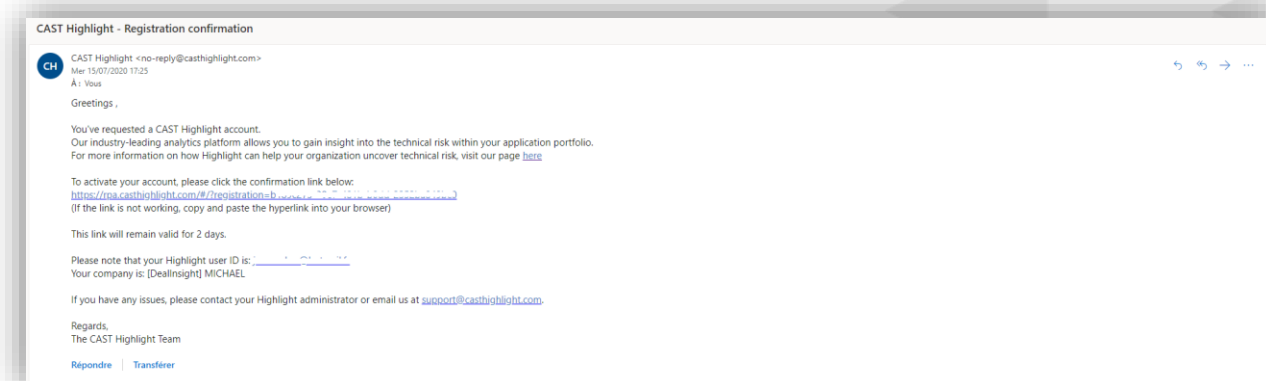


Getting Started with CAST DealInsight™ App Scans

This document is the Getting Started Guide for CAST Deallnsight™ and explains how to scan an application. For any questions or guidance, don't hesitate to contact us at dealinsight@casthighlight.com

1. Activate your user account

Shortly after your order submission, you will receive an e-mail from “CAST Highlight” with the following subject: “CAST Highlight – Registration confirmation”. Click on the activation link in this message and create your password. Your login will be your email address. Once this is done, your account is active and you do not need to login on this page as it is the login page for CAST Highlight (which powers CAST Deallnsight). You will be able to log in and use CAST Deallnsight from <https://dealinsight.casthighlight.com> by clicking on the lock icon in the upper right on the web page, then enter your credentials.



2. Create App

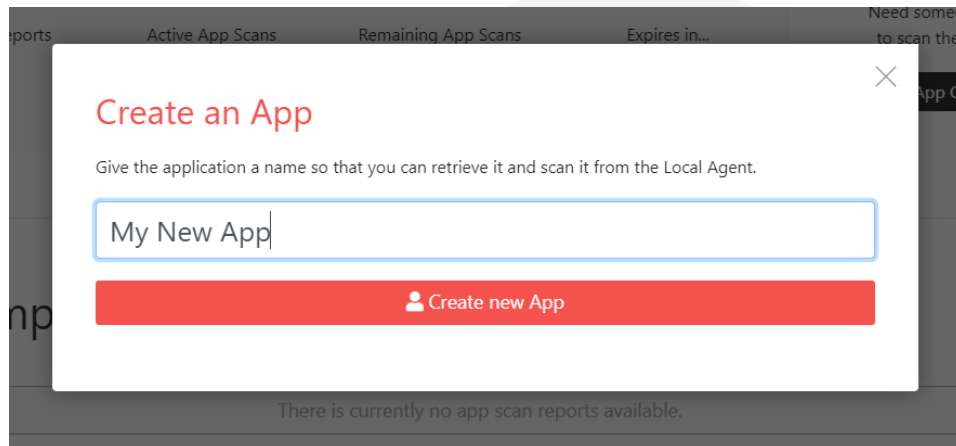
Login to CAST Deallnsight from <https://dealinsight.casthighlight.com> by clicking on the lock icon in the upper right on the web page, then enter your credentials.

The first step is to create your application by clicking on the “Create an App” button:

 Complete App Scan Reports [Create an App](#)

There is currently no app scan reports available.

In the popup window, type a name for the application and click the “Create new App” button.

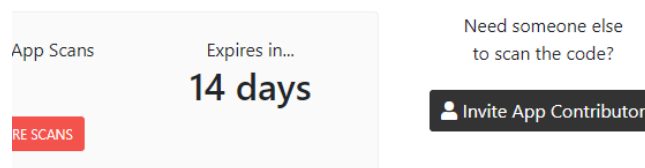


You are now ready to scan this application with the CAST Deallnsight code analyzer.

3. Invite an App Contributor (optional)

If you will be scanning the application source code directly, then you can skip this step and go to step 4. However, in some scenarios, you may not have direct access to the application source code and will need another individual to perform the code analysis. While you may share your credentials if you are ok with allowing this other individual to see the analysis results, another option is to generate specialized CAST Deallnsight™ credentials which will allow this individual to analyze code without access to results.

Click on the “Invite App Contributor” button and enter the App Contributor’s email address in the popup window.



Then click on the “Generate App Contributor credentials” button. This user will receive a welcome email with instructions on how to analyze the source code for the application.

NOTE: It is recommended you give the App Contributor an advance notice to expect this email and indicate the name of the application you created in Step 2. This is especially important if you have created more than one app and you want to make sure they contribute to the correct app.

Windows Instructions:

(for MacOS specific instructions, see section below)

4. Download & Install Docker Desktop

The CAST Deallnsight™ code analyzer runs as a container within Docker. First, you must install Docker. To install Docker on your computer, go to <https://www.docker.com/products/docker-desktop> and download Docker Desktop for Windows (MacOS and Linux are also supported).

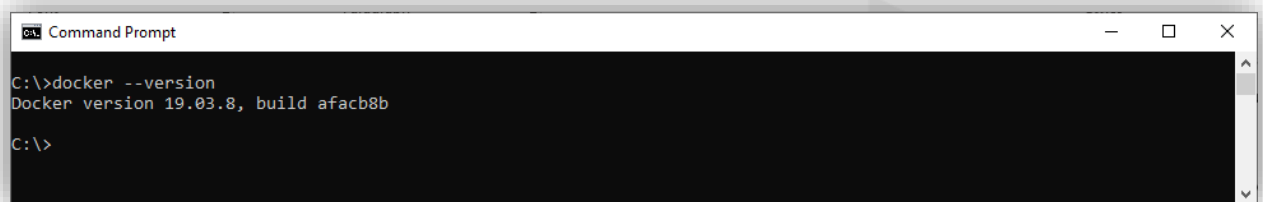
Run the Docker installer and follow installation instructions. You might need to restart your computer to finalize the installation. A video tutorial of the whole installation and scan process is [available here](#).

Once Docker is installed on your machine, open a command prompt (on Windows, click on the Windows icon and type 'cmd'), and run the command line below:

```
docker --version
```

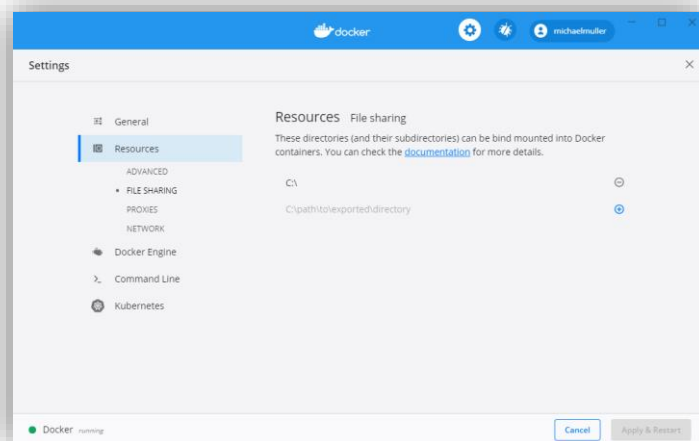
If the Docker installation was successful, this should return the version number of your Docker installation.

E.g. Docker version 19.03.8, build afacb8b

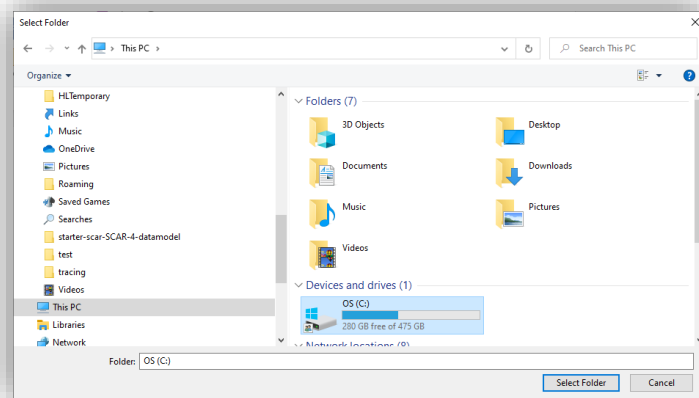


```
Command Prompt
C:\>docker --version
Docker version 19.03.8, build afacb8b
C:\>
```

As the CAST Deallnsight™ Agent will need to access your local drive (e.g. C:\) to scan source code, launch Docker Desktop and check the file sharing setting is active in your Docker installation (Docker > Settings > Resources > File Sharing) as shown in the screenshot below.



If that is not the case, you can simply click on the '+' blue icon and select your local drive.



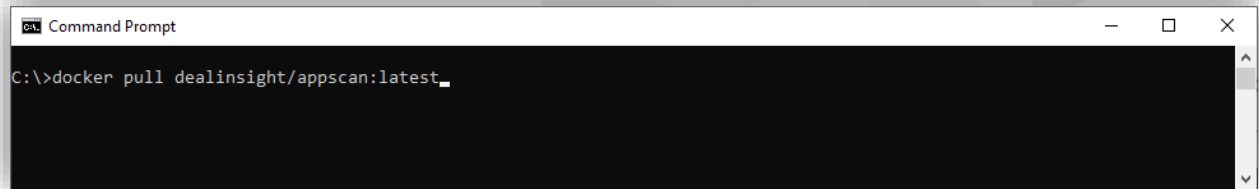
Note: if you receive a message that Docker cannot launch due to insufficient memory, try closing other applications and launching Docker again.

5. Get and run CAST Deallnsight™ Docker container (code analyzer)

The CAST Deallnsight™ code analyzer runs as a container inside of Docker and it must first be downloaded before running it inside of Docker. Make sure Docker is running before continuing. If you receive a message that Docker cannot launch due to insufficient memory, try closing other applications and launching Docker again.

From a command line prompt, run this command to download the latest version of the CAST Deallnsight™ Docker image on your computer:

```
docker pull dealinsight/appscan:latest
```

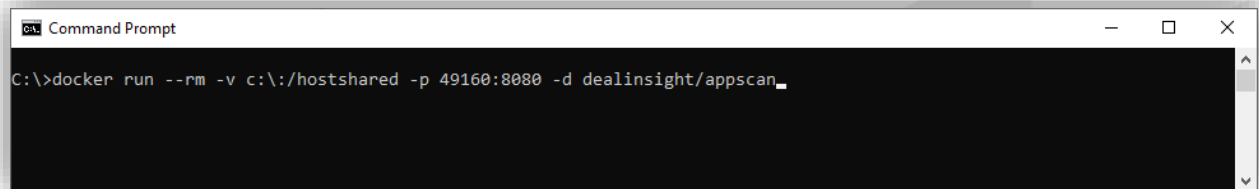


```

C:\>docker pull dealinsight/appscan:latest_
  
```

Once the download is complete, simply execute the command below to run the CAST Deallnsight™ code analyzer as a container:

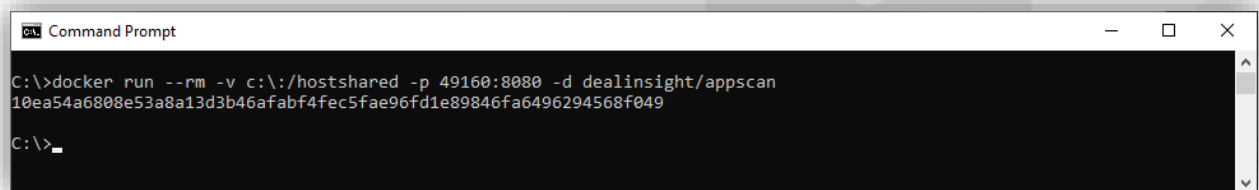
```
docker run --rm -v c:\:/hostshared -p 49160:8080 -d dealinsight/appscan
```



```

C:\>docker run --rm -v c:\:/hostshared -p 49160:8080 -d dealinsight/appscan_
  
```

If the container is correctly started, the command should return a container identifier like the example below:



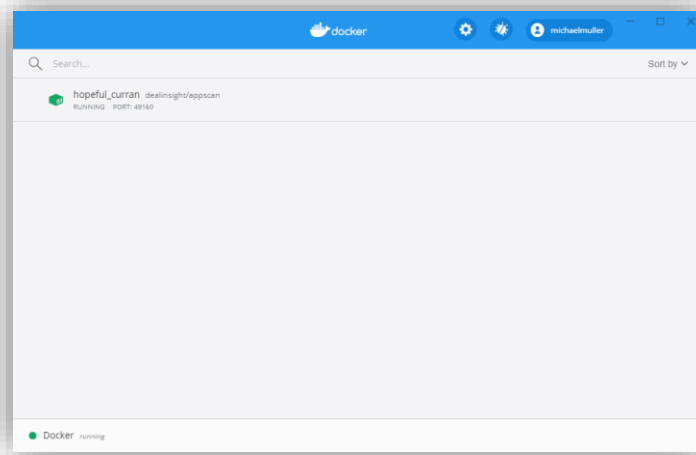
```

C:\>docker run --rm -v c:\:/hostshared -p 49160:8080 -d dealinsight/appscan
10ea54a6808e53a8a13d3b46afabf4fec5fae96fd1e89846fa6496294568f049
C:\>_
  
```

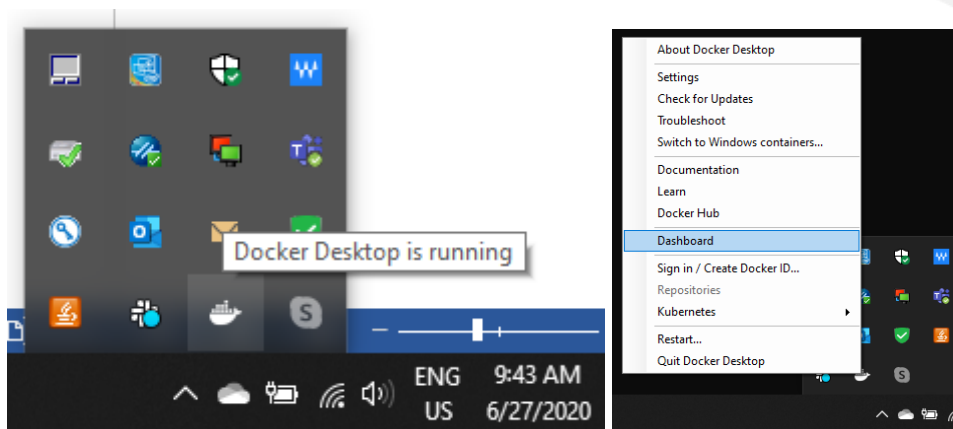
Note: for better performance and experience, we recommend you close other applications prior to running the CAST Deallnsight™ container.

6. Launch the CAST Deallnsight™ Code Analyzer

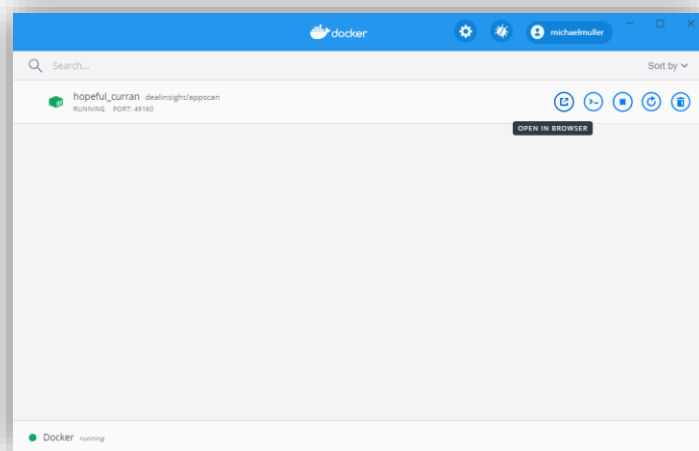
From Docker Desktop, you can now see the Deallnsight™ container running.



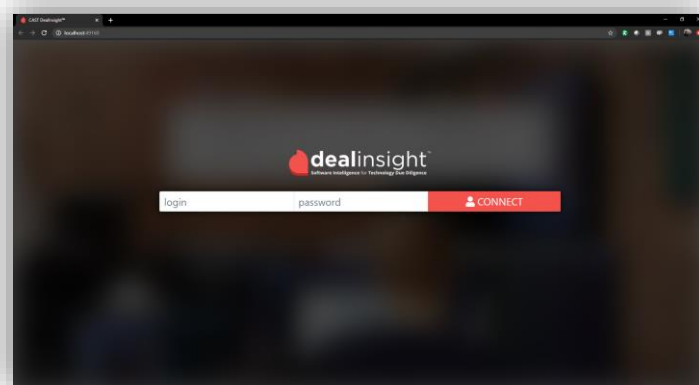
Note: If the Docker Desktop is minimized, you can open it by clicking on the tray icon, then click on “Dashboard”.



From the Docker Desktop, you should see the DealInsight™ container running as shown in the screenshot below. From here, click on the diagonal arrow to open the DealInsight™ code analyzer in your browser (Google Chrome is preferred).

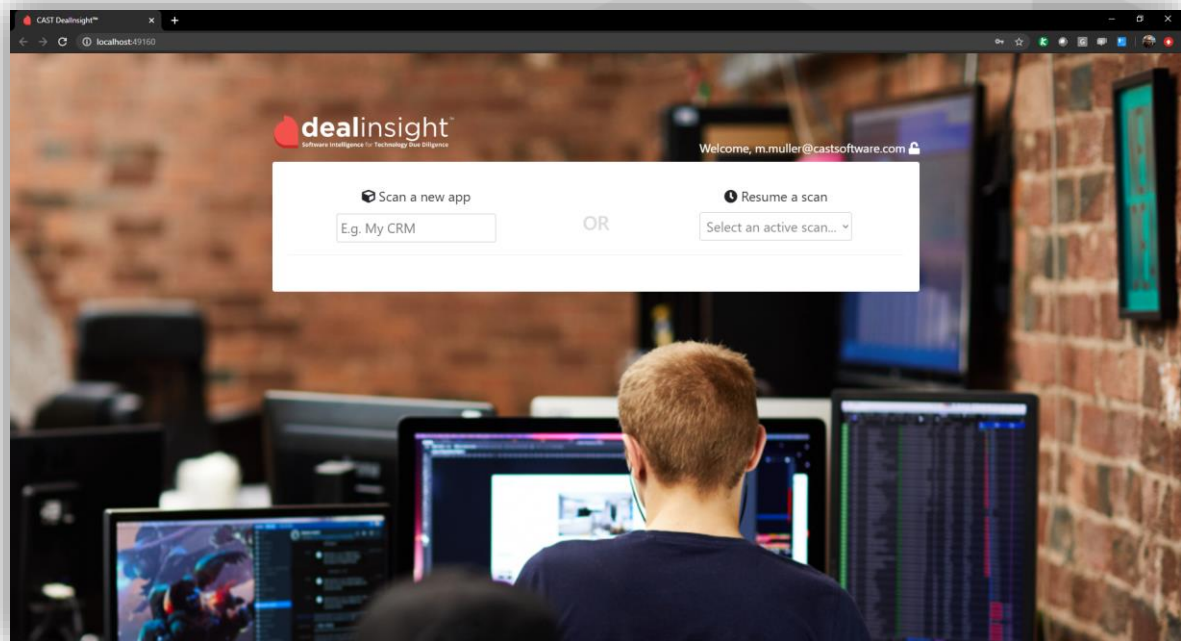


You should get to this login page.



Enter your DealInsight™ credentials and start scanning your application source code. You are now ready to scan your app.

7. Scan your app




It is now time to scan your application code base:


- If you want to create and scan a new app, type its name in the box on the left and click on the button “Create the app and scan”.
- If you want to scan an active app that was previously created, select it from the list in the drop-down on the right side.

IMPORTANT NOTE: Make sure you select the correct folder for your scan. Once you proceed from this point, you will use up your app scan for this application.


Click on Browse Folders to select the folder where the source code of the application is located. You can refer to [this article](#) to determine what is the folder you should scan and how to prepare it for the most accurate results possible.

 Scan a new app

OR

 Resume a scan


Create the app and scan


 Select the app source folder


Browse Folders

This is where the source code of the app/product is located

Click on the button “Scan this folder”.

 dealinsight™
Software Intelligence for Technology Due Diligence

Welcome, m.muller@castsoftware.com 

 Select the app source folder

Browse Folders

This is where the source code of the app/product is located

ProgramData

Recovery

UseCase-20170516


Users

Windows

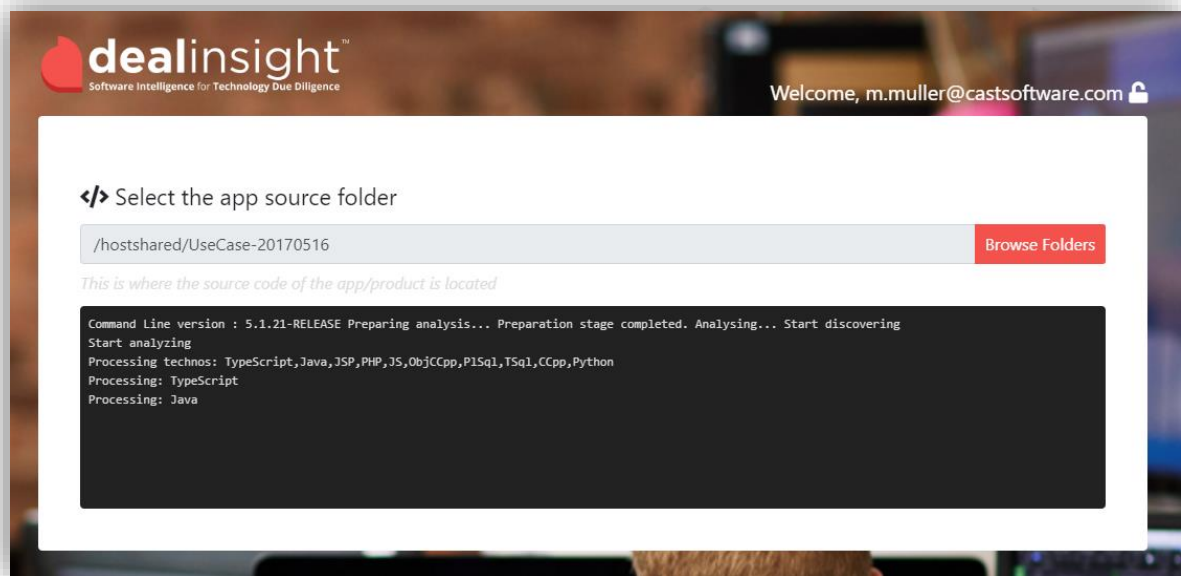
WindowsDockerCLI

apache-ant-1.10.7

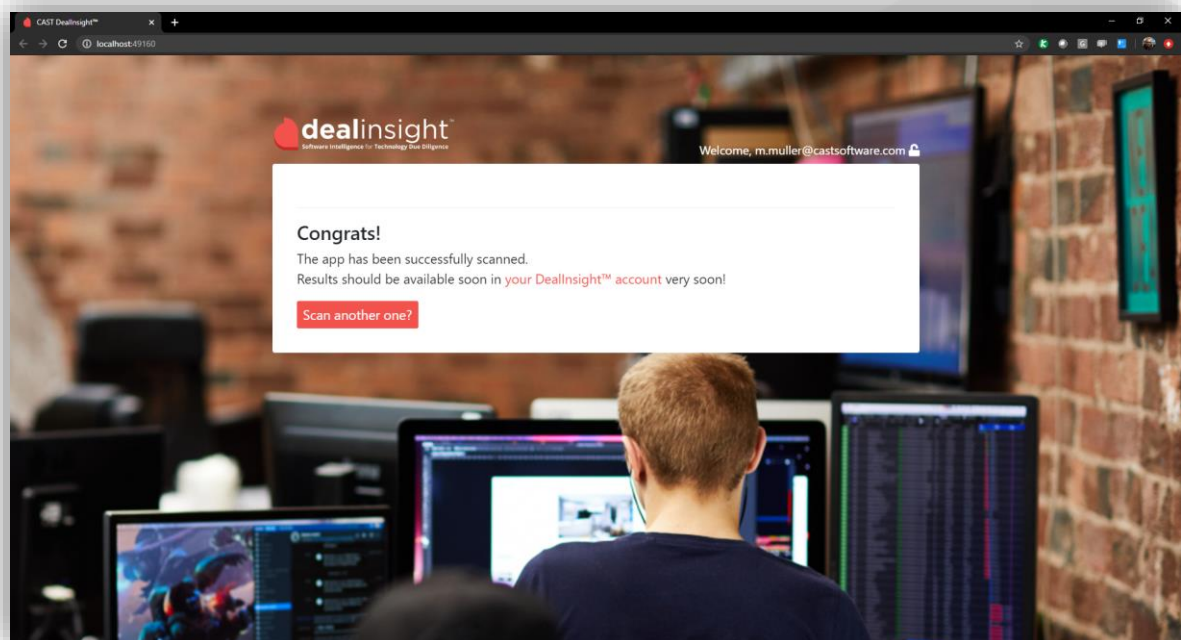
carlAgent

 Scan this folder

The scan starts. Depending on the size of your application (number of files to be scanned), this step can last from a few seconds to an hour for very large apps with over a million lines of code.



The different scan steps and operations are detailed in the console window. When the scan is complete, you should get the message below.



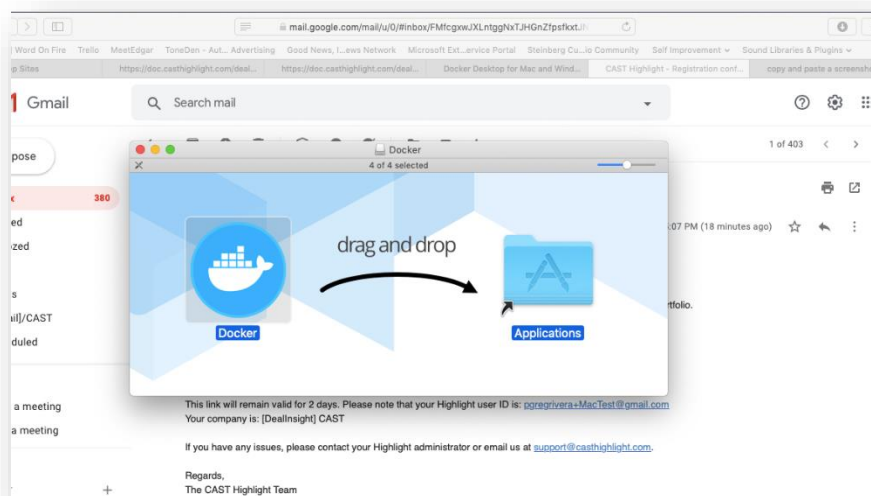
That is it! Now, sign in to DealInsight™ at <https://dealinsight.casthighlight.com> to visualize your scan results.

MacOS Instructions:

2. Download & Install Docker Desktop

The CAST DealInsight™ code analyzer runs as a container within Docker. First, you must install Docker. To install Docker on your computer, go to <https://www.docker.com/products/docker-desktop> and download Docker Desktop for MacOS.

Run the Docker installer and follow installation instructions.



Once Docker is installed on your machine, run the Mac “Terminal” application to get a command prompt. (This application is often found in the Utilities section of Mac OS applications).

Then run this command:

```
docker --version
```

If the Docker installation was successful, this should return the version number of your Docker installation.

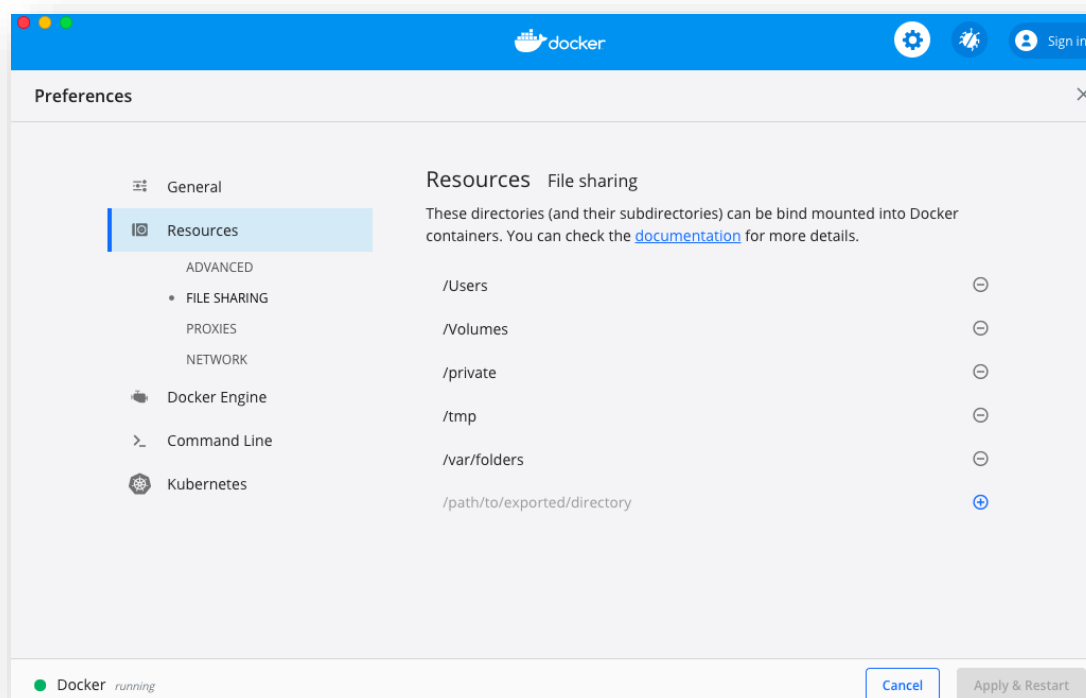
E.g. Docker version 19.03.8, build afacb8b

```

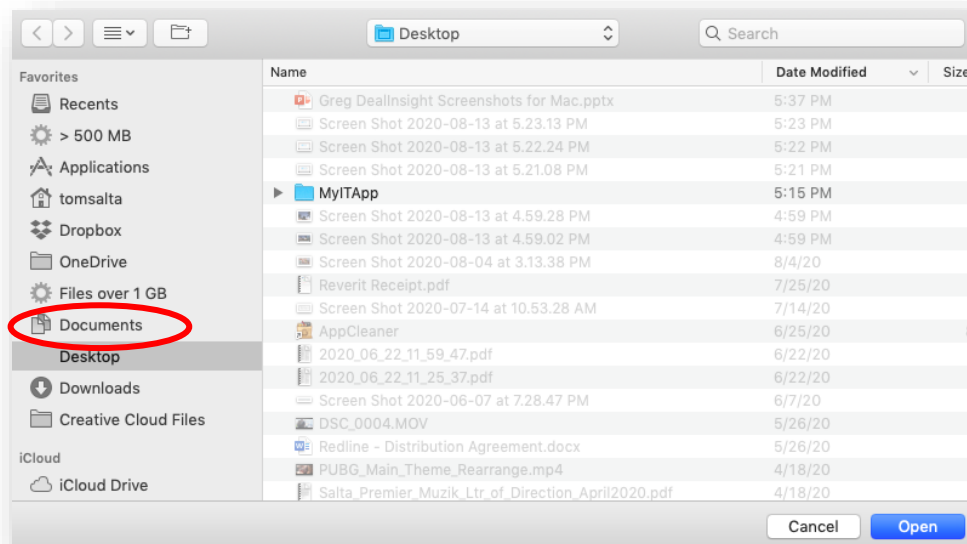
-- -bash -- 80x24
Last login: Sun Aug  9 12:15:43 on console
MacOSUsers-MacBook-Air-2:~user$ docker --version
Docker version 19.03.12, build 48a66213fe
MacOSUsers-MacBook-Air-2:~user$

```

As the CAST DealInsight™ Agent will need to access your local drive (e.g. /Documents) to scan source code, launch Docker Desktop and check the file sharing setting is active in your Docker installation (Docker > Settings > Resources > File Sharing) as shown in the screenshot below.



Make sure the folder location of your source code to be scanned is included in this file sharing list. If that is not the case, you can simply click on the '+' blue icon and add the folder (e.g., add the /Documents folder since it is not listed in the example above).

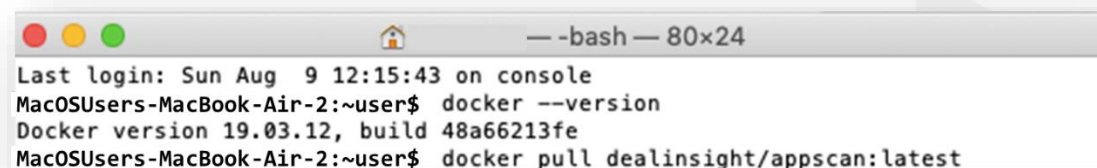


3. Get and run CAST DealInsight™ Docker container (code analyzer)

The CAST DealInsight™ code analyzer runs as a container inside of Docker and it must first be downloaded before running it inside of Docker. Make sure Docker is running before continuing.

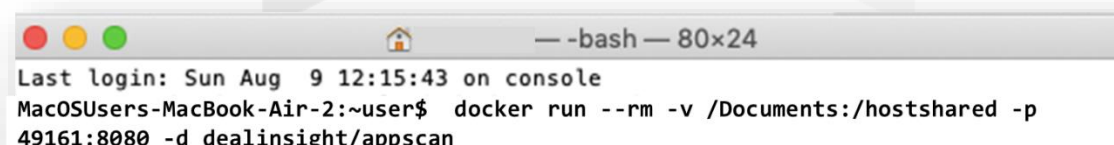
From a Terminal command line prompt, run this command to download the latest version of the CAST DealInsight™ Docker image on your computer:

```
docker pull dealinsight/appscan:latest
```



Once the download is complete, simply execute the command below to run the CAST DealInsight™ code analyzer as a container:

```
docker run --rm -v /Documents:/hostshared -p 49161:8080 -d dealinsight/appscan
```



Note: replace “/Documents” in this command with the folder that contains the source code to be scanned.

If the container is correctly started, the command should return a container identifier like the example below:

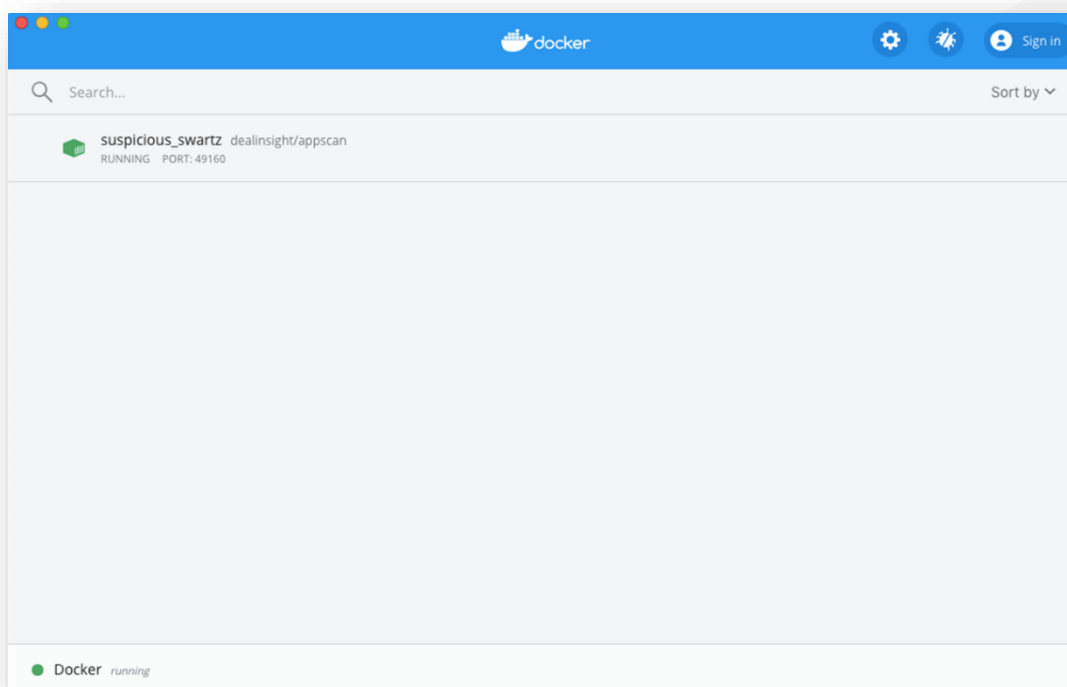
```

Last login: Sun Aug  9 12:15:43 on console
MacOSUsers-MacBook-Air-2:~user$ docker run --rm -v /Documents:/hostshared -p 49161:8080 -d dealinsight/appscan
d66b797d89e1c1e28d9df95938000c0d2d89cdbc7164431324c794dedeaf5654

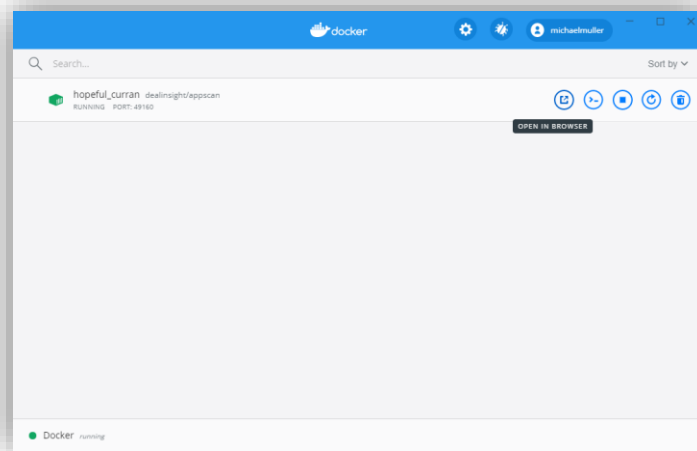
```

4. Launch the CAST DealInsight™ Code Analyzer

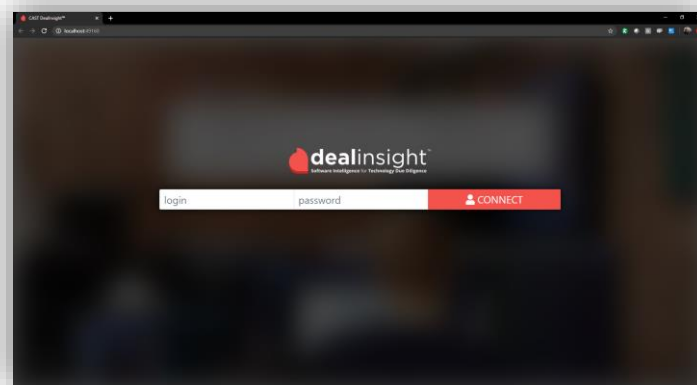
From Docker Desktop, you can now see the DealInsight™ container running.



From the Docker Desktop, you should see the DealInsight™ container running as shown in the screenshot below. From here, click on the diagonal arrow to open the DealInsight™ code analyzer in your browser (Google Chrome is preferred).

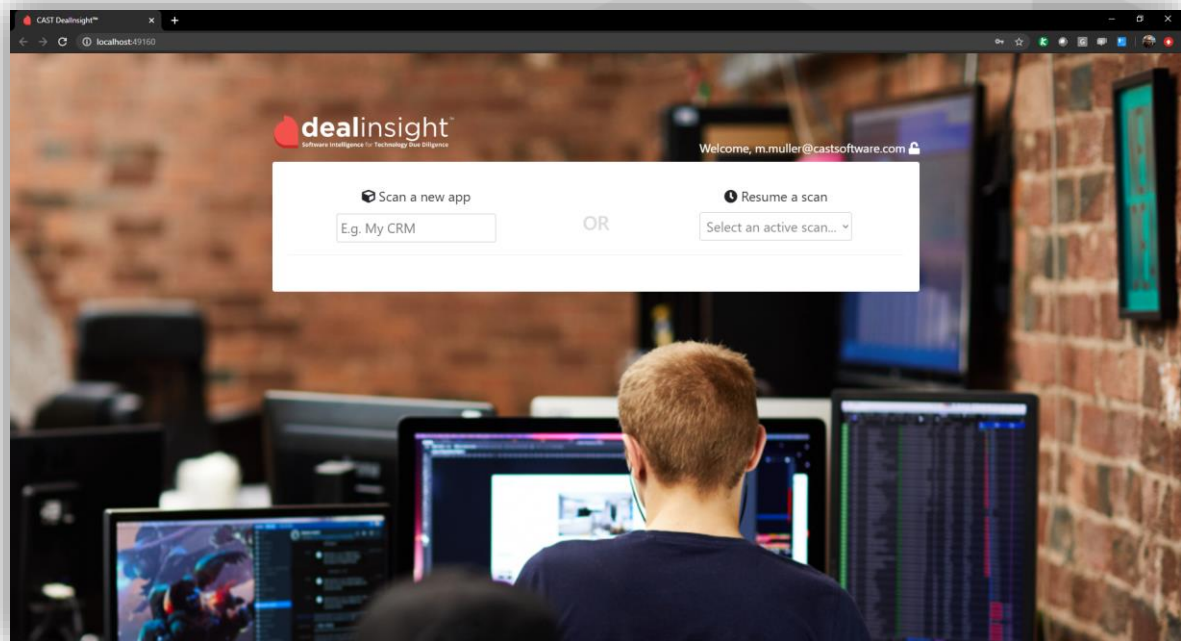


You should get to this login page.



Enter your DealInsight™ credentials and start scanning your application source code. You are now ready to scan your app.

5. Scan your app




It is now time to scan your application code base:


- If you want to create and scan a new app, type its name in the box on the left and click on the button “Create the app and scan”.
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IMPORTANT NOTE: Make sure you select the correct folder for your scan. Once you proceed from this point, you will use up your app scan for this application.

Click on Browse Folders to select the folder where the source code of the application is located. You can refer to [this article](#) to determine what is the folder you should scan and how to prepare it for the most accurate results possible.

 Scan a new app

OR

 Resume a scan

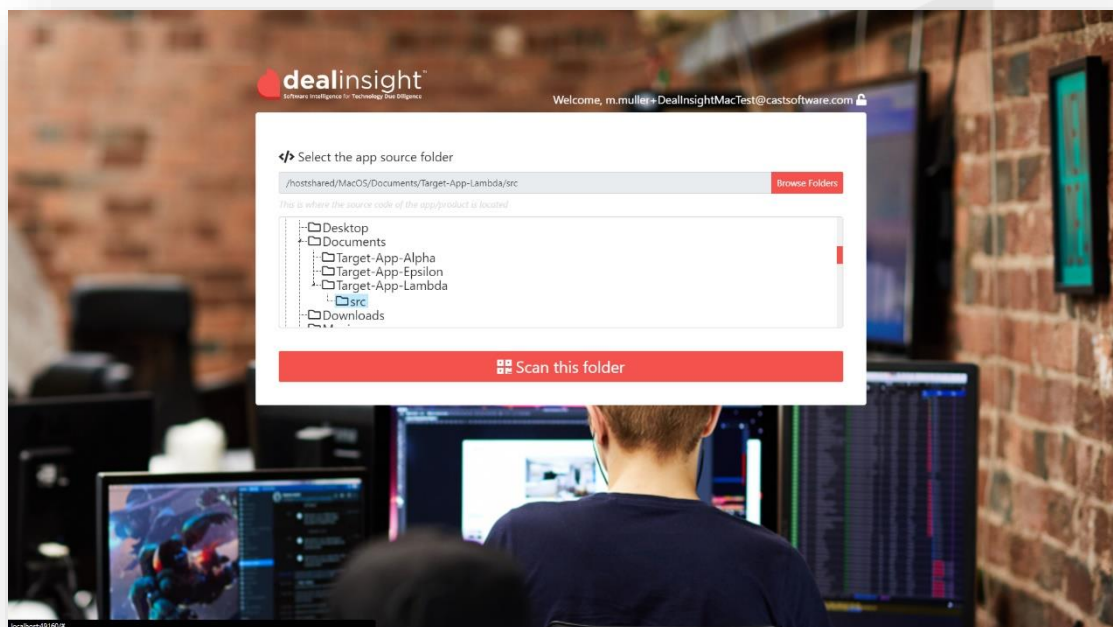
Create the app and scan

</> Select the app source folder

E.g. C:\temp\ProjectCentaurus\MyCRM\src

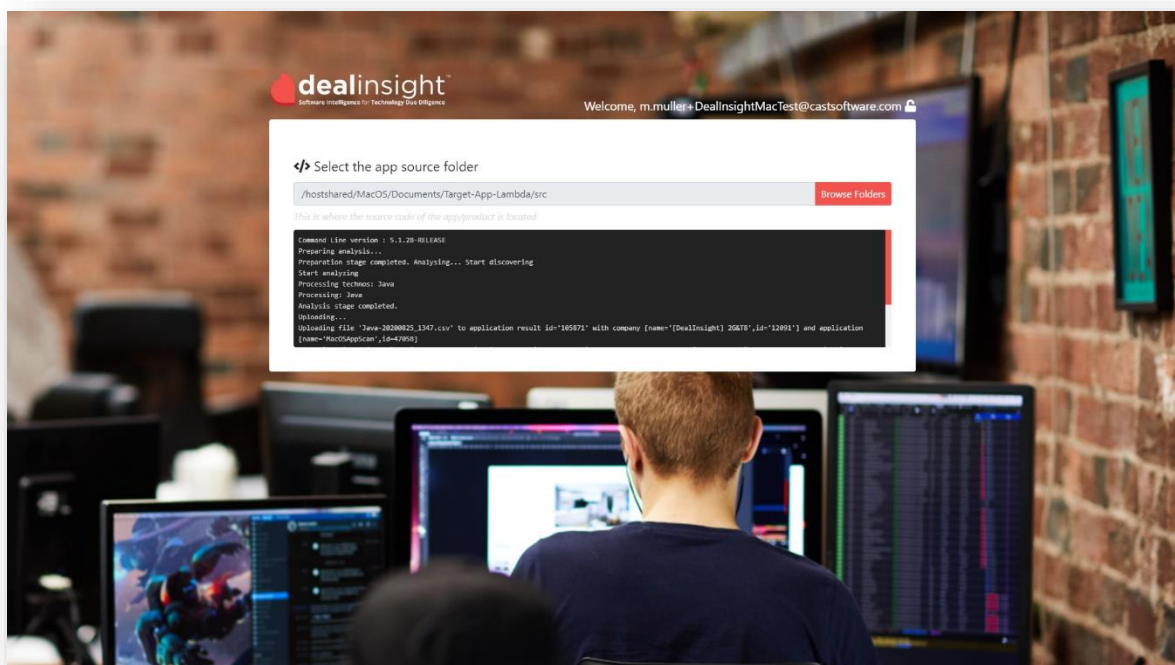
Browse Folders

This is where the source code of the app/product is located

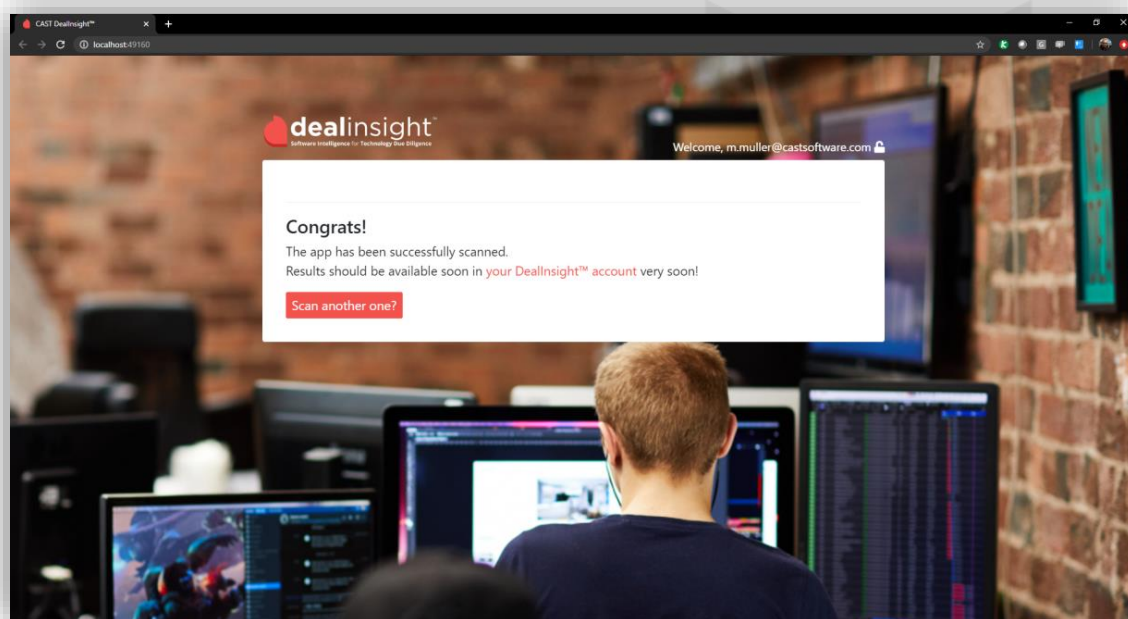


Click on the button “Scan this folder”.

The scan starts. Depending on the size of your application (number of files to be scanned), this step can last from a few seconds to an hour for very large apps with over a million lines of code.



The different scan steps and operations are detailed in the console window. When the scan is complete, you should get the message below.



That is it! Now, sign in to DealInsight™ at <https://dealinsight.casthighlight.com> to visualize your scan results.