

UNIVERSIDAD PRIVADA DE TACNA



FACULTAD DE INGENIERIA

Escuela Profesional de Ingeniería de Sistema

Informe de laboratorio 01

Curso: Calidad y Pruebas de Software

DOCENTE: Ing. Patrick Cuadros Quiroga

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Tacna – Perú

2020

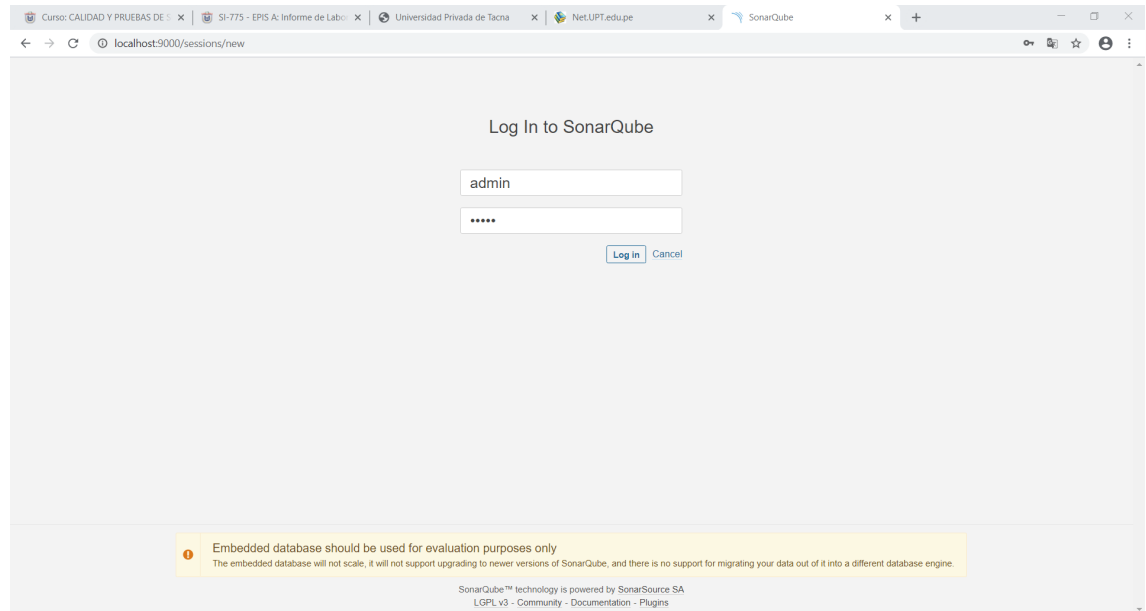
1.Descargar SonarQube

```
Windows PowerShell
PS C:\Users\Edwart> docker pull sonarqube
Using default tag: latest
latest: Pulling from library/sonarqube
cbbde7a5bc2a: Pull complete
ad75d47265c8: Pull complete
43f3acb0c861: Pull complete
ff0605372de9: Pull complete
68aade4336af: Pull complete
Digest: sha256:452e87fe1f932a920bb9546ce0ad148f897565e752fe342058489214b0275c1b
Status: Downloaded newer image for sonarqube:latest
docker.io/library/sonarqube:latest
PS C:\Users\Edwart>
```

2. Ejecutar una instancia de SonarQube

```
Digest: sha256:452e87fe1f932a920bb9546ce0ad148f897565e752fe342058489214b0275c1b
Status: Downloaded newer image for sonarqube:latest
docker.io/library/sonarqube:latest
PS C:\Users\Edwart> docker run -d --name sonarqube -p 9000:9000 sonarqube
aa807adc40dbbb488b75651d4227340ab02f116d642e612234de3e340ad0f048
PS C:\Users\Edwart>
```

3.Ingresar al portal con las credenciales



The screenshot shows a web browser window with the SonarQube login page. The browser's address bar shows the URL `localhost:9000/sessions/new`. The page title is "Log In to SonarQube". There are two input fields: the first contains the text "admin", and the second contains masked characters "*****". Below the password field are two buttons: "Log In" and "Cancel". At the bottom of the page, there is a yellow warning box with an information icon and the text: "Embedded database should be used for evaluation purposes only. The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine." Below the warning box, small text reads: "SonarQube™ technology is powered by SonarSource SA. LGPL v3 - Community - Documentation - Plugins".

Log In to SonarQube

admin


Log In Cancel


Embedded database should be used for evaluation purposes only
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA
LGPL v3 - Community - Documentation - Plugins


4. Crear una nueva aplicación con el nombre aplicacionNetCore


Create a project

Project key* 



Up to 400 characters. Allowed characters are alphanumeric, '-' (dash), '_' (underscore), '.' (period) and ':' (colon), with at least one non-digit.

Display name* 



Up to 255 characters

[Set Up](#)


5. Generar el token de la nueva aplicación aplicacionNetCore, deberá devolver algo similar a 8a15d2a89c8636f15eb32ebec0993b8d16bff94e

Analyze your project

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

- 1

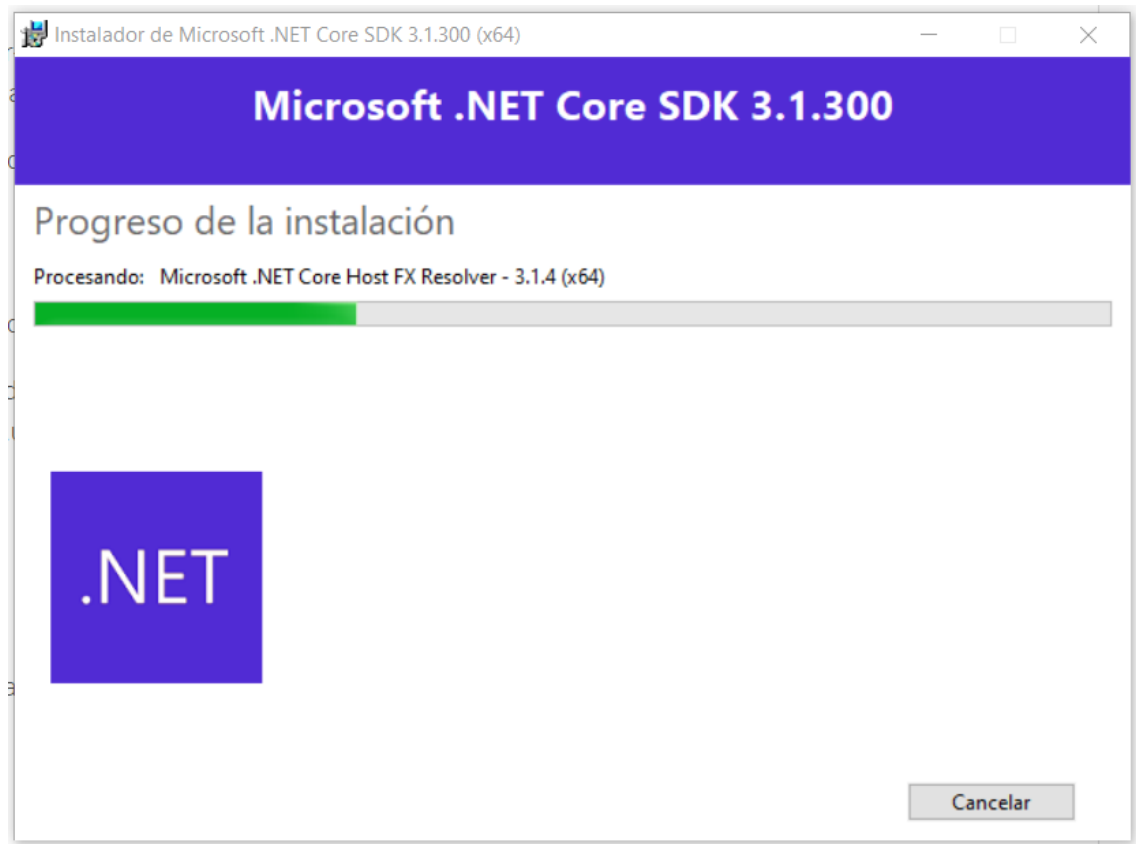
Provide a token

aplicacionNetCore: **602cab4ea9935b2e8ee62935c863a1f134fc8637** 

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

Continue

6. Descargar Net Core e instalar



7. En un terminal ejecutar e instalar sonar-scanner

```
PS C:\Users\Eduard> dotnet tool install --global dotnet-sonarscanner
Esto es .NET Core 3.1.
-----
Versión del SDK: 3.1.402
Telemetría
-----
Las herramientas de .NET Core recopilan datos de uso para ayudarnos a mejorar su experiencia. Estos datos son anónimos. Microsoft los recopila y comparte con la comunidad. Puede optar por no participar en la telemetría si establece la variable de entorno DOTNET_CLI_TELEMETRY_OPTOUT en "1" o "true" mediante su shell favorito.
Lea más sobre la telemetría de las herramientas de la CLI de .NET Core: https://aka.ms/dotnet-cli-telemetry
-----
Explore la documentación: https://aka.ms/dotnet-docs
Informe de los problemas y busque código fuente en GitHub: https://github.com/dotnet/core
Conozca las novedades: https://aka.ms/dotnet-whats-new
Más información sobre el certificado de desarrollador HTTPS instalado: https://aka.ms/aspnet-core-https
Use 'dotnet --help' para ver los comandos disponibles o visite: https://aka.ms/dotnet-cli-docs
Escriba su primera aplicación: https://aka.ms/first-net-core-app
-----
Para instalar la herramienta con el comando siguiente: dotnet sonarscanner
C:\Users\Eduard> dotnet sonarscanner --version 3.0.0.1 se instaló correctamente.
PS C:\Users\Eduard>
```

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

```
PS C:\Users\Edwart> dotnet new sln -o aplicacionNetCore
Getting ready...
The template "Solution File" was created successfully.

An update for template pack Microsoft.DotNet.Common.ItemTemplates::3.1.8 is available.
  install command: dotnet new -i Microsoft.DotNet.Common.ItemTemplates::3.1.8
PS C:\Users\Edwart> cd aplicacionNetCore
PS C:\Users\Edwart\aplicacionNetCore> dotnet new console
The template "Console Application" was created successfully.

Processing post-creation actions...
Running 'dotnet restore' on C:\Users\Edwart\aplicacionNetCore\aplicacionNetCore.csproj...
  Determinando los proyectos que se van a restaurar...
  Se ha restaurado C:\Users\Edwart\aplicacionNetCore\aplicacionNetCore.csproj (en 162 ms).

Restore succeeded.

An update for template pack Microsoft.DotNet.Common.ProjectTemplates.3.1::3.1.8 is available.
  install command: dotnet new -i Microsoft.DotNet.Common.ProjectTemplates.3.1::3.1.8
PS C:\Users\Edwart\aplicacionNetCore> dotnet sln aplicacionNetCore.sln add aplicacionNetCore.csproj
Se ha agregado el proyecto "aplicacionNetCore.csproj" a la solución.
PS C:\Users\Edwart\aplicacionNetCore>
```

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

```
PS C:\Users\Edwart\aplicacionNetCore> dotnet sonarscanner begin /d:sonar.host.url="http://localhost:9000" /d:sonar.login=admin /d:sonar.password=admin /k:"aplicacionNetCore"
SonarScanner for MSBuild 4.10
Using the .NET Core version of the Scanner for MSBuild
Pre-processing started.
Preparing working directories...
07:12:11.115 Updating build integration targets...
07:12:11.403 Fetching analysis configuration settings...
07:12:15.61 Provisioning analyzer assemblies for cs...
07:12:15.612 Installing required Roslyn analyzers...
07:12:18.339 Provisioning analyzer assemblies for vbnet...
07:12:18.339 Installing required Roslyn analyzers...
07:12:18.393 Pre-processing succeeded.
PS C:\Users\Edwart\aplicacionNetCore>
```

10. Compilar la aplicación

```
07:12:18.393 Pre-processing succeeded.
PS C:\Users\Edwart\aplicacionNetCore> dotnet build
Microsoft (R) Build Engine versión 16.7.0+70b2502 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.
Program.cs(5,11): warning S1118: Add a 'protected' constructor or the 'static' keyword to the class declaration. [C:\Users\Edwart\aplicacionNetCore\aplicacionNetCore.csproj]
aplicacionNetCore -> C:\Users\Edwart\aplicacionNetCore\bin\Debug\netcoreapp3.1\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\Edwart\aplicacionNetCore\aplicacionNetCore.csproj]
1 Advertencia(s)
0 Errores

Tiempo transcurrido 00:00:07.62
PS C:\Users\Edwart\aplicacionNetCore>
```

11. Cerramos la sesión

```
PS C:\Users\Edward> cd aplicacionMetCore
PS C:\Users\Edward\aplicacionMetCore> dotnet sonarscanner end /d:sonar.login=admin /d:sonar.password=admin
SonarScanner for MSBuild 4.10
Using the .NET Core version of the Scanner for MSBuild
Post-processing started.
Calling the SonarQube Scanner...
INFO: Scanner configuration file: C:\Users\Edward\dotnet\tools\store\dotnet-sonarscanner\4.10.0\dotnet-sonarscanner\4.10.0\tools\netcoreapp3.0\any\sonar-scanner-4.4.0.2170\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: C:\Users\Edward\aplicacionMetCore\sonarqube\out\sonar-project.properties
INFO: SonarScanner 4.4.0.2170
INFO: Java 15.0.1 Oracle Corporation (64-bit)
INFO: Windows 10 10.0 amd64
INFO: User cache: C:\Users\Edward\sonar\cache
INFO: Scanner configuration file: C:\Users\Edward\dotnet\tools\store\dotnet-sonarscanner\4.10.0\dotnet-sonarscanner\4.10.0\tools\netcoreapp3.0\any\sonar-scanner-4.4.0.2170\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: C:\Users\Edward\aplicacionMetCore\sonarqube\out\sonar-project.properties
INFO: Analyzing on SonarQube server 8.5.1
INFO: Default locale: "es_PE", source code encoding: "windows-1252" (analysis is platform dependent)
INFO: Load global settings
INFO: Load global settings (done) | time=39ms
INFO: Server id: B-41A1F2-XXV-ij9Hd2WwAbJpQdt
INFO: User cache: C:\Users\Edward\sonar\cache
INFO: Load/download plugins
INFO: Load plugins index
INFO: Load plugins index (done) | time=410ms
```