

Install .net and upload to azure repository

Installing dotnet SDK

```
sudo apt-get update
```

```
sudo apt-get install dotnet-sdk-3.1
```

```
sudo snap install dotnet-sdk
```

```
keny@keny-virtual-machine:~$ sudo snap install dotnet-sdk
```

```
error: This revision of snap "dotnet-sdk" was published using classic
confinement and thus may perform arbitrary system changes outside of the
security sandbox that snaps are usually confined to, which may put your
system at risk.
```

If you understand and want to proceed repeat the command including
--classic.

```
keny@keny-virtual-machine:~$ sudo apt-get install dotnet-sdk-3.1
```

```
E: Could not get lock /var/lib/dpkg/lock-frontent - open (11: Resource temporarily unavailable)
```

```
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), is another process using
it?
```

```
wget https://packages.microsoft.com/config/ubuntu/20.04/packages-microsoft-prod.deb -O
```

```
packages-microsoft-prod.deb
```

```
sudo dpkg -i packages-microsoft-prod.deb
```

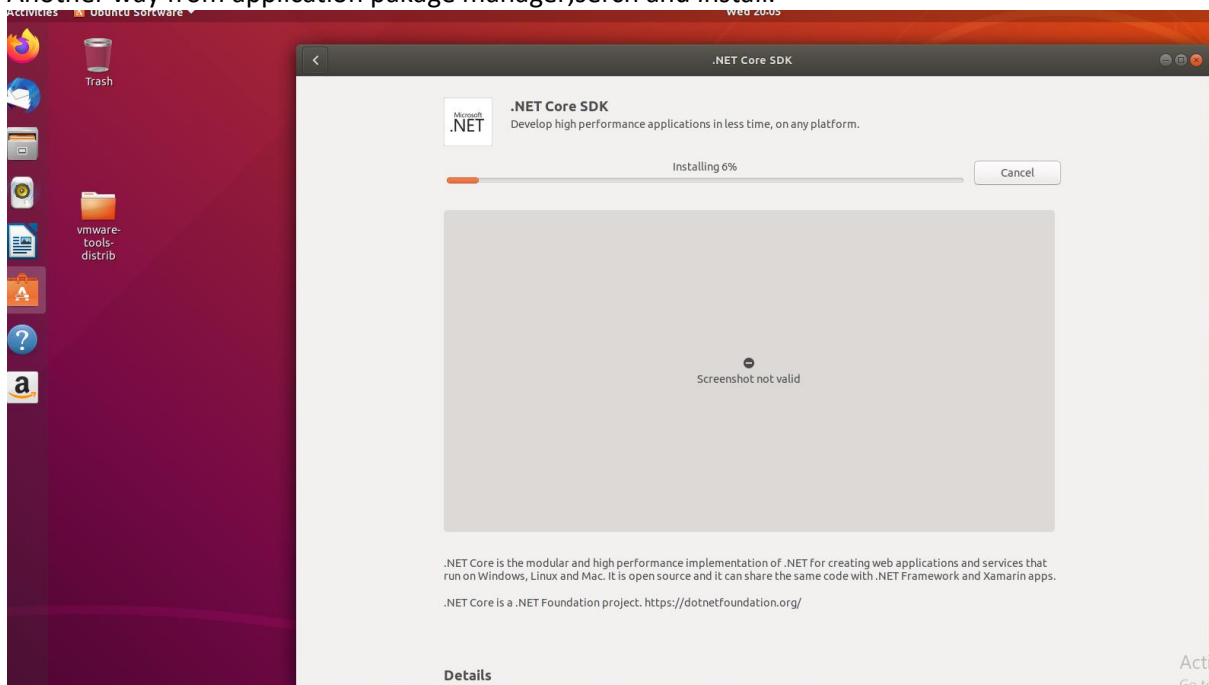
```
sudo apt-get update; \
```

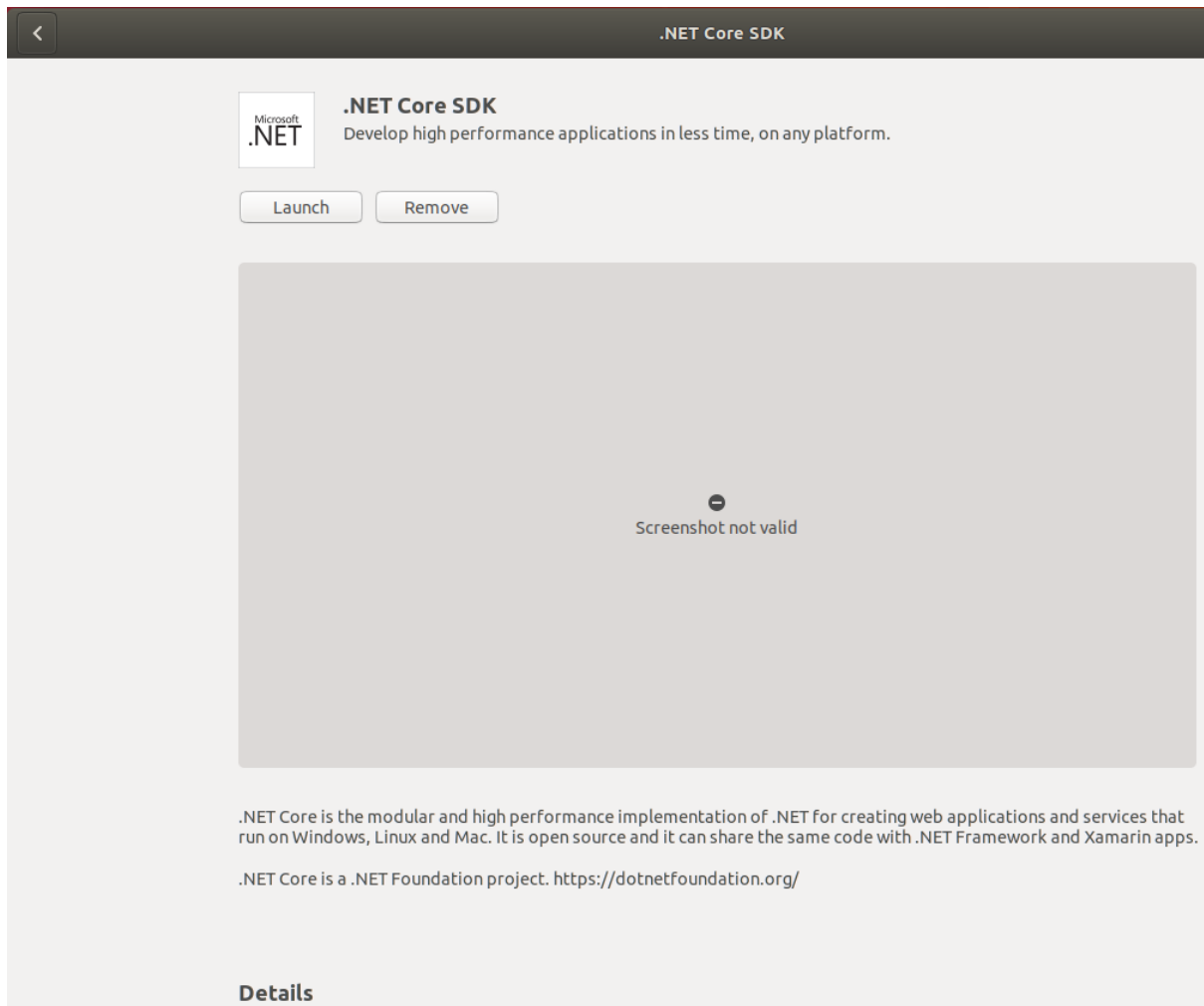
```
sudo apt-get install -y apt-transport-https && \
```

```
sudo apt-get update && \
```

```
sudo apt-get install -y dotnet-sdk-3.1
```

Another way from application package manager, search and install.





```
keny@keny-virtual-machine:~$ whereis dotnet
dotnet: /snap/bin/dotnet
```

Once the installations are over, create project. Create folder for the project.

```
keny@keny-virtual-machine:~$ mkdir kenywebapp
keny@keny-virtual-machine:~$ cd kenywebapp/
```

create dotnet project

```
-----
dotnet new sln -o KenyApp
cd KenyApp
dotnet new mvc -n KenyApp.web
dotnet sln KenyApp.sln add KenyApp.web\KenyApp.web.csproj
dotnet build --configuration release
dotnet publish --no-build --configuration release
```

```
keny@keny-virtual-machine:~/kenywebapp$ dotnet sln KenyApp.sln add
KenyApp.web\KenyApp.web.csproj
Could not find solution or directory `KenyApp.sln`.
Usage: dotnet sln <SLN_FILE> add [options] <PROJECT_PATH>
```

Arguments:

<SLN_FILE> The solution file to operate on. If not specified, the command will search the current directory for one.

<PROJECT_PATH> The paths to the projects to add to the solution.

Options:

--in-root Place project in root of the solution, rather than creating a solution folder.

-s, --solution-folder The destination solution folder path to add the projects to.

-h, --help Show command line help.

(Path:/home/eny/kenywebapp/KenyApp/KenyApp.web/KenyApp.web.csproj)

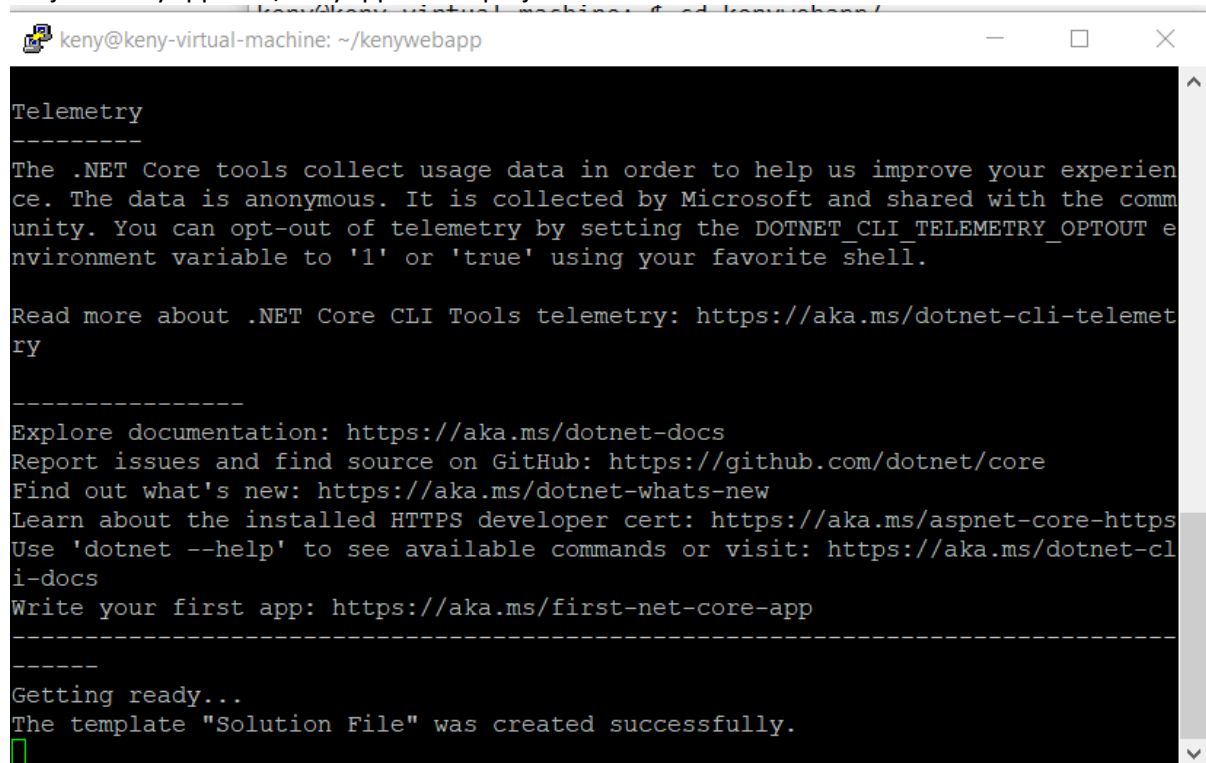
keny@keny-virtual-machine:~/kenywebapp/KenyApp\$ ls

KenyApp.sln KenyApp.web

keny@keny-virtual-machine:~/kenywebapp/KenyApp\$ dotnet sln KenyApp.sln add

KenyApp.web/KenyApp.web.csproj

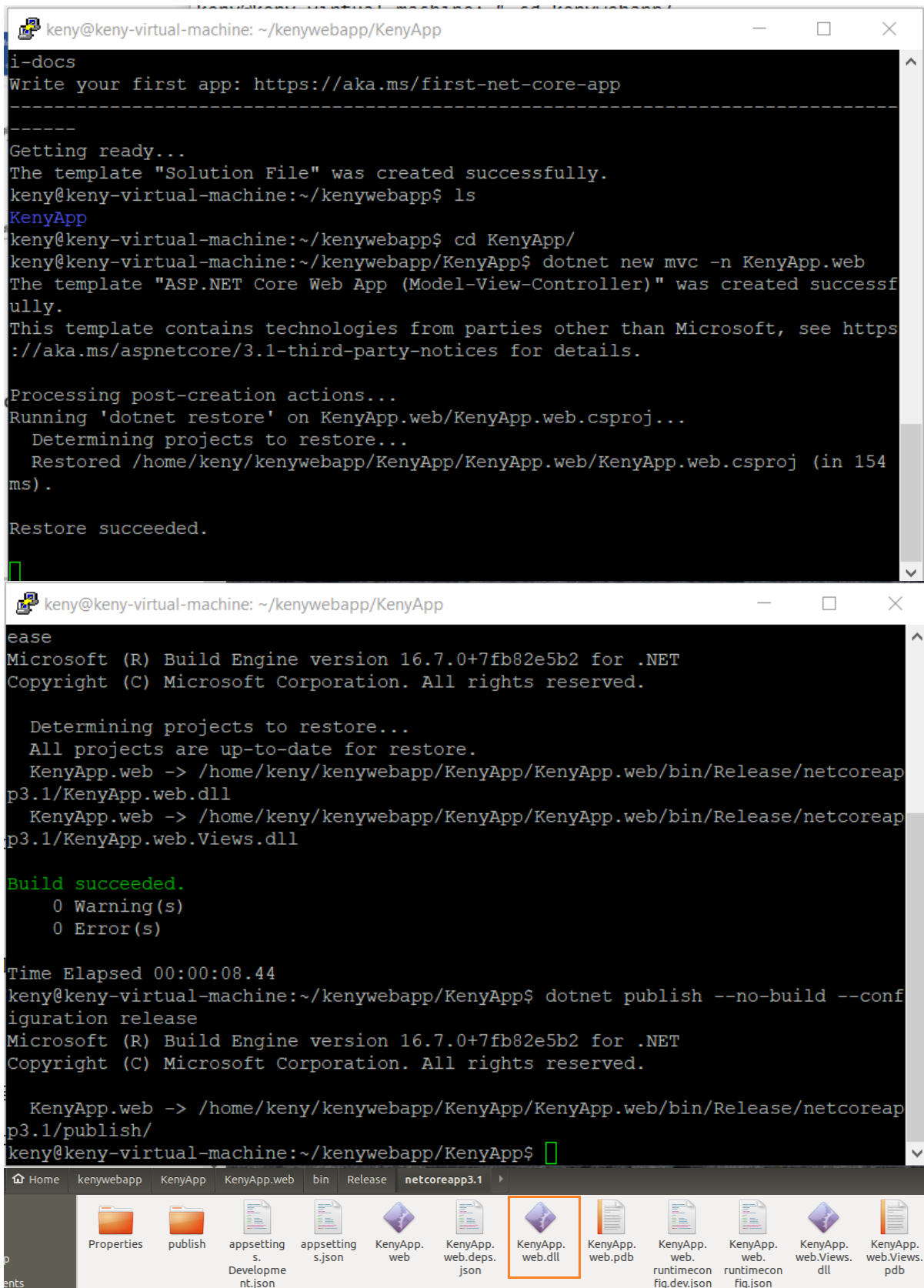
Project `KenyApp.web/KenyApp.web.csproj` added to the solution.



```
keny@keny-virtual-machine: ~/kenywebapp
Telemetry
-----
The .NET Core tools collect usage data in order to help us improve your experience. The data is anonymous. It is collected by Microsoft and shared with the community. You can opt-out of telemetry by setting the DOTNET_CLI_TELEMETRY_OPTOUT environment variable to '1' or 'true' using your favorite shell.

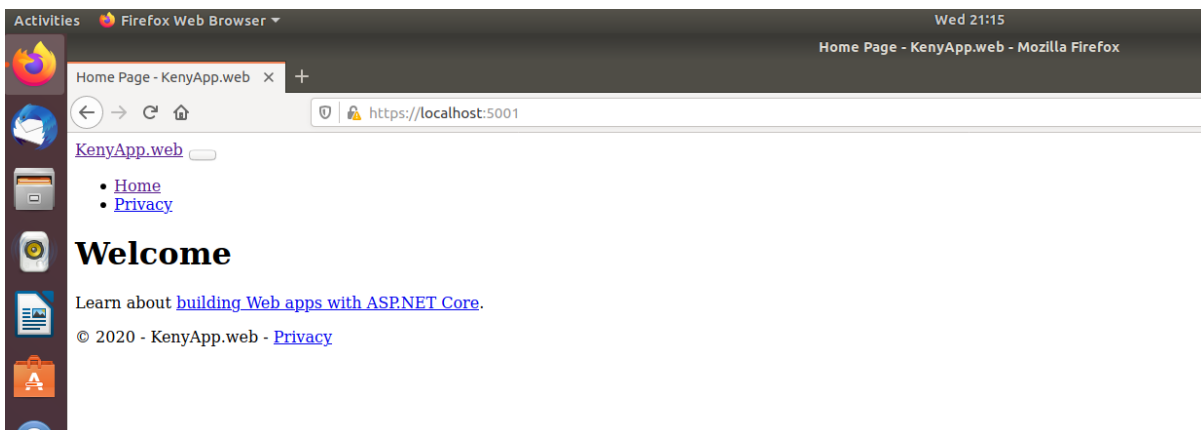
Read more about .NET Core CLI Tools telemetry: https://aka.ms/dotnet-cli-telemetry

-----
Explore documentation: https://aka.ms/dotnet-docs
Report issues and find source on GitHub: https://github.com/dotnet/core
Find out what's new: https://aka.ms/dotnet-whats-new
Learn about the installed HTTPS developer cert: https://aka.ms/aspnet-core-https
Use 'dotnet --help' to see available commands or visit: https://aka.ms/dotnet-cli-docs
Write your first app: https://aka.ms/first-net-core-app
-----
Getting ready...
The template "Solution File" was created successfully.
```



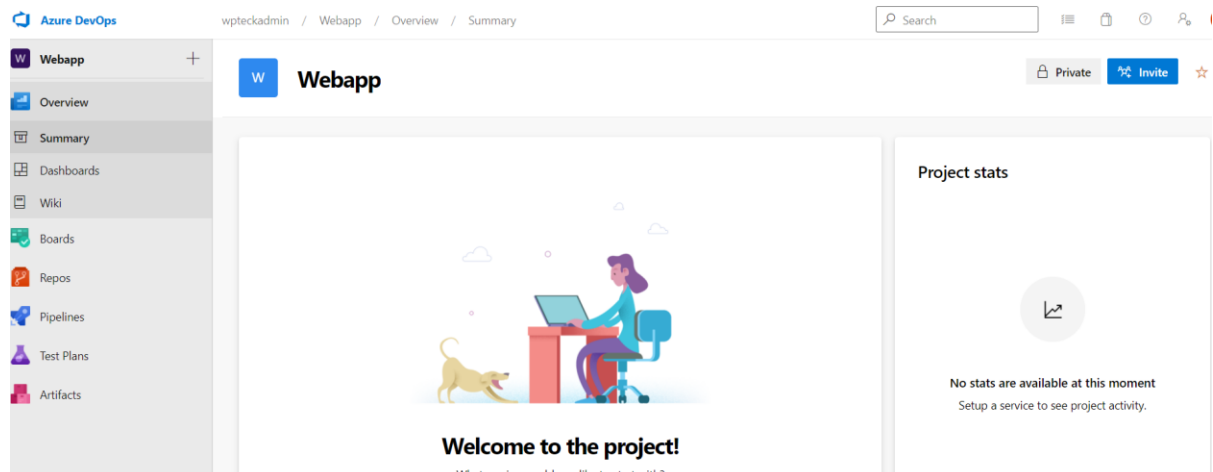
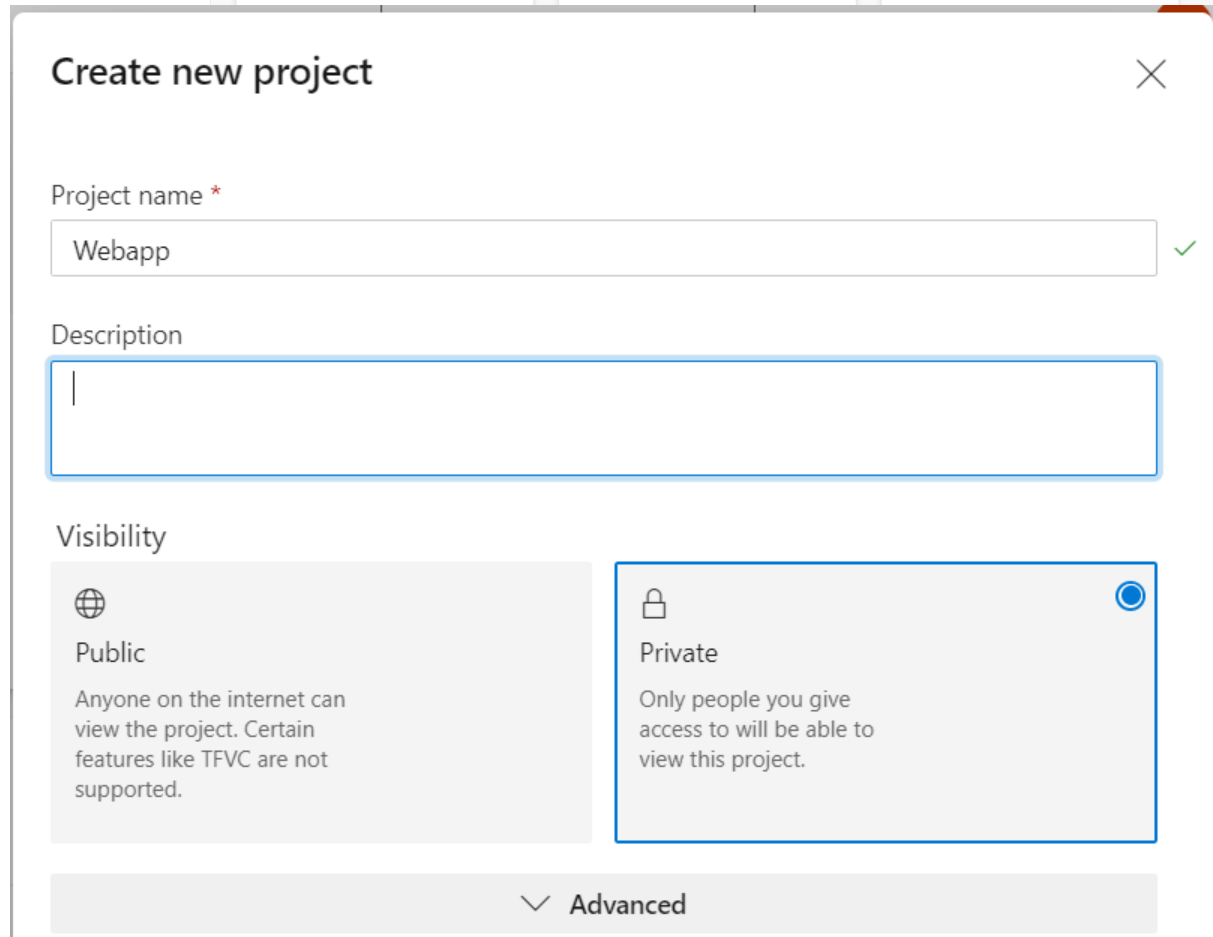
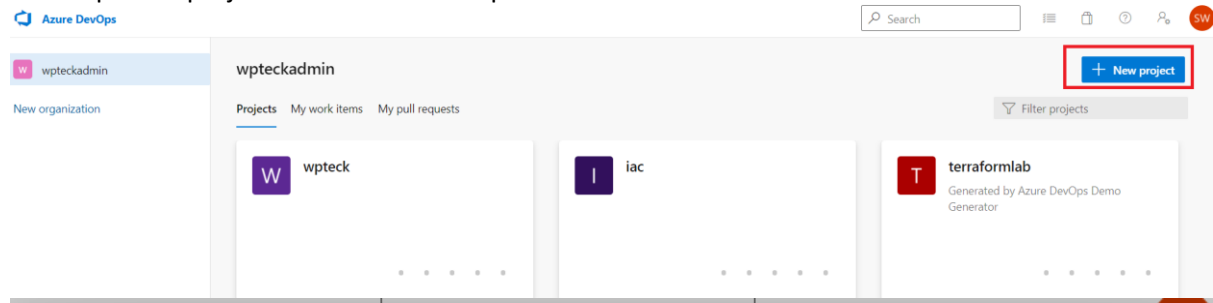
`dotnet KenyApp.web/bin/Release/netcoreapp3.1/KenyApp.web.dll`

```
keny@keny-virtual-machine: ~/kenywebapp/KenyApp
User profile is available. Using '/home/keny/.aspnet/DataProtection-Keys'
as key repository; keys will not be encrypted at rest.
info: Microsoft.AspNetCore.DataProtection.KeyManagement.XmlKeyManager[58]
      Creating key {25e87f63-6a25-408b-8870-e8f75edee91c} with creation date 202
0-10-21 15:43:02Z, activation date 2020-10-21 15:43:02Z, and expiration date 202
1-01-19 15:43:02Z.
warn: Microsoft.AspNetCore.DataProtection.KeyManagement.XmlKeyManager[35]
      No XML encryptor configured. Key {25e87f63-6a25-408b-8870-e8f75edee91c} ma
y be persisted to storage in unencrypted form.
info: Microsoft.AspNetCore.DataProtection.Repositories.FileSystemXmlRepository[3
9]
      Writing data to file '/home/keny/.aspnet/DataProtection-Keys/key-25e87f63-
6a25-408b-8870-e8f75edee91c.xml'.
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: http://localhost:5000
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: https://localhost:5001
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Production
info: Microsoft.Hosting.Lifetime[0]
      Content root path: /home/keny/kenywebapp/KenyApp
```



Once after publish it using command
dotnet publish --no-build --configuration release
This is our final web application builds to use by web server contents where the site hosting.
Contents will be in
/home/Keny/Kenywebapp/KenyApp/KenyApp.web/bin/Release/netcoreapp3.1/publish folder

Create private project under Azure devops



Azure DevOps

wpteckadmin / Webapp / Repos / Files / Webapp

Webapp

Overview

Boards

Repos

Files

Commits

Pushes

Branches

Tags

Pull requests

Pipelines

Test Plans

Artifacts

Webapp is empty. Add some code!

Clone to your computer

HTTPS SSH `https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Wi` OR

Generate Git Credentials

Having problems authenticating in Git? Be sure to get the latest version [Git for Windows](#) or our plugins for [IntelliJ](#), [Eclipse](#), [A](#)

Push an existing repository from command line

HTTPS SSH

```
git remote add origin
https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Webapp
```

Import a repository

Import

Getting a Git Repository and adding to local
We can obtain a Git repository in two ways:

Take a local directory that is currently not under version control, and turn it into a Git repository,
or

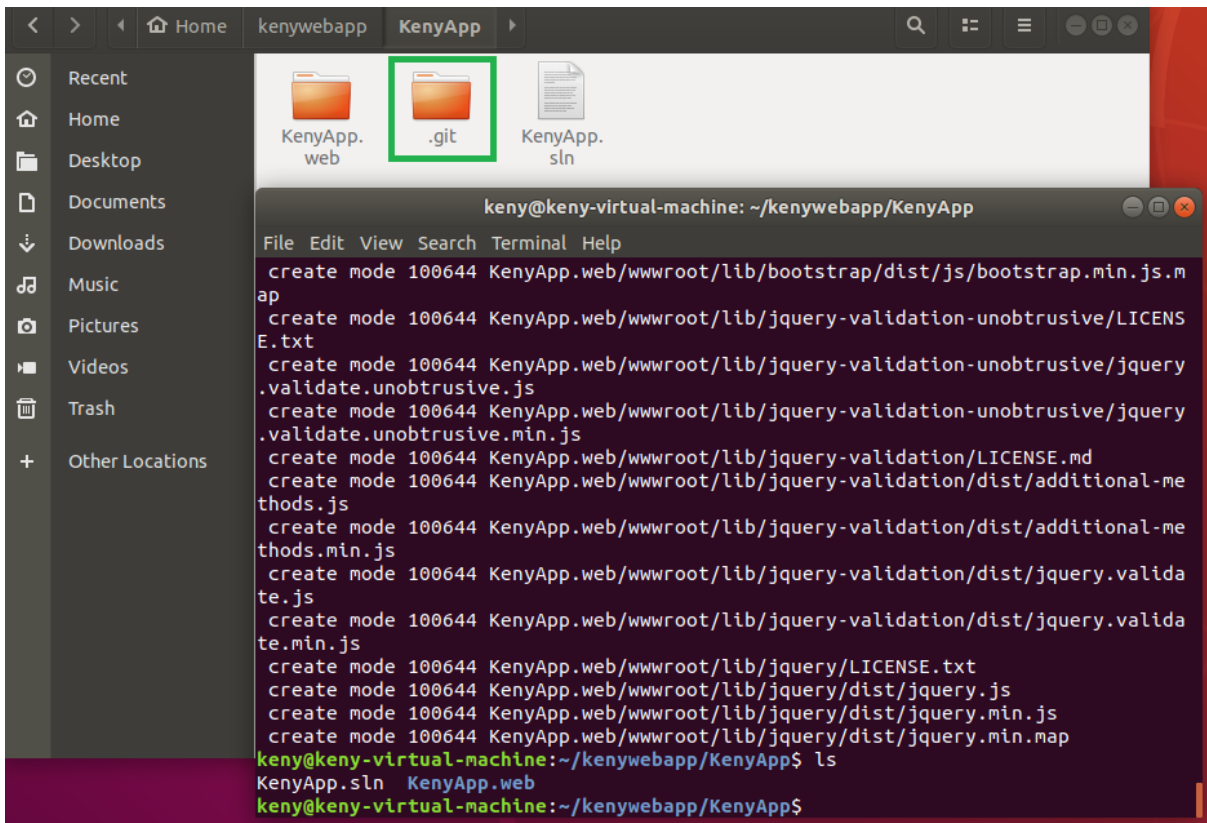
We can clone an existing Git repository from elsewhere.

Initializing a Repository in an Existing Directory

If you have a project directory that is currently not under version control and you want to start controlling it with Git, you first need to go to that project's directory.

for the directory is /home/Kenywebapp/Kenyapp

```
git init
git add .
git commit -m "Intial build tasks"
git config --global user.email "working@mailid"
git config --local -l
git status
git push origin master
```



git status


```
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git status
On branch master
nothing to commit, working tree clean
keny@keny-virtual-machine:~/kenywebapp/KenyApp$
```

Publish to Azure repo

Push an existing repository from command line

HTTPS SSH

```
git remote add origin
https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Webapp
```



```
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git remote add origin https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Webapp
fatal: remote origin already exists.
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git push -u origin --all
Password for 'https://wpteckadmin@dev.azure.com':
fatal: Authentication failed for 'https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Webapp/'
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git push -u origin --all
Password for 'https://wpteckadmin@dev.azure.com':
fatal: Authentication failed for 'https://wpteckadmin@dev.azure.com/wpteckadmin/Webapp/_git/Webapp/'
keny@keny-virtual-machine:~/kenywebapp/KenyApp$
```


Or

Webapp is empty. Add some code!

Clone to your computer

HTTPS SSH <https://wpteckadmin@dev.azure.com/wpteckadmin/kenywebapp/KenyApp>

Username *generate key*

sajteckwp2020

Password

t61... ..iquid ... yik... ..omkff...

Copy the password now. We don't store it and you won't be able to retrieve it.

Having problems authenticating in Git? Be sure to get the latest version of Git.

Push an existing repository from command line

HTTPS SSH

```
git remote add origin https://wpteckadmin@dev.azure.com/wpteckadmin/kenywebapp/_git/kenywebapp
git push -u origin --all
```

```
keny@keny-virtual-machine: ~/kenywebapp/KenyApp
File Edit View Search Terminal Help
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git add origin https://wpteckadmin@dev.azure.com/wpteckadmin/kenywebapp/_git/kenywebapp
fatal: remote origin already exists.
keny@keny-virtual-machine:~/kenywebapp/KenyApp$ git push -u origin --all
Password for 'https://wpteckadmin@dev.azure.com':
Counting objects: 123, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (105/105), done.
Writing objects: 100% (123/123), 821.57 KiB | 4.35 MiB/s, done.
Total 123 (delta 17), reused 0 (delta 0)
remote: Analyzing objects... (123/123) (313 ms)
remote: Storing packfile... done (88 ms)
remote: Storing index... done (35 ms)
remote: We noticed you're using an older version of Git. For the best experience, upgrade to a newer version.
To https://dev.azure.com/wpteckadmin/kenywebapp/_git/kenywebapp
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
keny@keny-virtual-machine:~/kenywebapp/KenyApp$
```

The screenshot shows the Azure DevOps interface for a repository named 'Webapp'. The left sidebar contains navigation options: Overview, Boards, Repos, Files, Commits, Pushes, Branches, Tags, Pull requests, Pipelines, Test Plans, and Artifacts. The main area displays the file explorer for the 'Webapp' repository, showing a tree structure with folders like 'bin', 'Controllers', 'Models', 'obj', 'Properties', 'Views', and 'wwwroot', and files like 'appsettings.Development.json', 'appsettings.json', 'KenyaApp.web.csproj', 'C# Program.cs', 'C# Startup.cs', and 'KenyaApp.sln'. A table in the center shows the contents of the repository:

Name	Last change	Commits
KenyaApp.web	30m ago	b2aae203 Initial build tasks kenya
KenyaApp.sln	30m ago	b2aae203 Initial build tasks kenya