

UNIVERSIDAD PRIVADA DE TACNA



INGENIERIA DE SISTEMAS

**TITULO:**

**Informe de Laboratorio 01**

**CURSO:**

Calidad y Pruebas de Software

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# Índice

1. Paso 1:Descargar SonarQube	1
2. Paso 2: Ejecutar una instancia de SonarQube	1
3. Paso 3: Ingresar al portal con las credenciales	1
4. Paso 4: Crear una nueva aplicación con el nombre aplicacionNetCore	2
5. Paso 5: Generar el token de la nueva aplicación aplicacionNetCore, debera devolver algo similar a 8a15d2a89c8636f15eb32ebee0993b8d16bff94e	3
6. Decargar Net Core e instalar	4
7. En un terminal ejecutar e instalar sonar-scanner	4
8. En un terminal, acceder a una ruta donde creara una nueva aplicacion	5
9. En el mismo terminal, iniciar la sesión de revisión de sonarqube	5
10. Compilar la aplicación	6
11. Cerramos la sesión	6

## 1. Paso 1: Descargar SonarQube

`docker pull sonarqube`

- En mi caso ya se descargo el Sonarqube

 Seleccionar Administrador: Windows PowerShell

```
Windows PowerShell
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Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\WINDOWS\system32> docker pull sonarqube
Using default tag: latest
latest: Pulling from library/sonarqube
Digest: sha256:f104e353d89542b69cf1e8d7ff7ccf93ed785397d3cee3168e66997f07bd869e
Status: Image is up to date for sonarqube:latest
docker.io/library/sonarqube:latest
PS C:\WINDOWS\system32>
```

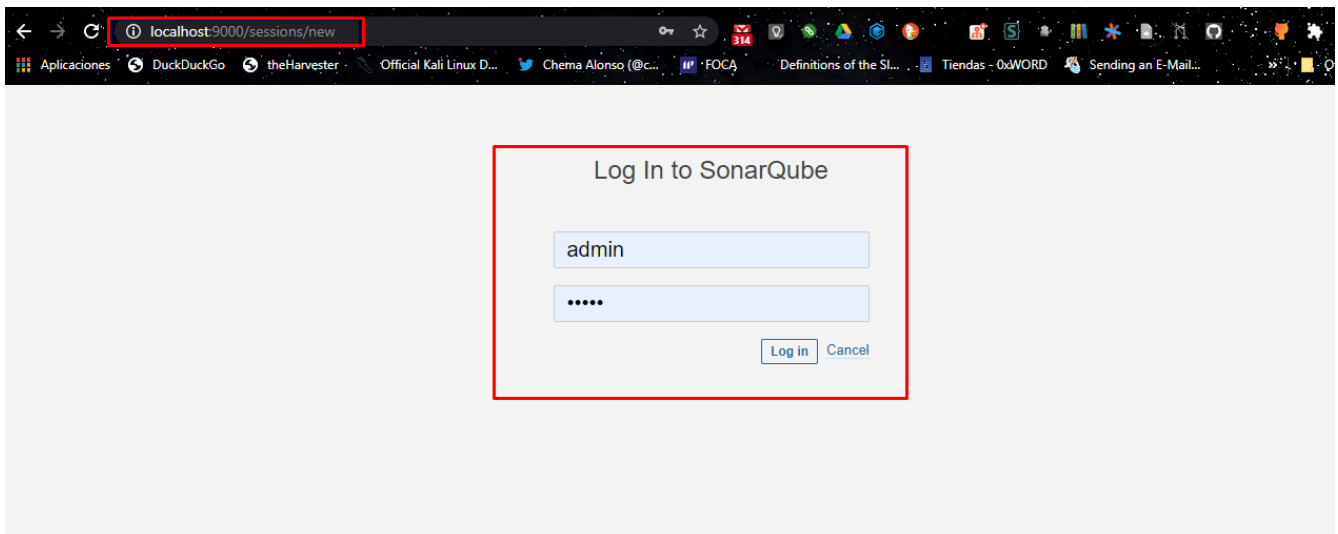
## 2. Paso 2: Ejecutar una instancia de SonarQube

- `docker run -d --name sonarqube -p 9000:9000 sonarqube`

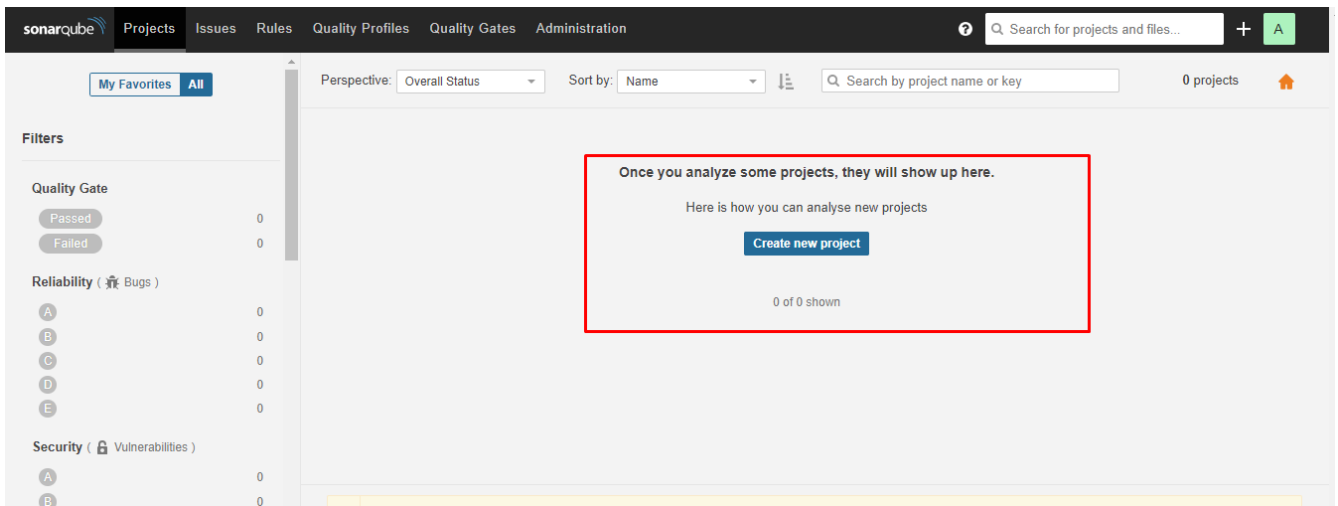
```
PS C:\WINDOWS\system32> docker run -d --name sonarqube -p 9000:9000 sonarqube
50adcc898f15e5c32343117f1fddefcd8c09916d1e4d345444d9d6d6f46583da
PS C:\WINDOWS\system32>
```

## 3. Paso 3: Ingresar al portal con las credenciales


- `http://localhost:9000/`
- `192.168.99.100:9000`
- user: admin
- pass: admin



#### 4. Paso 4: Crear una nueva aplicación con el nombre aplicacionNetCore





5. Paso 5: Generar el token de la nueva aplicación aplicacionNetCore, debera devolver algo similar a 8a15d2a89c8636f15

 Projects Issues Rules Quality Profiles Qu


## Create manually


---

**Project key\*** 




Up to 400 characters. All letters, digits, dash, underscore, period or colon.





**Display name\*** 



Up to 255 characters

Set Up

 Projects Issues Rules Quality Profiles Quality Gates Administration

 aplicacionNetCore   master 

Overview Issues Security Hotspots Measures Code Activity

Analyze your project

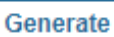
We initialized your project on SonarQube, now it's up to you to launch analyses!

1

Provide a token

Generate a token

3



We initialized your project on SonarQube, now it's up to you to launch analyses!

## 1 Provide a token

aplicacionNetCore: **e7e2acdf4d6e5469cd486b29068f0b5ab9d8ad2e** 

The token is used to identify you when an analysis is performed. If it has been compromised, you can revoke any point of time in your [user account](#).

Continue

## 2 Run analysis on your project

What is your project's main language?

Java **C# or VB.NET** Other (JS, TS, Go, Python, PHP, ...)

Download and unzip the Scanner for MSBuild

And add the executable's directory to the `%PATH%` environment variable

Download

## 6. Decargar Net Core e instalar


— <https://dotnet.microsoft.com/download/dotnet-core/thank-you/sdk-3.1.300-windows-x64-installer>

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Home > Download > .NET Core > 3.1 > .NET Core 3.1 SDK (v3.1.300) - Windows x64 Installer

.NET Preview Want to try out the latest preview? .NET 5.0.0-preview.5 is available.

[Get .NET Preview >](#) 

Thanks for downloading  
.NET Core 3.1 SDK (v3.1.300) - Windows x64 Installer!

 **Using Visual Studio?** This release is only compatible with Visual Studio 2019 (v16.6). Using a different version? See [.NET SDKs for Visual Studio](#).

If your download doesn't start after 30 seconds, [click here to download manually](#).

## 7. En un terminal ejecutar e instalar sonar-scanner

Ya lo tengo instalado en mi ordenador

- dotnet tool install --global dotnet-sonarscanner

```
(c) 2019 Microsoft Corporation. Todos los derechos reservados.  
C:\Users\Virginia Aquino>dotnet tool install --global dotnet-sonarscanner  
La herramienta "dotnet-sonarscanner" ya está instalada.  
C:\Users\Virginia Aquino>
```

## 8. En un terminal, acceder a una ruta donde creara una nueva aplicacion

- dotnet new sln -o aplicacionNetCore
- cd aplicacionNetCore
- dotnet new console
- dotnet sln aplicacionNetCore.sln add aplicacionNetCore.csproj

```
C:\Users\Virginia Aquino>dotnet new sln -o aplicacionNetCore  
Getting ready...  
The template "Solution File" was created successfully.  
C:\Users\Virginia Aquino>  
  
C:\Users\Virginia Aquino>cd aplicacionNetCore  
  
C:\Users\Virginia Aquino\aplicacionNetCore>dotnet new console  
The template "Console Application" was created successfully.  
  
Processing post-creation actions...  
Running 'dotnet restore' on C:\Users\Virginia Aquino\aplicacionNetCore\aplicacionNetCore.csproj...  
  Determinando los proyectos que se van a restaurar...  
  Se ha restaurado C:\Users\Virginia Aquino\aplicacionNetCore\aplicacionNetCore.csproj (en 244 ms).  
Restore succeeded.  
  
C:\Users\Virginia Aquino\aplicacionNetCore>dotnet sln aplicacionNetCore.sln add aplicacionNetCore.csproj  
Se ha agregado el proyecto "aplicacionNetCore.csproj" a la solución.  
C:\Users\Virginia Aquino\aplicacionNetCore>
```

## 9. En el mismo terminal, iniciar la sesión de revisión de sonarqube

- dotnet SonarScanner begin /k:aplicacionNetCore/d:sonar.host.url="http://localhost:9000/d:sonar.login

```
C:\Users\Virginia Aquino\aplicacionNetCore>dotnet SonarScanner begin /k:"aplicacionNetCore" /d:sonar.host.url="http://localhost:9000" /d:sonar.login="e7e2acdf4d6e5469cd486b29068f0b5ab9d8ad2e"
SonarScanner for MSBuild 4.9
Using the .NET Core version of the Scanner for MSBuild
Pre-processing started.
Preparing working directories...
00:27:01.004 Updating build integration targets...
00:27:01.803 Fetching analysis configuration settings...
00:27:07.743 Provisioning analyzer assemblies for cs...
00:27:07.745 Installing required Roslyn analyzers...
00:27:14.538 Provisioning analyzer assemblies for vbnet...
00:27:14.539 Installing required Roslyn analyzers...
00:27:14.852 Pre-processing succeeded.
```

## 10. Compilar la aplicación

— dotnet build

```
C:\Users\Virginia Aquino\aplicacionNetCore>dotnet build
Microsoft (R) Build Engine versión 16.7.0-preview-20258-02+26f6d1d87 para .NET
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Determinando los proyectos que se van a restaurar...
Todos los proyectos están actualizados para la restauración.
Está utilizando una versión preliminar de .NET Core. Consulte https://aka.ms/dotnet-core-preview
Program.cs(5,11): warning S1118: Add a 'protected' constructor or the 'static' keyword to the class declaration. [C:\Users\Virginia Aquino\aplicacionNetCore\aplicacionNetCore.csproj]
aplicacionNetCore -> C:\Users\Virginia Aquino\aplicacionNetCore\bin\Debug\net5.0\aplicacionNetCore.dll
Sonar: (aplicacionNetCore.csproj) Project processed successfully

Compilación correcta.

Program.cs(5,11): warning S1118: Add a 'protected' constructor or the 'static' keyword to the class declaration. [C:\Users\Virginia Aquino\aplicacionNetCore\aplicacionNetCore.csproj]
    1 Advertencia(s)
    0 Errores

Tiempo transcurrido 00:00:23.26
C:\Users\Virginia Aquino\aplicacionNetCore>
```

## 11. Cerramos la sesión

— dotnet SonarScanner end /d:sonar.login="e7e2acdf4d6e5469cd486b29068f0b5ab9d8ad2e"

```
C:\Users\Virginia Aquino\aplicacionNetCore>dotnet SonarScanner end /d:sonar.login="e7e2acdf4d6e5469cd486b29068f0b5ab9d8ad2e"
SonarScanner for MSBuild 4.9
Using the .NET Core version of the Scanner for MSBuild
Post-processing started.
Calling the SonarQube Scanner...
INFO: Scanner configuration file: C:\Users\Virginia Aquino\.dotnet\tools\store\dotnet-sonarscanner\4.9.0\dotnet-sonarscanner\4.9.0\tools\netcoreapp3.0\any\sonar-scanner-4.3.0.2102\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: C:\Users\Virginia Aquino\aplicacionNetCore\.sonarqube\out\sonar-project.properties
INFO: SonarScanner 4.3.0.2102
INFO: Java 1.8.0_251 Oracle Corporation (32-bit)
INFO: Windows 10 10.0 x86
INFO: User cache: C:\Users\Virginia Aquino\.sonar\cache
INFO: Scanner configuration file: C:\Users\Virginia Aquino\.dotnet\tools\store\dotnet-sonarscanner\4.9.0\dotnet-sonarscanner\4.9.0\tools\netcoreapp3.0\any\sonar-scanner-4.3.0.2102\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: C:\Users\Virginia Aquino\aplicacionNetCore\.sonarqube\out\sonar-project.properties
INFO: Analyzing on SonarQube server 8.3.1
INFO: Default locale: "es_ES", source code encoding: "windows-1252" (analysis is platform dependent)
```



```

INFO: ----- Run sensors on project
INFO: Sensor Zero Coverage Sensor
INFO: Sensor Zero Coverage Sensor (done) | time=31ms
INFO: SCM Publisher No SCM system was detected. You can use the 'sonar.scm.provider' property to explicitly specify it.
INFO: CPD Executor 1 file had no CPD blocks
INFO: CPD Executor Calculating CPD for 0 files
INFO: CPD Executor CPD calculation finished (done) | time=0ms
INFO: Analysis report generated in 177ms, dir size=79 KB
INFO: Analysis report compressed in 306ms, zip size=11 KB
INFO: Analysis report uploaded in 219ms
INFO: ANALYSIS SUCCESSFUL, you can browse http://localhost:9000/dashboard?id=aplicacionNetCore
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
INFO: More about the report processing at http://localhost:9000/api/ce/task?id=AXLkzdH6Xy7nt6_MAW2G
INFO: Analysis total time: 29.782 s
INFO: -----
INFO: EXECUTION SUCCESS
INFO: -----
INFO: Total time: 54.201s
INFO: Final Memory: 11M/29M
INFO: -----
The SonarQube Scanner has finished
00:29:53.884 Post-processing succeeded.

```

– Como Resultado Final

