

How to integrate a SonarQube Project to Azure Pipeline?

Step-by-step guide

1. Navigate to Pipelines > Pipelines > Your Build Pipeline
2. Click Edit
3. Use one of the two [Abbvie agent pools](#) (windows or linux) as your build agent
 - a. Linux : 'abv-linux-agent-pool-latest'
 - b. Windows: 'BTS-DEVOPS-WIN-PROD'
4. Add the Prepare Analysis Configuration step to your pipeline before the build stage
 - a. Choose the EnterpriseServiceConnection service connection
 - b. Choose you build type
 - c. Advanced Section
 - i. Add sonar.projectKey with your project key to link sonar correctly to your project
 1. sonar.projectKey=helloworld
 - ii. Add [sonar.branch.name=\\$\(Build.SourceBranchName\)](#)
 1. This will link your sonar scan to the current branch that you are running on
 - iii. Add any other [additional properties](#) as required
5. Configure run analysis step
 - a. If you chose 'Use standalone scanner' in step 4
 - i. Add the Run Code Analysis stage to your build after your build stage
 - b. If you chose another option
 - i. Check the code analysis box in your build step to ensure it runs
6. *Optional* : After the analysis, add the 'Publish Quality Gate Result' step
 - a. Displays sonar status results with build in Azure DevOps
 - i. To view results published this way, go to the Extensions tab on the build
7. Add the SonarQube build breaker step
 - a. Will fail your pipeline if the Quality Gate fails
8. If using a linux agent
 - a. Click on Variables
 - b. Click the +
 - c. Add the following variable
 - i. Name: NODE_EXTRA_CA_CERTS
 - ii. Value: /etc/pki/ca-trust/extracted/pem/tls-ca-bundle.pem
 - iii. This ensures that the sonar tasks know where to find the AbbVie SSL certs
9. Save

Running your Scan

Run your pipeline as before and the scan should now run as a part of it

Additional Resources

[Requirements-Gathering-Sonarqube V1.0.docx](#)



Related articles

- [How to add users to AD security groups for access to DevOps Tools?](#)
- [How to integrate a SonarQube Project to Azure Pipeline?](#)
- [How to create a Change Request \(CR\) Release pipeline for Production Release?](#)
- [How to start with an Azure Pipeline?](#)
- [How to access Azure DevOps?](#)