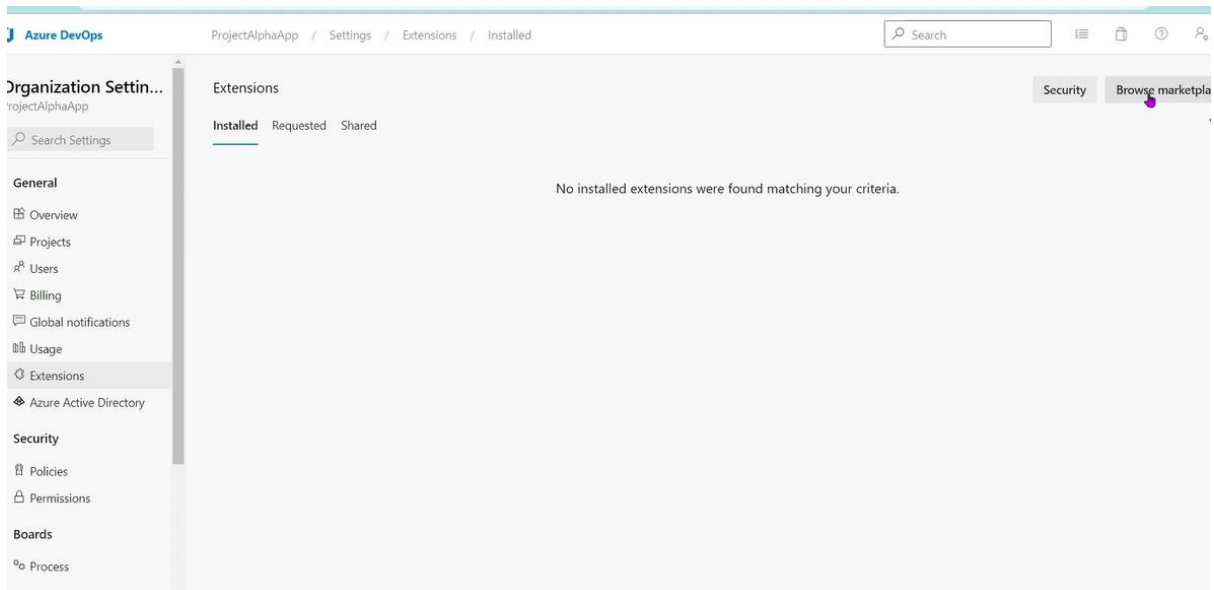
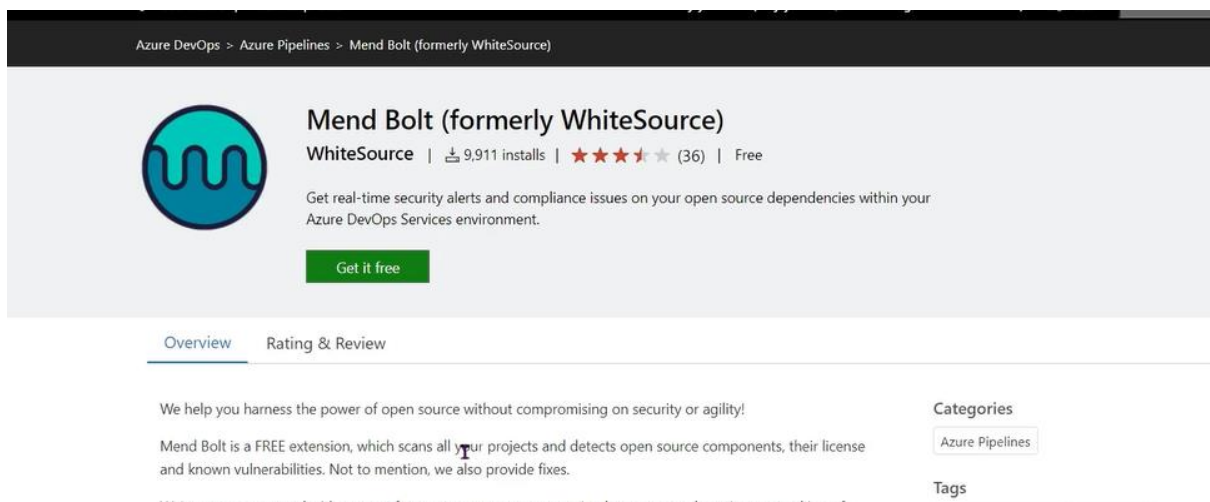
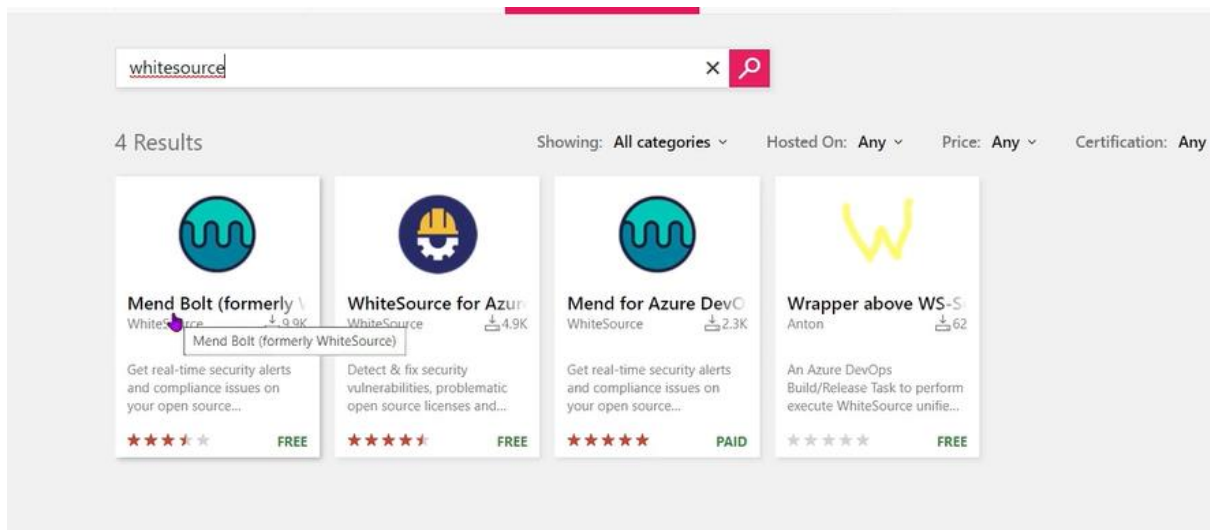


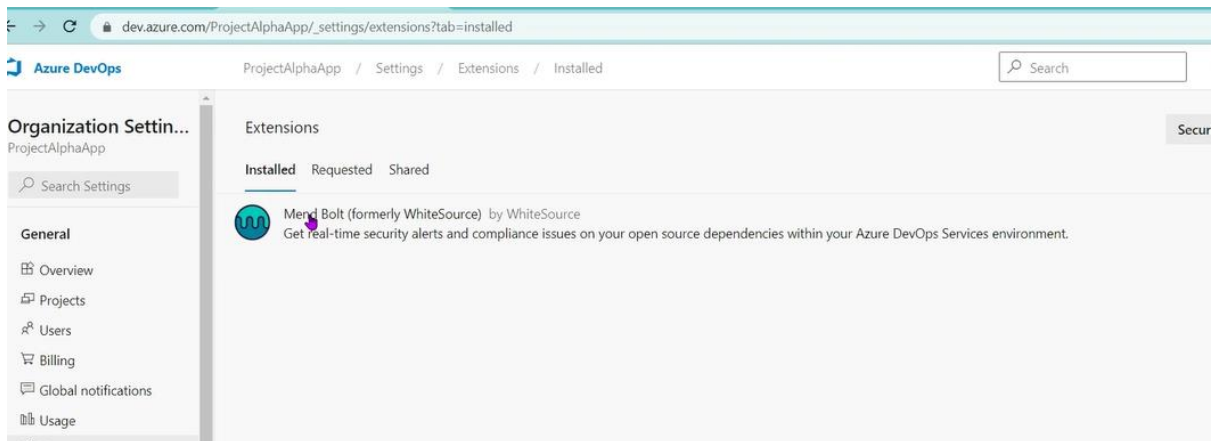
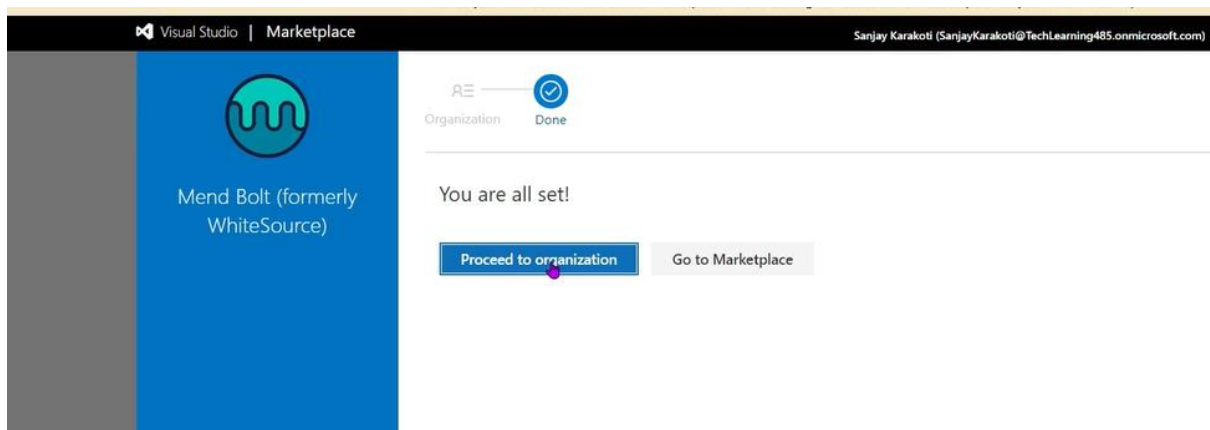
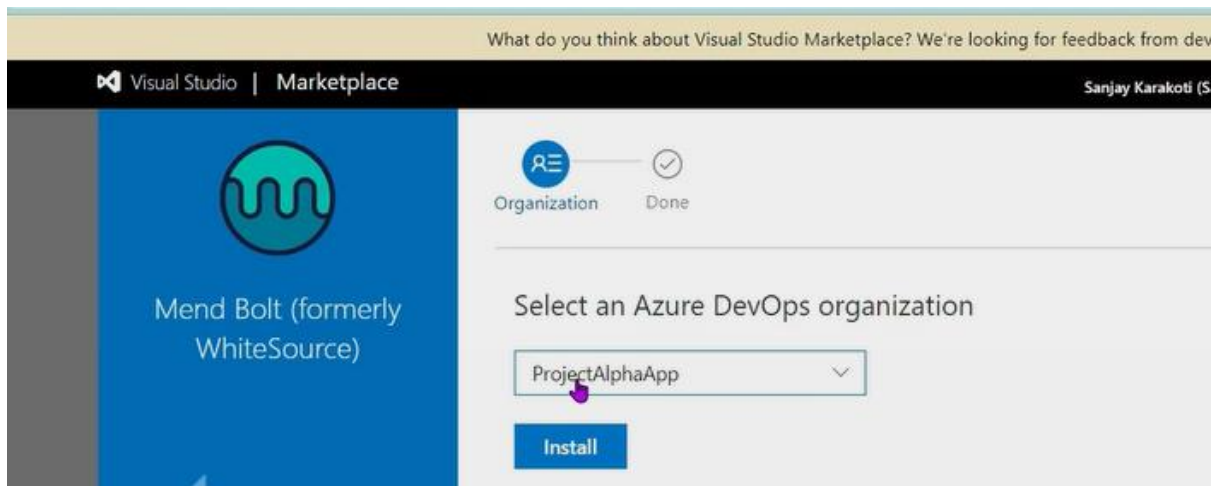
## Mend Tool Integration with Azure CI/CD Pipelines

Go to organizational settings and Browse MarketPlace under extensions.

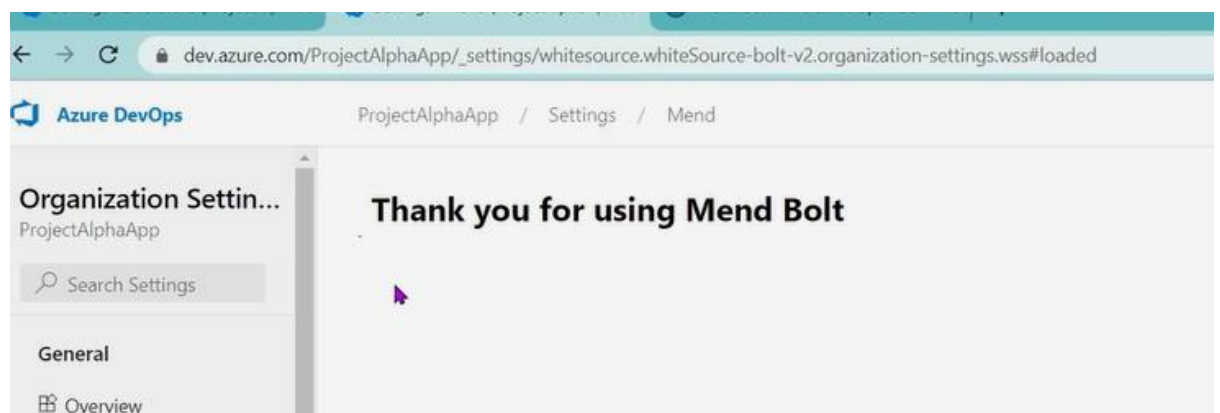
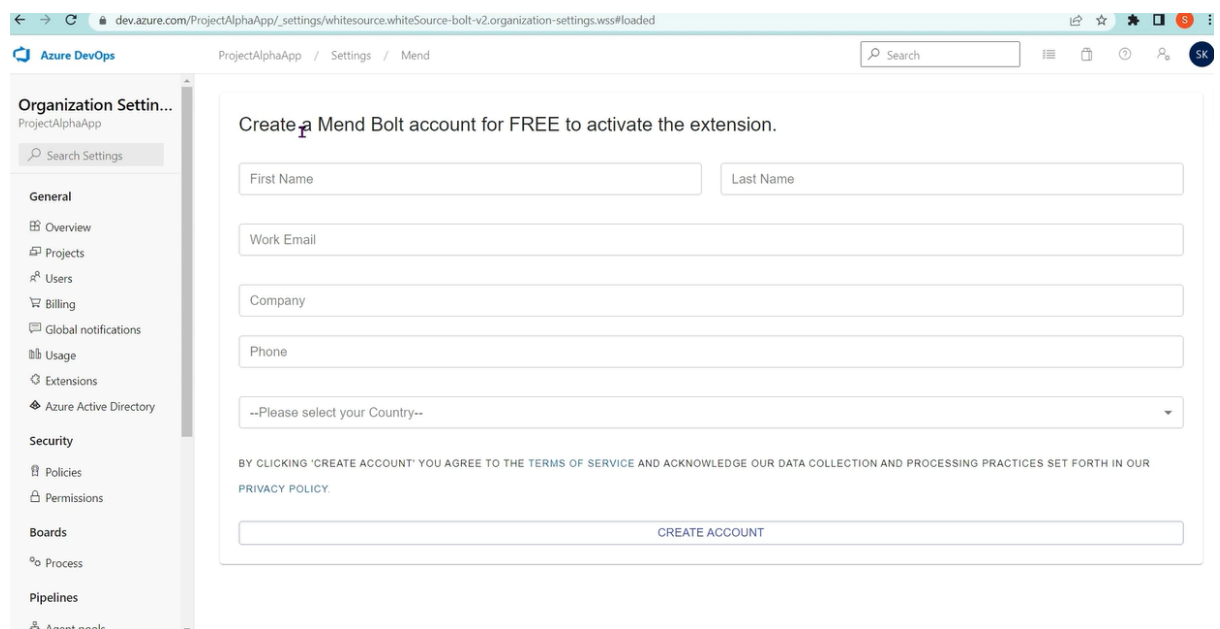
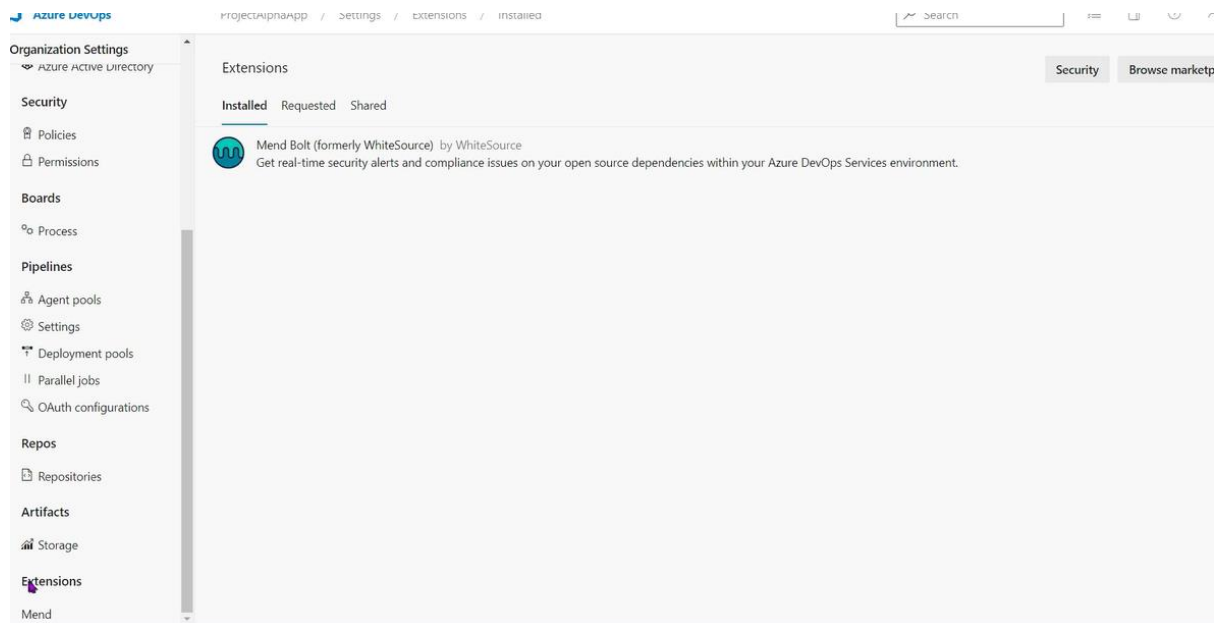


Install Mendtool from Free Version





Scroll down under extensions go to Mend and complete the registration process.



Create a Project ExtensionProject and push sample ASP.Net code from local repo to Azurerepos.

**Azure DevOps** ProjectAlphaApp / ExtentionProject / Repos / Files / ExtentionProject

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**ExtentionProject**

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**ExtentionProject**

- ExtentionProject
  - .gitattributes
  - .gitignore
  - azure-pipelines.yml
  - ExtentionProject.sln

**Files** failed Clone

Contents History

Name ↑	Last change	Commits
ExtentionProject	5h ago	044296d8 Add project files. Sanjay Karakoti
.gitattributes	5h ago	046c652c Add .gitattributes and .gitignore. Sanjay ...
.gitignore	5h ago	046c652c Add .gitattributes and .gitignore. Sanjay ...
azure-pipelines.yml	5h ago	4f1a4db8 Update azure-pipelines.yml for Azure Pip...
ExtentionProject.sln	5h ago	044296d8 Add project files. Sanjay Karakoti

## Create a build Pipeline

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### Create your first Pipeline

Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes.

[Create Pipeline](#)

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ConnectSelectConfigureReview

New pipeline

Where is your code?

Azure Repos GitYAML

private Git repositories, pull requests, and code search

Bitbucket CloudYAML

Hosted by Atlassian

GitHubYAML

Home to the world's largest community of developers

GitHub Enterprise ServerYAML

The self-hosted version of GitHub Enterprise

Other Git

Any generic Git repository

Subversion

Centralized version control by Apache

Use the classic editor to create a pipeline without YAML.

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New pipeline

Review your pipeline YAML

VariablesRun

ExtentionProject / azure-pipelines.yml

Show assistant

```
1 # ASP.NET Core (.NET Framework)
2 # Build and test ASP.NET Core projects targeting the full .NET Framework.
3 # Add steps that publish symbols, save build artifacts, and more:
4 # https://docs.microsoft.com/azure/devops/pipelines/languages/dotnet-core
5
6 trigger:
7   - master
8
9 pool:
10  - vmImage: 'windows-latest'
11
12 variables:
13   - solution: '**/*.sln'
14   - buildPlatform: 'Any CPU'
15   - buildConfiguration: 'Release'
16
17 steps:
18   - task: NuGetToolInstaller@1
19
20   - task: NuGetCommand@2
21     inputs:
22       - restoreSolution: '$(solution)'
```

Add WhiteSource /Mend Tool Task to the pipeline.

New pipeline

## Review your pipeline YAML

Variables Run

ExtentionProject / azure-pipelines.yml

```
1 # ASP.NET Core (.NET Framework)
2 # Build and test ASP.NET Core projects targeting the full .NET Framework.
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10  vmImage: 'windows-latest'
11
12 variables:
13   - solution: '**/*.sln'
14   - buildPlatform: 'Any CPU'
15   - buildConfiguration: 'Release'
16
17 steps:
18   - task: NuGetToolInstaller@1
19
20   - task: NuGetCommand@2
21     inputs:
```

Tasks

white

WhiteSource Bolt  
Detect security vulnerabilities, problematic open s...

ExtentionProject

Overview Boards Repos Pipelines Pipelines Environments Releases Library Task groups Deployment groups Test Plans Artifacts Project settings

Connect Select Configure Review

New pipeline

## Review your pipeline YAML

Variables Save and run

ExtentionProject / azure-pipelines.yml

```
11 variables:
12   - solution: '**/*.sln'
13   - buildPlatform: 'Any CPU'
14   - buildConfiguration: 'Release'
15
16
17 steps:
18   - task: NuGetToolInstaller@1
19
20   - task: NuGetCommand@2
21     inputs:
22       - restoreSolution: '$(solution)'
23
24   - task: VSBuild@1
25     inputs:
26       - solution: '$(solution)'
27       - msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipIn
28       - platform: '$(buildPlatform)'
29       - configuration: '$(buildConfiguration)'
30
31
32
```

WhiteSource Bolt

Root working directory \*  
\$(System.DefaultWorkingDirectory)

Project name

Scan report timeout (minutes)  
10

Add

ExtentionProject / azure-pipelines.yml

```
17 steps:
18   - task: NuGetToolInstaller@1
19
20   - task: NuGetCommand@2
21     inputs:
22       - restoreSolution: '$(solution)'
23
24   - task: VSBuild@1
25     inputs:
26       - solution: '$(solution)'
27       - msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipIn
28       - platform: '$(buildPlatform)'
29       - configuration: '$(buildConfiguration)'
30
31   - task: WhiteSource@21
32     inputs:
33       - cwd: '$(System.DefaultWorkingDirectory)'
34
```

Tasks

Search tasks

- .NET Core  
Build, test, package, or publish a dotnet applicatio...
- Android signing  
Sign and align Android APK files
- Ant  
Build with Apache Ant
- App Center distribute  
Distribute app builds to testers and users via Visu...
- App Center test  
Test app packages with Visual Studio App Center
- Archive files  
Compress files into .7z, .tar.gz, or .zip
- ARM template deployment  
Deploy an Azure Resource Manager (ARM) templ...

Run the Pipeline.

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New pipeline

Review your pipeline YAML

ExtensionProject / azure-pipelines.yml

```
17 steps:
18 Settings
19 - task: NuGetToolInstaller@1
20 Settings
21 - task: NuGetCommand@2
22   inputs:
23     restoreSolution: '$(solution)'
24 Settings
25 - task: VSBuild@1
26   inputs:
27     solution: '$(solution)'
28     msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile
29     platform: '$(buildPlatform)'
30     configuration: '$(buildConfiguration)'
31 Settings
32 - task: WhiteSource@21
33   inputs:
34     cwd: '$(System.DefaultWorkingDirectory)'
```

Save and run

Saving will commit azure-pipelines.yml to the repository.

Commit message

ted

Optional extended description

Add an optional description...

☒ Commit directly to the master branch

☐ Create a new branch for this commit

Save and run

ExtensionProject

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Jobs in run #20220722.1

ExtensionProject

Jobs

Job

2m 52s

Initialize job

29s

Checkout ExtensionProj...

4s

NuGetToolInstaller

6s

NuGetCommand

13s

VSBuild

21s

WhiteSource

1m 37s

Post-job: Checkout Ex...

<1s

Finalize Job

<1s

Report build status

<1s

Job

1 Pool: Azure Pipelines

2 Image: windows-latest

3 Queued: Today at 6:17 PM [manage\_parallel\_jobs]

4 Agent: Hosted Agent

5 Started: Today at 6:18 PM

6 Duration: 2m 52s

7

8 The agent request is already running or has already completed.

9 Job preparation parameters

10 Job live console data:

11 Starting: Job

12 Finishing: Job

ture DevOps

ProjectAlphaApp / ExtentionProject / Pipelines / ExtentionProject / 20220722.1

Search

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#20220722.1 testing

ExtentionProject

mend\_scan\_start\_time=Fri, 22 Jul 2022 12:49:37 GMT build\_report\_status=ready mend\_support\_token=r9kwekd1hnhexrefb06oh62h2byde3k70y2abexmu6z

Run new

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

View retention leases

Summary

Mend Bolt

Open source risk report

Total libraries: 0

Mend could not detect any open-source components in this pipeline

Vulnerability risk

No Risk

Vulnerable libraries

0

Severity distribution

High

Medium

Low

Inventory (0)

Security vulnerabilities (0)

License risks

Library

Licenses

ExtentionProject

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#20220722.1 testing

ExtentionProject

mend\_scan\_start\_time=Fri, 22 Jul 2022 12:49:37 GMT build\_report\_status=ready mend\_support\_token=r9kwekd1hnhexrefb06oh62h2byde3k70y2abexmu6z

Run new

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

View retention leases

Summary

Mend Bolt

Inventory (0)

Security vulnerabilities (0)

License risks

License Risk

License distribution

License	Risk	Occurrences
---------	------	-------------