la webapp/weatherforecast y corroborar cambio, verificar que en la url de la webapp_prod/weatherforecast se muestra lo mismo.

main

/ SimpleWebAPI / Controllers / WeatherForecastController.cs

WeatherForecastController.cs

Commit

Revert

Contents

Highlight changes

```
12     "Heladoo", "Bracing", "Fresquito", "Fresco", "Mild", "Calido", "Balmy", "Caloron", "Sweltering", "Scorching"
13     };
14
15     private readonly ILogger<WeatherForecastController> _logger;
16
17     public WeatherForecastController(ILogger<WeatherForecastController> logger)
18     {
19         _logger = logger;
20     }
21
22     [HttpGet(Name = "GetWeatherForecast")]
23     public IEnumerable<WeatherForecast> Get()
24     {
25         return Enumerable.Range(1, 10).Select(index => new WeatherForecast
26         {
27             Date = DateOnly.FromDateTime(DateTime.Now.AddDays(index)),
28             TemperatureC = Random.Shared.Next(-20, 55),
29             Summary = Summaries[Random.Shared.Next(Summaries.Length)]
30         })
31         .ToArray();
32     }
33 }
```

Pipelines

New pipeline

Recent

All

Runs

Filter pipelines

Recently run pipelines

Pipeline	Last run
sample02-ASP.NET Core-CI	#20240914.2 • Updated WeatherForecastController.cs Individual CI for main 5m ago 2m 27s
sample02	#20240914.2 • Updated WeatherForecastController.cs Individual CI for main 5m ago 2m 30s

release TP5 > Release-7

Pipeline

Variables

History

Deploy

Cancel

Refresh

Edit

...

Release

Continuous deployment

for Ignacio Franciosi

14/9/2024, 8:06 p. m.

Artifacts

_sample02-ASP.N...

20240914.2

main

Stages

QA

Succeeded

on 14/9/2024, 8:07 p. m.

Prod

Succeeded

on 14/9/2024, 8:09 p. m.

```
sample01tp5-prod.azurewebsites.net/weatherforecast

Impresión con formato estilístico

{
  "date": "2024-09-15",
  "temperatureC": 35,
  "temperatureF": 94,
  "summary": "Mild"
},
{
  "date": "2024-09-16",
  "temperatureC": -4,
  "temperatureF": 25,
  "summary": "Calido"
},
{
  "date": "2024-09-17",
  "temperatureC": 30,
  "temperatureF": 85,
  "summary": "Calido"
},
{
  "date": "2024-09-18",
  "temperatureC": 45,
  "temperatureF": 112,
  "summary": "Fresquito"
},
{
  "date": "2024-09-19",
  "temperatureC": 26,
  "temperatureF": 78,
  "summary": "Balmly"
},
{
  "date": "2024-09-20",
  "temperatureC": 40,
  "temperatureF": 103,
  "summary": "Scorching"
},
{
  "date": "2024-09-21",
  "temperatureC": 4,
  "temperatureF": 39,
  "summary": "Fresquito"
},
{
  "date": "2024-09-22",
  "temperatureC": 18,
  "temperatureF": 49,
  "summary": "Mild"
},
{
  "date": "2024-09-23",
  "temperatureC": -6,
  "temperatureF": 22,
  "summary": "Mild"
},
{
  "date": "2024-09-24",
  "temperatureC": -1,
  "temperatureF": 31,
  "summary": "Sweltering"
}
}
```

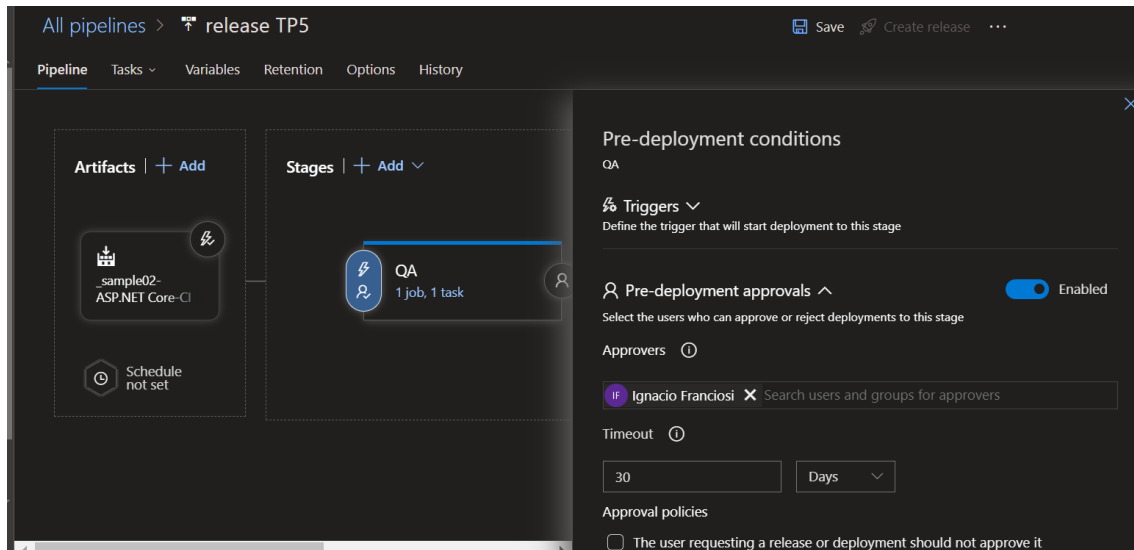
```
sample1tp5.azurewebsites.net/weatherforecast

Impresión con formato estilístico

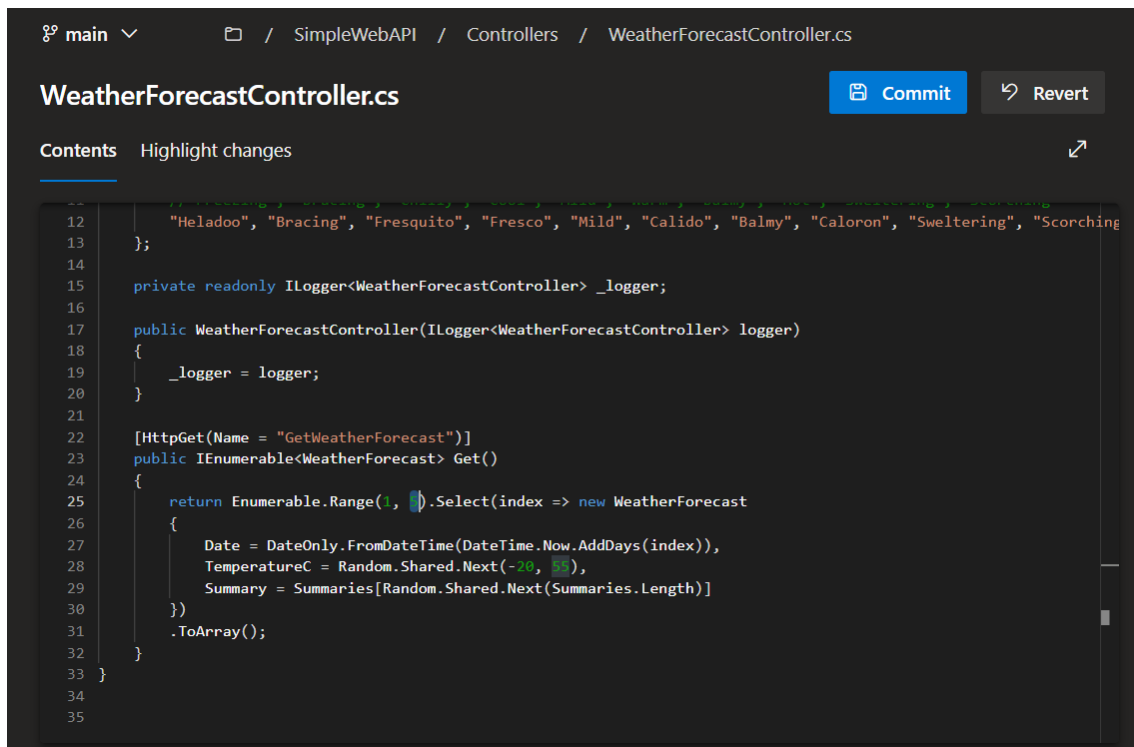
{
  "date": "2024-09-15",
  "temperatureC": -20,
  "temperatureF": -3,
  "summary": "Mild"
},
{
  "date": "2024-09-16",
  "temperatureC": 37,
  "temperatureF": 98,
  "summary": "Sweltering"
},
{
  "date": "2024-09-17",
  "temperatureC": 38,
  "temperatureF": 100,
  "summary": "Calido"
},
{
  "date": "2024-09-18",
  "temperatureC": -18,
  "temperatureF": 15,
  "summary": "Caloron"
},
{
  "date": "2024-09-19",
  "temperatureC": 2,
  "temperatureF": 35,
  "summary": "Fresquito"
},
{
  "date": "2024-09-20",
  "temperatureC": 37,
  "temperatureF": 98,
  "summary": "Scorching"
},
{
  "date": "2024-09-21",
  "temperatureC": 20,
  "temperatureF": 67,
  "summary": "Bracing"
},
{
  "date": "2024-09-22",
  "temperatureC": -12,
  "temperatureF": 2,
  "summary": "Heladoo"
},
{
  "date": "2024-09-23",
  "temperatureC": 42,
  "temperatureF": 107,
  "summary": "Calido"
},
{
  "date": "2024-09-24",
  "temperatureC": -9,
  "temperatureF": 16,
  "summary": "Calido"
}
}
```

4.10. Modificar pipeline de release para colocar una aprobación manual para el paso a Producción.

Toco el icono de usuario en QA, voy a pre deployment y configuro con mi usuario para ser un aprobador



4.11. Realizar un cambio al código del controlador para que devuelva 5 pronósticos, realizar commit, evaluar ejecución de pipelines de build y release, navegar a la url de la webapp/weatherforecast y corroborar cambio, verificar que en la url de la webapp_prod/weatherforecast aun se muestra la versión anterior.



UCC Virtual WhatsApp YouTube Autogestión · UCC GitHub Gmail PHP Drive

Impresión con formato estilístico

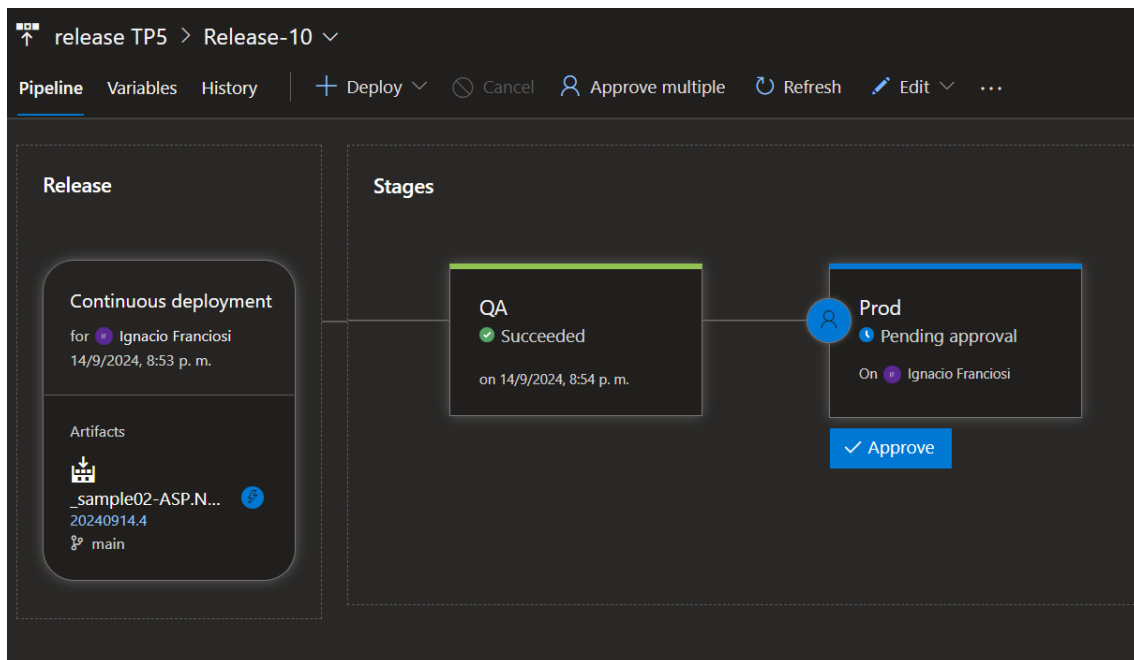
```
[
  {
    "date": "2024-09-15",
    "temperatureC": 21,
    "temperatureF": 69,
    "summary": "Sweltering"
  },
  {
    "date": "2024-09-16",
    "temperatureC": 8,
    "temperatureF": 46,
    "summary": "Caloron"
  },
  {
    "date": "2024-09-17",
    "temperatureC": -18,
    "temperatureF": 0,
    "summary": "Bracing"
  },
  {
    "date": "2024-09-18",
    "temperatureC": 0,
    "temperatureF": 32,
    "summary": "Sweltering"
  },
  {
    "date": "2024-09-19",
    "temperatureC": 24,
    "temperatureF": 75,
    "summary": "Mild"
  }
]
```

UCC Virtual WhatsApp YouTube Autogestión · UCC GitHub Gmail PHP Drive Discord

Impresión con formato estilístico

```
{
  "date": "2024-09-15",
  "temperatureC": 46,
  "temperatureF": 114,
  "summary": "Mild"
},
{
  "date": "2024-09-16",
  "temperatureC": 38,
  "temperatureF": 85,
  "summary": "Caloron"
},
{
  "date": "2024-09-17",
  "temperatureC": 44,
  "temperatureF": 111,
  "summary": "Balmy"
},
{
  "date": "2024-09-18",
  "temperatureC": 3,
  "temperatureF": 37,
  "summary": "Mild"
},
{
  "date": "2024-09-19",
  "temperatureC": 35,
  "temperatureF": 94,
  "summary": "Fresquito"
},
{
  "date": "2024-09-20",
  "temperatureC": 23,
  "temperatureF": 73,
  "summary": "Calido"
},
{
  "date": "2024-09-21",
  "temperatureC": 44,
  "temperatureF": 111,
  "summary": "Sweltering"
},
{
  "date": "2024-09-22",
  "temperatureC": 14,
  "temperatureF": 57,
  "summary": "Heladoo"
},
{
  "date": "2024-09-23",
  "temperatureC": -3,
  "temperatureF": 27,
  "summary": "Fresquito"
},
{
  "date": "2024-09-24",
  "temperatureC": -10,
  "temperatureF": 15,
  "summary": "Calido"
}
```

4.12. Aprobar el pase ya sea desde el release o desde el mail recibido.



Prod
Pre-deployment conditions - Pending approval

Approvers | View logs

Approval pending
Waiting for all approvers to approve in sequence . Timeout in 30d

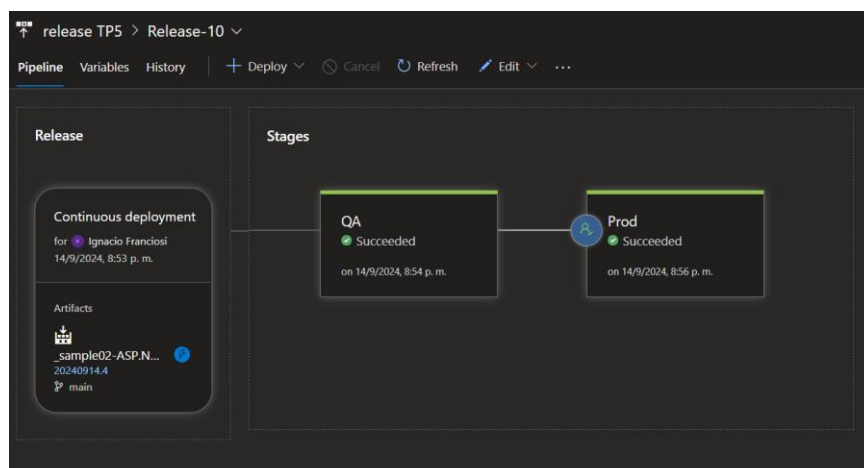
If Ignacio Franciosi
Pending Reassign

Comment
I approve

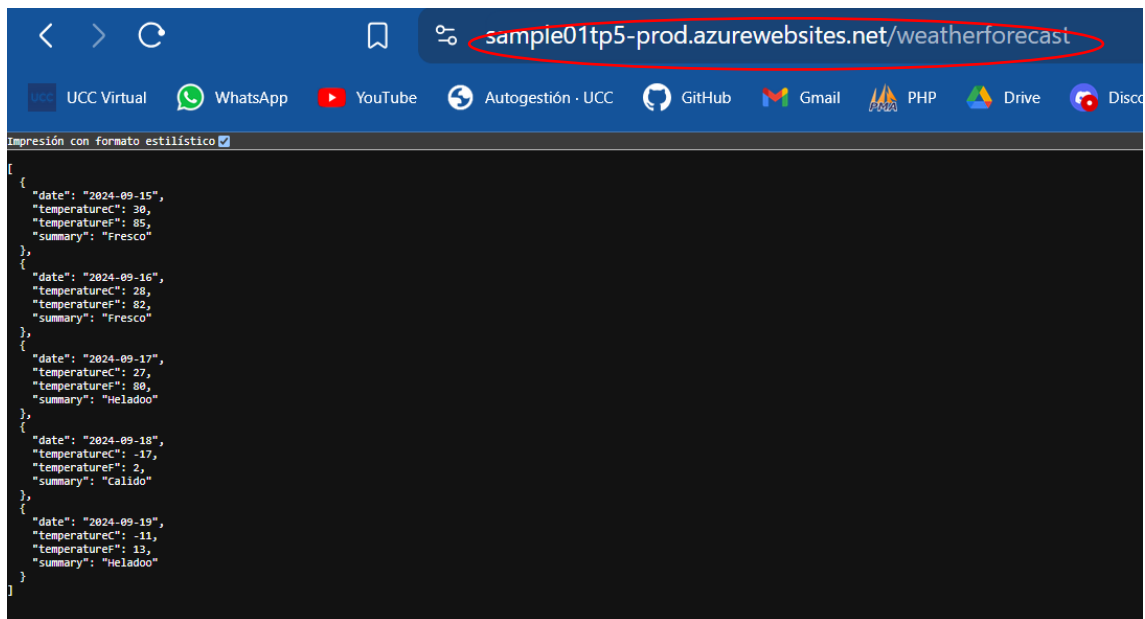
☐ Defer deployment for later

Approve Reject

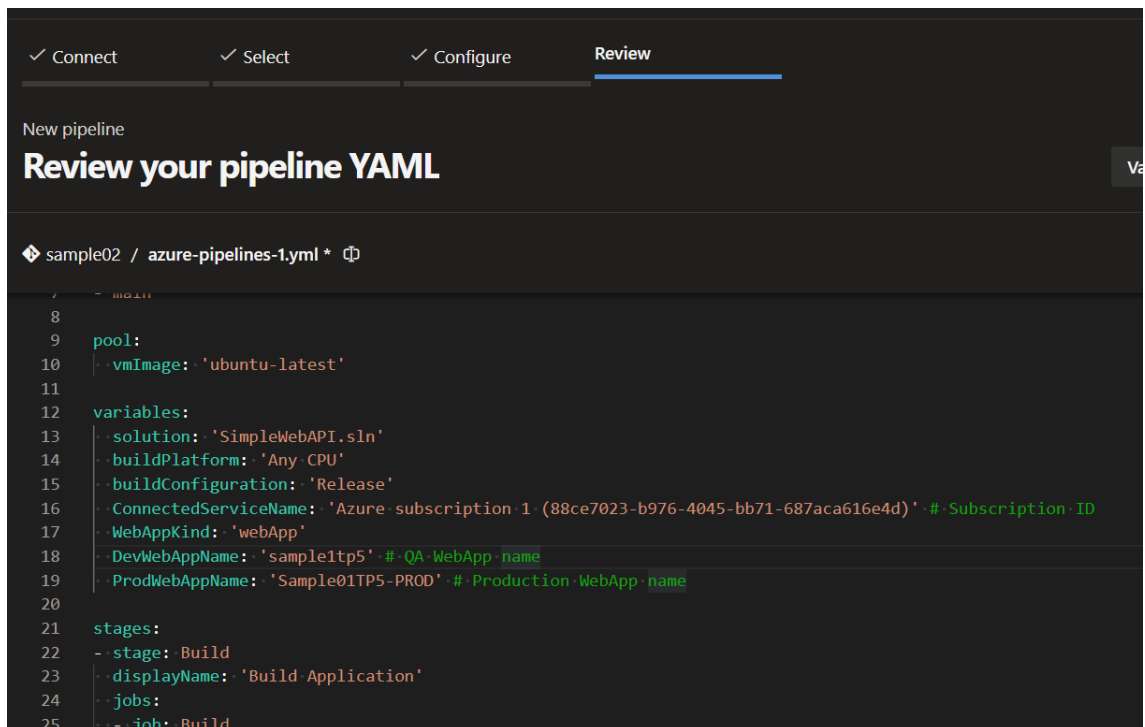
4.13. Esperar a la finalización de la etapa de Pase a Prod y luego corroborar que en la url de la webapp_prod/weatherforecast se muestra la nueva versión coincidente con la de QA.



Muestra 5 pronosticos



4.14. Realizar un pipeline (no release) que incluya el deploy a QA y a PROD con una aprobación manual. El pipeline debe estar construido en YAML sin utilizar el editor clásico de pipelines ni el editor clásico de pipelines de release.



...

#20240915.1 • Set up CI with Azure Pipelines

sample02 (6)

Cancel

Summary

Code Coverage

Triggered by Ignacio Franciosi

View 42 changes

Repository and version

Time started and elapsed

Related

Tests and coverage

sample02

Just now

0 work items

Get started

main 8c9bfd32

1m 29s

1 published

This pipeline needs permission to access a resource before this run can continue to Deploy to QA

View

Stages

Jobs

Build Application

1 job completed 47s

1 artifact

Deploy to QA

Waiting

Permission needed

Deploy to Production

Not started

Le doy a permitir:

Checks and manual validations for Deploy to QA

×

Per... Service ... Azure subscription 1 (88ce7023-...

Permission needed

Permit

Checks and manual validations for Deploy to Production

×

Permission Environment Production

Permission needed

Permit

#20240915.1 • Set up CI with Azure Pipelines

sample02 (6)

This run is being retained as one of 3 recent runs by main (Branch).

View

Summary

Environments

Associated pipelines

Code Coverage

Triggered by

Ignacio Franciosi

Repository and version

sample02

main 8c9bfd32

Time started and elapsed

Today at 9:10 p. m.

5m 15s

Related

0 work items

1 published

Tests and coverage

Get started

Stages

Jobs

Build Application

1 job completed

47s

1 artifact

Deploy to QA

1 job completed

43s

Deploy to Production

1 job completed

59s