

Prueba DevOps Tienda Pago

ING. KEVIN FALCONES – SENIOR DEVOPS

Contenido y Enlaces:

- Repositorio Git (https://github.com/KevinFalcones/apiweb_net)
- Flujo de Trabajo Realizado
- Pruebas Unitarias
- Integración Continua (https://dev.azure.com/johnnykevinfalcones/DevOps/_build)
- Despliegue Continuo (https://dev.azure.com/johnnykevinfalcones/DevOps/_release)
- Azure App Services (<https://interviewdevopsqas.azurewebsites.net/>,
<https://interviewdevopsdev.azurewebsites.net/>)
- Automatización de Base de Datos SQL
(<https://portal.azure.com/#@www.comunidadunir.net/resource/subscriptions/cffc6f6e-9f87-4529-9621-0b655e3d41b1/resourceGroups/kevinAzureResourceGrp/providers/Microsoft.Sql/servers/kevinazuredbserver/databases/kevinAzureDbSql/queryEditor>)

Repositorio Git

https://github.com/KevinFalcones/apiweb_net

Experiencia como Release Manager en el Banco de Pacífico administrando y capacitando en herramientas como:

- Git
- GitHub
- Bitbucket
- Team Foundation Version Control
- Azure Repo

Proyecto de migración de Fuentes DevOps



Flujo De Trabajo Realizado



- Para el repositorio se propone GitFlow; pasando en orden de rama.
- La Integración Dispara por commit o pullRequest y publica según lo indicado.
- El CD dispara según CI exitoso y su rama, desplegando según ambiente.

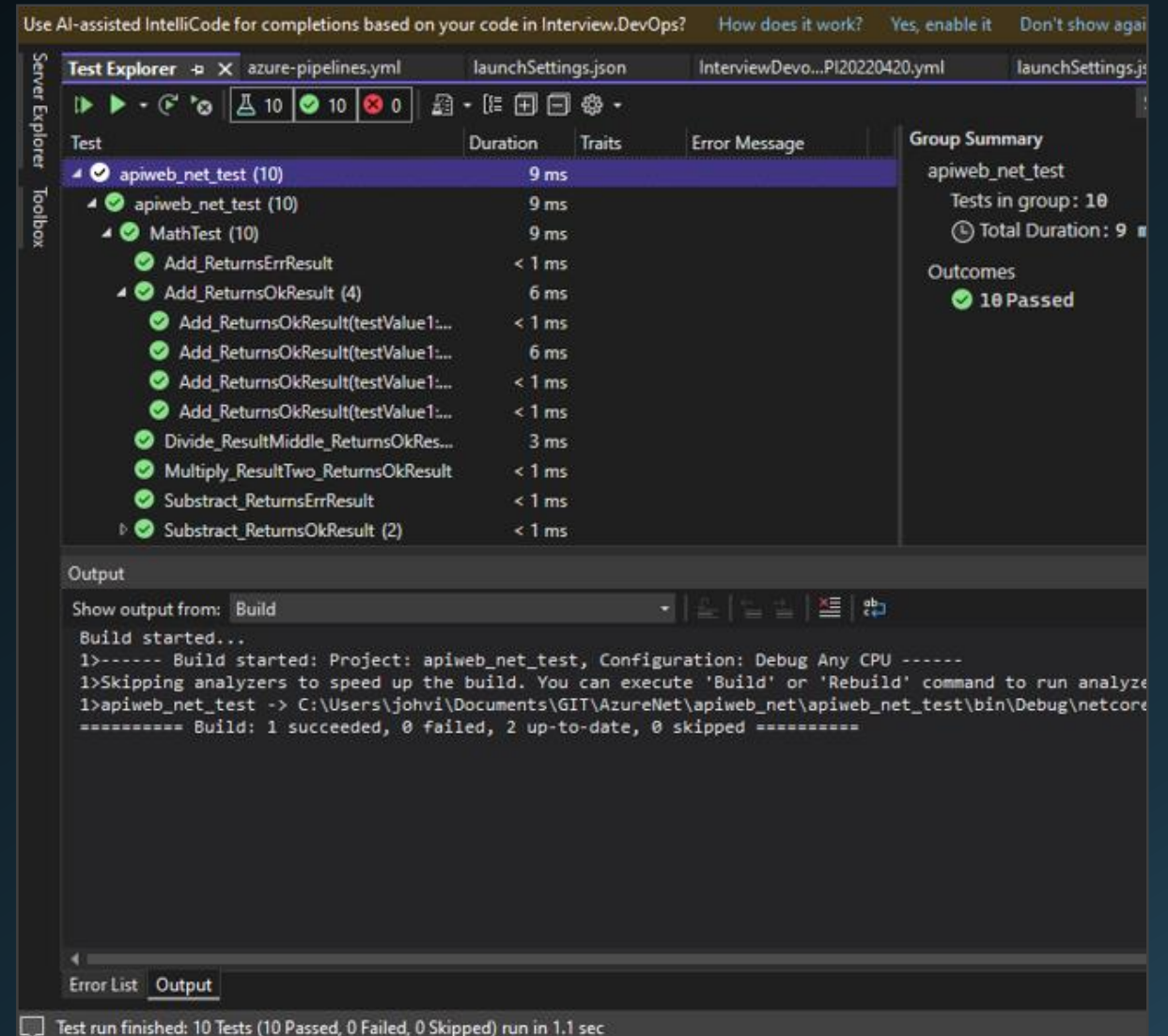
Pruebas Unitarias

Framework usado: XUnit

Experiencia como Testing Automation Senior desarrollando e integrando pruebas con:

- Selenium, Appium
- Load Test con Jmeter, SoapUI
- SonarQube, Veracode
- Junit, Nunit, XUnit
- Azure TestPlans y Ansible

Curso de Estandar Mundial QA ISTQB



Integración Continua

Un Pipeline por entorno que incluyen: Disparadores y Considera Entorno en AppSettings

Experiencia de CI DevOps en Banca con herramientas como:

- Jenkins, AzureDevops
- Maven, Nuget
- Artifacts, Nexus
- Oracle, SQL y client

Certificación Internacional en DevOps Foundations.

The screenshot shows the Azure DevOps Pipelines interface for a pipeline named "AspNetCore-WebApp-DEV-CI". At the top, there is a navigation bar with the path "johnnykevinfalcones / DevOps / Pipelines" and a search bar. Below the navigation bar, a message states: "Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and TLS 1.1. This change is permanent for communication with Azure DevOps, please take necessary actions to enable TLS1.2, as detailed in the blog." The pipeline name "AspNetCore-WebApp-DEV-CI" is displayed below the message. The main area shows the pipeline configuration with tabs for "Tasks", "Variables", "Triggers", "Options", and "History". The "Tasks" tab is active, showing a list of tasks for "Agent job 1". The tasks are: "Replace tokens in **/API/appsettings.json" (Replace Tokens), "Restore" (.NET Core), "Build" (.NET Core), "Test" (.NET Core), "Use .NET Core sdk version" (Use .NET Core), "Publish" (.NET Core), and "Publish Artifact" (Publish build artifacts). On the right side, there is a sidebar with sections: "Agent pool" (Pool information), "Agent Specification" (windows-2019), "Parameters" (Unlink), "Project(s) to restore and build" (**/*.csproj), and "Project(s) to test" (**/*[Tt]ests/*.csproj).

Integración Continua - Éxito



johnnykevinfalcones / DevOps / Pipelines

ⓘ Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and TLS 1.1 for communication with Azure DevOps, please take necessary actions to enable TLS1.2, a

Pipelines



Recent All Runs

Recently run pipelines

Pipeline	Last run
✓ AspNetCore-WebApp-DEV-CI	#20220425.2 • Merge pull request #4 from Individual CI for  deploy_az
✓ AspNetCore-WebApp-QAS-CI	#20220425.5 • var qas Manually triggered for  test

← AspNetCore-WebApp-DEV-CI

Runs Branches Analytics

Description	Stages
#20220425.2 Merge pull request #4 from KevinFalcones/test Individual CI for  deploy_az 3c418459	✓
#20220425.1 Test PR automated for  4 e8271fb2	✓

ⓘ Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and 1.0/1.1 for communication with Azure DevOps, please take necessary actions to enable T

← Jobs in run #20220425.2

Jobs	
✓ Agent job 1	1m 57s
Initialize job	7s
✓ Checkout KevinFalco...	6s
✓ Replace tokens in **/...	3s
✓ Restore	44s
✓ Build	16s
✓ Test	1s
✓ Use .NET Core sdk ...	16s
✓ Publish	14s
✓ Publish Artifact	5s
✓ Post-job: Checkout ...	<1s

✓ Agent job 1

- 1 Pool: [Azure Pipelines](#)
- 2 Image: windows-2019
- 3 Agent: Hosted Agent
- 4 Started: Today at 12:58 AM
- 5 Duration: 1m 57s
- 6
- 7 ▶ Job preparation parameters
- 8 📦 1 artifact produced

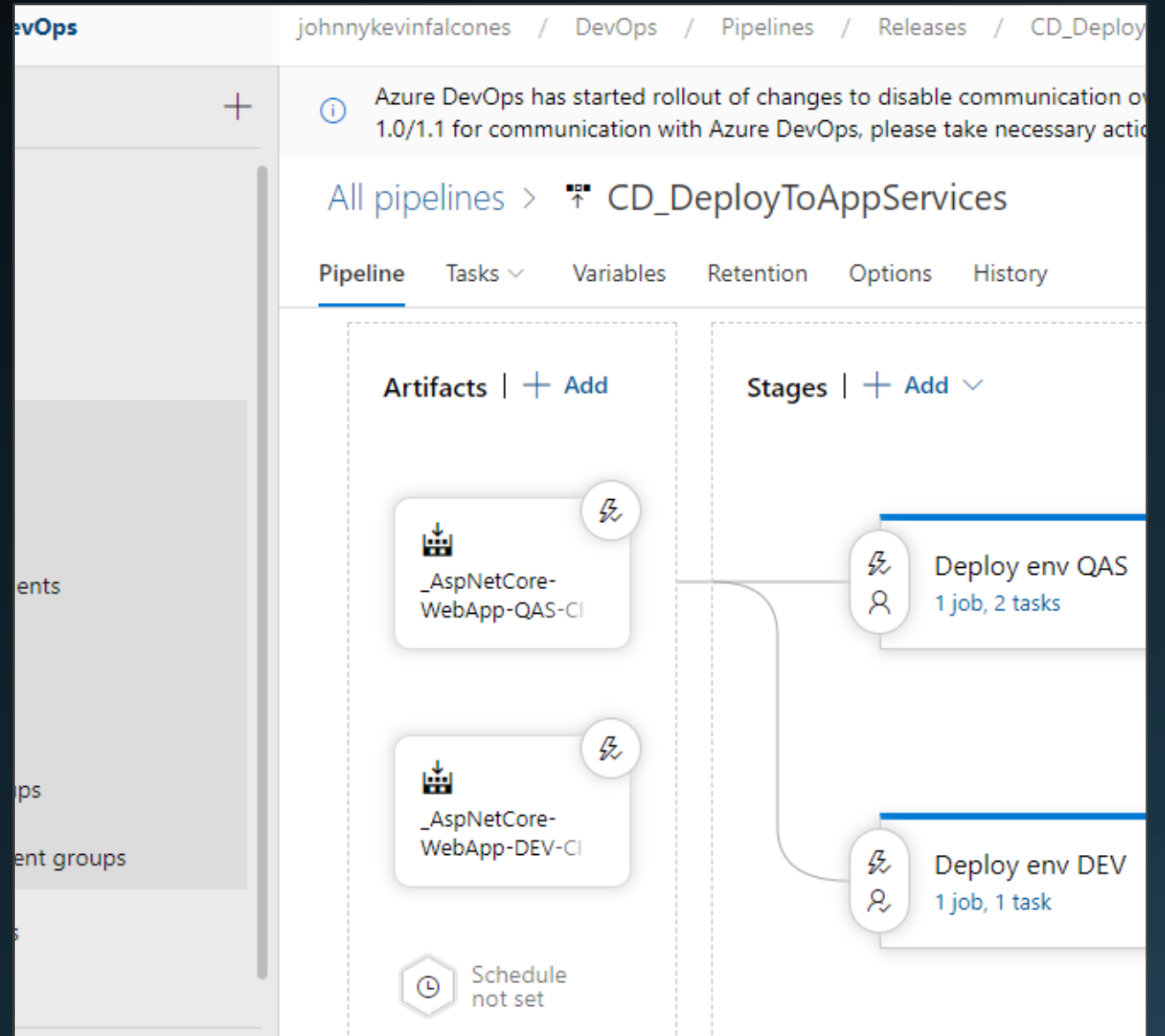
Despliegue Continuo

Solo un Pipeline con Disparador que identifica Entorno a desplegar, incluye aprobaciones.

Experiencia de CD DevOps en Banca con herramientas como:

- Docker, Kubernetes
- Ansible, Terraform
- AWS, OpenShift, Oracle Cloud
- Oracle Soa Suite y SQL

Certificación Internacional como DevOps Build.



Despliegue Continuo - Éxito

All pipelines > CD_DeployToAppServices

Pipeline Tasks Variables Retention Options History

Deploy env QAS
Deployment process

Run on agent
Run on agent

Deploy Azure App Service - QAS - Project API
Azure App Service deploy

Deploy Azure App Service - QAS - Project Web
Azure App Service deploy

CD_DeployToAppServices > Release-12 > Deploy env DEV ✓ Succeeded

Pipeline Tasks Variables Logs Tests | Deploy Cancel Refresh Download all logs Edit

Deployment process
Succeeded

Pre-deployment gates
Succeeded

Run on agent
Succeeded

Run on agent
Pool: Azure Pipelines · Agent: Hosted Agent

- Initialize job · succeeded
- Download artifact - _AspNetCore-WebApp-DEV-CI - DEV · succeeded
- Deploy Azure App Service - DEV - Project API · succeeded
- Finalize Job · succeeded

Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and 1.0/1.1 for communication with Azure DevOps, please take necessary actions to enable T

CD_DeployToAppServices > Release-12

Pipeline Variables History | + Deploy Cancel Refresh Edit

Release

Manually triggered
by Johnny Kevin Falcon...
4/25/2022, 1:12 AM

Artifacts

_AspNetCore-WebApp-...
20220425.5
test

_AspNetCore-WebApp-...
20220425.2
deploy-az

Stages

Deploy env QAS
✓ Succeeded
on 4/25/2022, 1:19 AM

Deploy env DEV
✓ Succeeded
on 4/25/2022, 1:18 AM

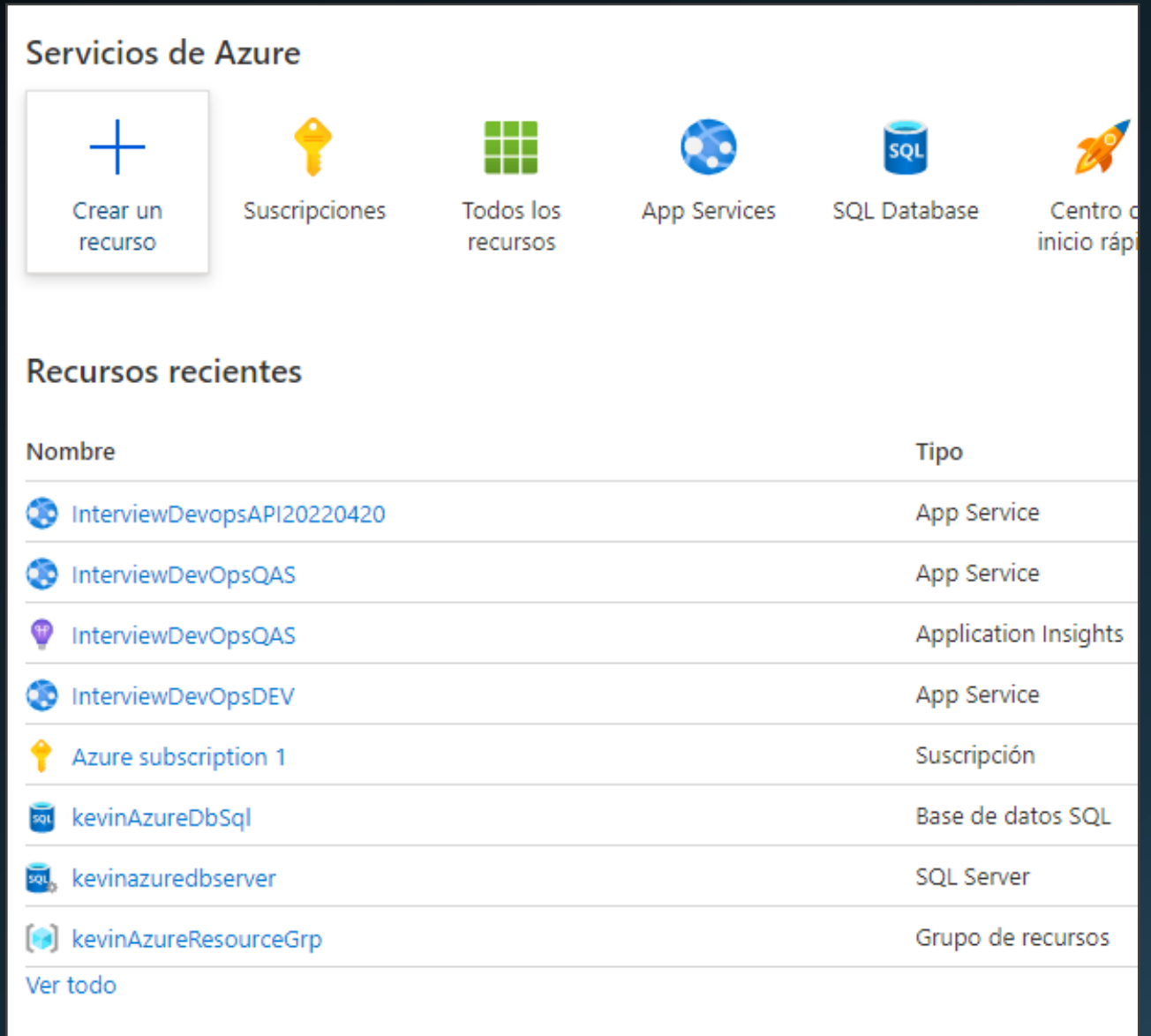
Azure App Service

Se creó un AppServer por cada ambiente.









Experiencia de OPS como Administrador de Middleware con herramientas como:

- SO Linux
- WebLogic y IIS
- OracleDB, MSSQL, Redis
- Monitoreo

Manejo de incidentes en producción



The screenshot shows the Azure portal interface. At the top, under 'Servicios de Azure', there are icons for 'Crear un recurso' (highlighted with a blue border), 'Suscripciones', 'Todos los recursos', 'App Services', 'SQL Database', and 'Centro de inicio rápido'. Below this is the 'Recursos recientes' section, which contains a table of recently created resources.

Nombre	Tipo
 InterviewDevopsAPI20220420	App Service
 InterviewDevOpsQAS	App Service
 InterviewDevOpsQAS	Application Insights
 InterviewDevOpsDEV	App Service
 Azure subscription 1	Suscripción
 kevinAzureDbSql	Base de datos SQL
 kevinazuredbserver	SQL Server
 kevinAzureResourceGrp	Grupo de recursos

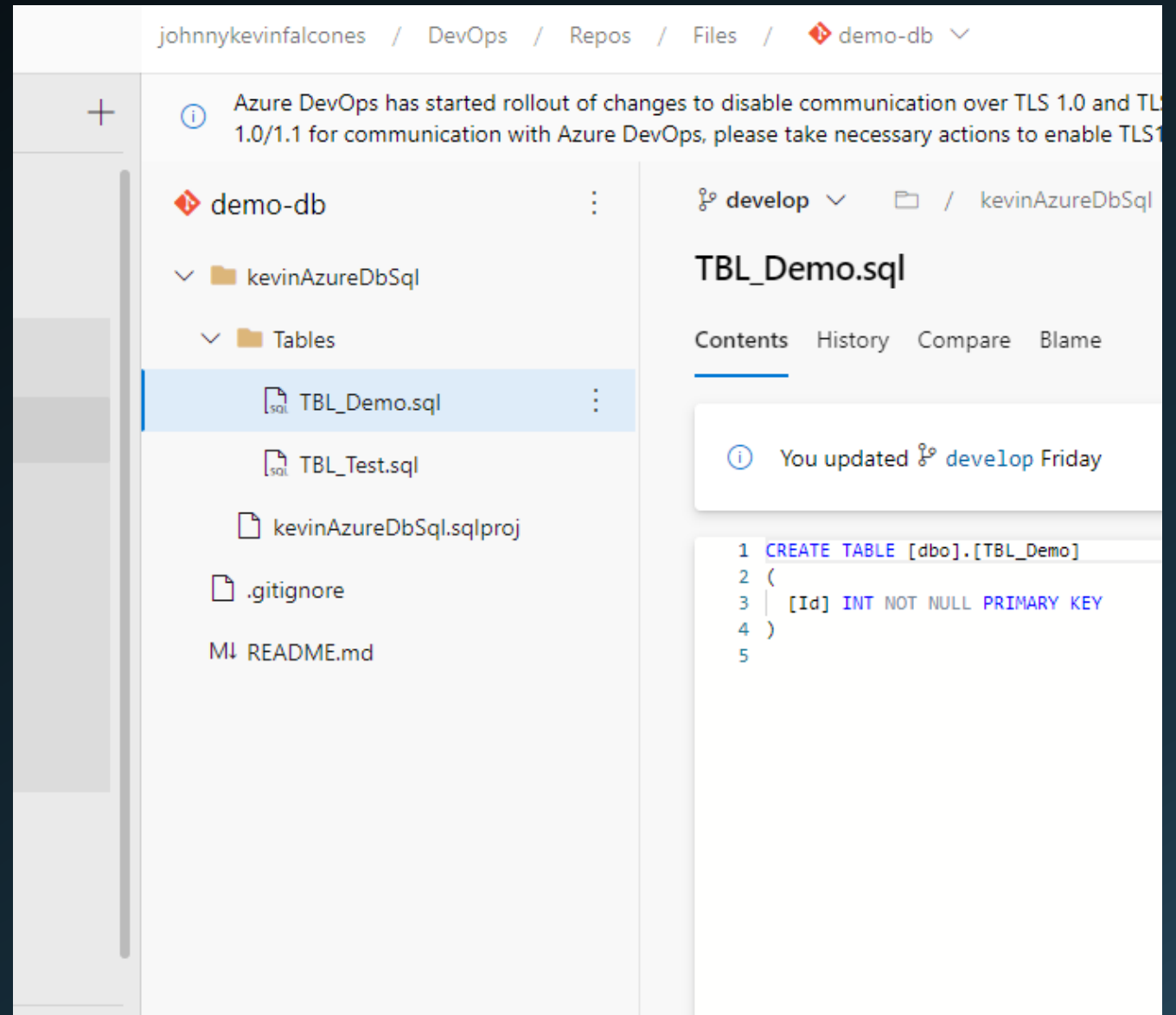
Ver todo

Automatizacion de Esquema DB

Para esta tarea se realizaron las siguientes actividades con sus herramientas:

- Se creó Proyecto SQL con IDE
- Se creó Repositorio en Azure Repo
- Se creó Base de Datos SQL en Azure
- Pipeline CI que publica el .dacpac
- Pipeline CD con Tarea de Azure SQL y clave de Base encriptada

Publicación Exitosa de Esquema de Base de Datos Automatizado



Automatizacion de Esquema DB - Éxito

johnnykevinfalcones / DevOps / Pipelines / demo-db-CI / 44

ⓘ Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and 1.0/1.1 for communication with Azure DevOps, please take necessary actions to enable TLS 1.2

← Jobs in run #44

demo-db-CI

Jobs	
✓ Agent job 1	29s
✓ Initialize job	2s
✓ Checkout demo-db@d...	4s
✓ Build solution kevinAz...	16s
✓ Publish Artifact: demo-...	6s
✓ Post-job: Checkout de...	<1s
✓ Finalize Job	<1s
✓ Report build status	<1s

✓ Agent job 1

- 1 Pool: [Azure Pipelines](#)
- 2 Image: windows-2019
- 3 Agent: Hosted Agent
- 4 Started: Fri at 1:07 PM
- 5 Duration: 29s
- 6
- 7 ▶ Job preparation parameters
- 8 ▶ `fx` 1 queue time variable used
- 9 📦 1 artifact produced

johnnykevinfalcones / DevOps / Pipelines / Releases / demo-db-CD / Release-4

ⓘ Azure DevOps has started rollout of changes to disable communication over TLS 1.0 and 1.0/1.1 for communication with Azure DevOps, please take necessary actions to enable TLS 1.2

demo-db-CD > Release-4

Pipeline Variables History | + Deploy ▾ ⏹ Cancel ↻ Refresh ✎ Edit ▾

Release

Manually triggered

by Johnny Kevin Falcones
4/22/2022, 1:11 PM

Artifacts

📦
_demo-db-CI
44
🔗 develop

Stages

dev
✓ Succeeded
on 4/22/2022, 1:14 PM

Publicación de Esquema DB - Éxito

Inicio > kevinazuredbserver > kevinAzureDbSql (kevinazuredbserver/kevinAzureDbSql)

kevinAzureDbSql (kevinazuredbserver/kevinAzureDbSql) | Editor de consultas (versión preliminar)
Base de datos SQL

Buscar (Ctrl+/) << Inicio de sesión + Nueva consulta ↑ Abrir consulta Comentarios

Información general
Registro de actividad
Etiquetas
Diagnosticar y solucionar problemas
Inicio rápido
Editor de consultas (versión preliminar)

Power Platform
Power BI
Power Apps
Power Automate

Configuración
Proceso y almacenamiento
Cadenas de conexión

kevinAzureDbSql (azdbadmin)

Aquí se muestra el Explorador de objetos limitado. Abra SSDT para acceder a las capacidades completas.

Tablas
dbo.TBL_Demo
dbo.TBL_Test

Vistas
sys.database_firewall_rules
sys.ipv6_database_firewall_rules

Procedimientos almacenados

Consulta 1 ✕

Ejecutar ☐ Cancelar consulta Guardar consulta Exportar datos como

1 `select * from [dbo].[TBL_Demo]`

Resultados **Mensajes**

Consulta realizada correctamente: Affected rows: 0

✓ Consulta realizada correctamente | 3s

Agradezco de antemano, ha sido una prueba interesante donde he podido demostrar mis conocimientos, experiencia y esfuerzo.

EN EL REPOSITORIO HAY UNA CARPETA
“EVIDENCIAS” DONDE HAY MÁS
CAPTURAS