

IDEASOFT DEMO APP

Azure DevOps CI/CD Pipeline

Azure DevOps platformu üzerinden CI/CD süreçleri aşağıdaki adımları izler:

The screenshot displays the Azure DevOps interface for a pipeline run. The left sidebar shows the navigation menu with 'Pipelines' selected. The main area shows the pipeline details for run #20241205.12. The pipeline is triggered by 'ferityksel'. The summary section shows the repository and version, time started and elapsed, and related work items and artifacts. The pipeline consists of five stages: Install Dependencies (32s), Run Unit Tests (59s), SonarQube Analysis (32s), Build and Push Dock... (22s), and HelmDeploy (7s). The 'Run Unit Tests' stage is currently selected, showing a list of jobs and a 'Rerun just this stage' button.

1. Install Dependencies: Symfony bağımlılıkları yüklenir.

The screenshot shows the 'Install dependencies' job details. The job is part of the 'Install Dependencies' stage. The job log shows the execution of 'composer install' and 'composer update' commands, which successfully installed and updated the Symfony dependencies. The log also includes warnings about deprecated packages and a message about the 'composer fund' command.

2. Run Unit Tests: PHPUnit testleri çalıştırılır.

The screenshot shows the Azure DevOps interface for a pipeline named 'demo-ideasoft'. The left sidebar has 'Pipelines' selected. The main area shows 'Jobs in run #20241205.12'. The 'Run PHPUnit' job is highlighted, showing its status as 'Failed' with a red exclamation mark. The job details show a list of dependencies being installed, including PHPUnit and various Symfony components. The job output shows the PHPUnit command being executed, resulting in a failure due to a missing test file.

3. SonarQube Analysis: Kod kalitesi analizi yapılır.

The screenshot shows the Azure DevOps 'Service connections' page. The left sidebar has 'Settings' selected. The main area displays the 'Service connections' page, which lists two connections: 'Dockerhub' and 'SonarQube'. The 'SonarQube' connection is highlighted.

Azure DevOps feritysel / demo-ideasoft / Pipelines / demo-ideasoft / 20241205.12

demo-ideasoft

Jobs in run #20241205.12

Run Unit Tests

Run PHPUnit Tests

SonarQube Analysis

Run SonarQube Scanner (Debug Mode)

Build and Push Docker Image

Deploy to K8s

Finalize build

Report build status

Run SonarQube Scanner (Debug Mode)

```
00:02:13.498 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/EventSubscriber/RedirectToPreferredLocalSubscriber.php
00:02:13.498 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Form/PostType.php
00:02:13.498 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Event/CommentCreatedEvent.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Entity/Post.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Utils/Validator.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Controller/UserController.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Controller/CommentController.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Controller/Tag.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Form/Type/ChangePasswordType.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/EventSubscriber/ControllerSubscriber.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Controller/TagController.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Command/AddressCommand.php
00:02:13.493 DEBUG: Detection of duplications for /home/ferit/myagent/_work/1/s/src/Pagination/Paginator.php
00:02:13.494 INFO: CPU Executor CPU calculation finished (done) | time=3ms
00:02:13.478 INFO: SON revision ID '0058c517a34205d59f46b6a1f027f5a2c4f1'
00:02:13.511 INFO: Analysis report generated in 79ms, zip size=48.1 kB
00:02:13.231 INFO: Analysis report compressed in 37ms, zip size=171.1 kB
00:02:13.211 INFO: Analysis report generated in /home/ferit/myagent/_work/1/s/.scannerwork/scanner-report
00:02:13.211 DEBUG: Upload report
00:02:13.246 DEBUG: POST 200 https://192.168.17.1:9000/api/cv/submit?project=ideasoft_app&version=ideasoft_app | time=32ms
00:02:13.254 INFO: Analysis report uploaded in 4ms
00:02:13.257 DEBUG: Report metadata written to /home/ferit/myagent/_work/1/s/sonar/52/8c4a626-972f-5e46-2346-a626c6e5f61/report-task.txt
00:02:13.257 INFO: ANALYSIS SUCCESSFUL, you can find the results at: http://192.168.17.1:9000/dashboard?id=ideasoft_app
00:02:13.257 INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
00:02:13.257 INFO: Here about the report processing at http://192.168.17.1:9000/api/cv/task?id=af583723-1146-692e-3049-943417f53fd
00:02:13.306 DEBUG: Post-Job:
00:02:13.262 INFO: Analysis total time: 9.729 s
00:02:13.263 INFO: .....
00:02:13.264 INFO: EXECUTION SUCCESS
00:02:13.264 INFO: .....
00:02:13.264 INFO: Total time: 10.737s
00:02:13.336 INFO: Final Memory: 12M/47M
00:02:13.336 INFO: .....
00:02:13.344 DEBUG: Cleanup org.eclipse.jgit.util.FSPathStoreAttributes$1.lambda$300/0d0000000012811e0@ec94da during JVM shutdown
411
412 Finishing: Run SonarQube Scanner (Debug Mode)
```

sonarqube

Projects Issues Rules Quality Profiles Quality Gates Administration More

Ideasoft-app / main

Overview Issues Security Hotspots Measures Code Activity

main

3.4k Lines of Code · Version 1.0 · Set as homepage

The last analysis has warnings. [See details](#)

Quality Gate Status

Passed

Enjoy your sparkling clean code!

Last analysis 48 minutes ago

New Code Overall Code

Security

0 Open issues

Reliability

0 Open issues

Maintainability

4 Open issues

Accepted issues

0

Coverage

0.0%

Duplications

Security Hotspots

4. Build and Push Docker Image: Docker image oluşturulur ve Docker Hub'a gönderilir.

Azure DevOps feritysel / demo-ideasoft / Pipelines / demo-ideasoft / 20241205.12

demo-ideasoft

Jobs in run #20241205.12

Install Dependencies

Run Unit Tests

SonarQube Analysis

Build and Push Docker Image

Docker

Deploy to K8s

Finalize build

Report build status






Docker


```
188 ----> b220882c4198
189 Step 20/21 : LABEL image.base.digest=sha256:da2649556886c24b95a99c9b424254fcf133977eff35f04fa579852264991cf7
190 ----> Running in 75ed3a51836
191 Removing intermediate container 75ed3a51836
192 ----> 38d56d2c1544
193 Step 21/21 : LABEL image.base.ref.name=php:8.2-c11
194 ----> Running in a7aa38b35da
195 Removing intermediate container a7aa38b35da
196 ----> 22e14bc358ef
197 Successfully built 22e14bc358ef
198 Successfully tagged ***/demoideasoft:52
199
200 /usr/bin/docker images
201 /usr/bin/docker push ***/demoideasoft:52
202 The push refers to repository [docker.io/***demoideasoft]
203
204 REPOSITORY TAG IMAGE ID CREATED SIZE
205 ***demoideasoft 52 22e14bc358ef Less than a second ago 76.2MB
206 ***demoideasoft 50 8f0f8b8a7311 4 minutes ago 76.2MB
207 ***demoideasoft 23 7db674b966fc 25 hours ago 76.2MB
208 ferit6 latest f047c13e75c8 25 hours ago 76.2MB
209 ferit6 latest 0496268c28f1 25 hours ago 76.2MB
210 ferit2 latest 8f1a2b3f0b4c 25 hours ago 76.2MB
211 ferit1 latest 21a1d6c2d8af 25 hours ago 76.2MB
212 ***demoideasoft 22 b9c15d2b118 25 hours ago 76.2MB
213 ***demoideasoft 20 7db65211a79 3 days ago 76.3MB
214 ***demoideasoft 19 66a85c1818a 3 days ago 76.3MB
215 ***demoideasoft latest 35a2a713db65 3 days ago 76.3MB
216 demoideasoft 18 35a2a713db65 3 days ago 76.3MB
217 <none> 1e7d0b8b04d9 3 days ago 61.7MB
218 ferit latest 2b7cd39751e8 3 days ago 76.0MB
219 <none> <none> 7d78b0e5f1b1 3 days ago 64.3MB
220 <none> 79ab79c9d0b 3 days ago 51.9MB
221 php <none> b2ba29a008a5 2 weeks ago 52.7MB
222 php 8.2-c11 f5efb7ee5598 2 weeks ago 52.7MB
223 composer latest 9e3f4c1ff4ae1 2 weeks ago 28.2MB
224 gcr.io/k8s-minikube/kubecore <none> aee0b18642 3 months ago 1.26GB
```

dockerhub Explore **Repositories** Organizations Usage Search Docker Hub






ferityuksel / **Repositories** / demoideasoft / General Using 0 of 1 private repositories.

General Tags Builds Collaborators Webhooks Settings



ferityuksel/demoideasoft 
 Last pushed about 1 hour ago
 Add a description   INCOMPLETE
 Add a category   INCOMPLETE

Docker commands
 To push a new tag to this repository:
 docker push ferityuksel/demoideasoft:tagname 

Tags
 This repository contains 5 tag(s).

Tag	OS	Type	Pulled	Pushed
52		Image	an hour ago	an hour ago
51		Image	an hour ago	an hour ago
50		Image	an hour ago	an hour ago
23		Image	a day ago	a day ago
20		Image	a day ago	3 days ago

[See all](#)

Automated builds
 Manually pushing images to Docker Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.
 Available with Pro, Team and Business subscriptions. [Read more about automated builds](#) 


```
ferit@ubuntu-dev-01:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
ferityuksel/demoideasoft 52                 22e14bc358ef      2 minutes ago      762MB
ferityuksel/demoideasoft 51                 a80fa424d819      6 minutes ago      762MB
ferityuksel/demoideasoft 50                 0fdf68ba8731      8 minutes ago      762MB
ferityuksel/demoideasoft 23                 7db674896dfc      25 hours ago       762MB
ferityuksel/demoideasoft latest             f047c13e75c8      25 hours ago       762MB
ferit6               latest             0496268c20f1      25 hours ago       762MB
ferit4               latest             8f1d203f0b4c      25 hours ago       762MB
ferit2               latest             21a1d8e2c8af      25 hours ago       762MB
ferit1               latest             21a1d8e2c8af      25 hours ago       762MB
ferityuksel/demoideasoft 22                 b9c15820e158      25 hours ago       762MB
ferityuksel/demoideasoft 20                 7bebe5211a79      3 days ago         763MB
ferityuksel/demoideasoft 19                 6b6085d1018a      3 days ago         763MB
ferityuksel/demoideasoft latest             35a2a71bdb65      3 days ago         763MB
demoideasoft         18                 35a2a71bdb65      3 days ago         763MB
<none>               <none>             1e78d0b804d9      3 days ago         617MB
ferit                 latest             2b7cd39751e0      3 days ago         760MB
<none>               <none>             7df8beb5f1b1      3 days ago         643MB
<none>               <none>             79b8e7eca9db      3 days ago         578MB
bhp                   8.2-cli            f5efb7ee5590      2 weeks ago        527MB
bhp                   <none>             b20a204080c5      2 weeks ago        527MB
composer              latest             9e3f4c1ff4e1      2 weeks ago        202MB
gcr.io/k8s-minikube/kicbase <none>             aeed0e1d4642      3 months ago       1.28GB
ferit@ubuntu-dev-01:~$
```

5. Deploy to Kubernetes: Helm kullanılarak Kubernetes'e dağıtım yapılır.

Azure DevOps ferityuksel / demo-ideasoft / Pipelines / demo-ideasoft / 20241205.12

demo-ideasoft Overview Boards Repos Pipelines **Pipelines** Environments Releases Library Task groups Deployment groups Test Plans Artifacts Project settings

Jobs in run #20241205.12 (demo-ideasoft)

Install Dependencies

- Install PHP Dependencies 27s

Run Unit Tests

- Run PHPUnit Tests 46s

SonarQube Analysis

- Run SonarQube Analysis 28s

Build and Push Docker Image


- Docker Build and Push 17s

HelmDeploy

- Deploy to K8s 2s
 - Initialize job <1s
 - Checkout demo-ideasoft@master... 1s
 - Deploy with Helm** <1s
 - Post-job: Checkout demo-idea... <1s
 - Finalize Job <1s

Finalize build

- Report build status <1s

Deploy with Helm 

```
1 Starting: Deploy with Helm
2
3 Task : Command line
4 Description : Run a command line script using Bash on Linux and macOS and cmd.exe on Windows
5 Version : 2.240.1
6 Author : Microsoft Corporation
7 Help : https://docs.microsoft.com/azure/devops/pipelines/tasks/utility/command-line
8
9 Generating script.
10 ===== Starting Command Output =====
11 /bin/bash --noprofile --nrc /home/ferit/agent/_work/_temp/5d3162d-19d0-4967-9a19-cf66a089304.sh
12 Release "demo-ideasoft" has been upgraded. Happy Helming!
13 NAME: demo-ideasoft
14 LAST DEPLOYED: Fri Dec 6 00:03:05 2024
15 NAMESPACE: ideasoft
16 STATUS: deployed
17 REVISION: 9
18 TEST SUITE: None
19
20 Finishing: Deploy with Helm
```

```
ferit@ubuntu-dev-01:~$ helm ls -n ideasoftware
NAME          NAMESPACE      REVISION        UPDATED           STATUS    CHART          APP VERSION
demo-ideasoftware ideasoftware    5              2024-12-06 00:03:05.822737486 +0300 +03 deployed my-symfony-app-0.1.0 1.0.0
ferit@ubuntu-dev-01:~$
```

```
ferit@ubuntu-dev-01:~$ kubectl get pods -n ideasoftware
NAME          READY   STATUS    RESTARTS   AGE
my-symfony-app-9d68495b-7b915  1/1     Running   0          4m24s
ferit@ubuntu-dev-01:~$ kubectl logs my-symfony-app-9d68495b-7b915 -n ideasoftware
Following Web Server log file (/root/.symfony5/log/20fcac9217fb2aa9ef2010c29c84385f6ff488ab.log)
WARNING the current dir requires PHP 8.2.0 (composer.json from current dir: /var/www/html/my_project/composer.json), but this version is not available: fallback to 8.2
Following PHP-CGI log file (/root/.symfony5/log/20fcac9217fb2aa9ef2010c29c84385f6ff488ab/79ca75f9e90b4126a5955a33ea0a41ec5e854698.log)

[WARNING] The local web server is optimized for local development and MUST never be used in a production setup.

[OK] Web server listening
The Web server is using PHP CGI 8.2.26
http://127.0.0.1:8000

[Web Server ] Dec  5 21:03:10 |DEBUG | PHP      Reloading PHP versions
[Web Server ] Dec  5 21:03:10 |WARN  | PHP      the current dir requires PHP 8.2.0 (composer.json from current dir: /var/www/html/my_project/composer.json), but this version is not available: fallback to 8.2
[Web Server ] Dec  5 21:03:10 |DEBUG | PHP      Using PHP version 8.2.26 (from composer.json from current dir: /var/www/html/my_project/composer.json)
[Application] Dec  4 20:12:03 |INFO  | HTTP_C   Response: "200 https://cdn.jsdelivr.net/npm/lato-font@3.0.0/fonts/lato-black/lato-black.woff"
[Application] Dec  4 20:12:03 |INFO  | HTTP_C   Response: "200 https://cdn.jsdelivr.net/npm/lato-font@3.0.0/fonts/lato-black-italic/lato-black-italic.woff2"
[Application] Dec  4 20:12:03 |INFO  | HTTP_C   Response: "200 https://cdn.jsdelivr.net/npm/lato-font@3.0.0/fonts/lato-black-italic/lato-black-italic.woff"
[Application] Dec  4 20:12:03 |DEBUG | PHP      Warning: mkdir(): File exists
[Application] Dec  4 20:12:03 |DEBUG | PHP      Warning: mkdir(): File exists
[Application] Dec  4 20:12:03 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Application] Dec  4 20:12:23 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Application] Dec  4 20:12:23 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Application] Dec  4 20:12:23 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Application] Dec  4 20:12:23 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Application] Dec  4 20:12:24 |INFO  | DEPREC   User Deprecated: Since twig/twig 3.10: The "Twig\Extension\EscaperExtension::addSafeClass()" method is deprecated, use the "Twig\Runtime\EscaperRuntime::addSafeClass()" method instead.
[Web Server ] Dec  5 21:03:10 |INFO  | PHP      listening path="/usr/local/bin/php-cgi" php="8.2.26" port=43469
[PHP-CGI ] Dec  5 21:03:10 |DEBUG | RUNNER   Waiting for channels (first boot) cmd="PHP-CGI"
[PHP-CGI ] Dec  5 21:03:12 |DEBUG | RUNNER   Received timer message (first boot)
ferit@ubuntu-dev-01:~$
```