

Annotate Images:

Step1:

- Create a **New Project** and call it `Annotations`.
- It is highly recommended to use `Annotations` as your project name.
- If you like to use a different name for your project, you will have to modify the command line arguments of subsequent scripts accordingly.

Step2:

- Under **Source Connection** choose **Add Connection** and put `Images` as **Display Name**. Under **Provider** choose **Local File System** and select [`yolo_structure/Data/Source_Images/Training_Images``](/Data/Source_Images/Training_Images) and then **Save Connection**.
- For **Target Connection** choose the same folder as for **Source Connection**.
- And Tags of diseases. Hit **Save Project** to finish project creation.

Step-3:

Navigate to **Export Settings** in the sidebar and then change the **Provider** to `Comma Separated Values (CSV)`, then hit **Save Export Settings**.

Step 4:

First, create a new tag on the right and give it a relevant tag name. In our example, we choose `Rosacea, psoriasis, melanoma`. Then draw bounding boxes around your objects for respective diseases.

Step 5:

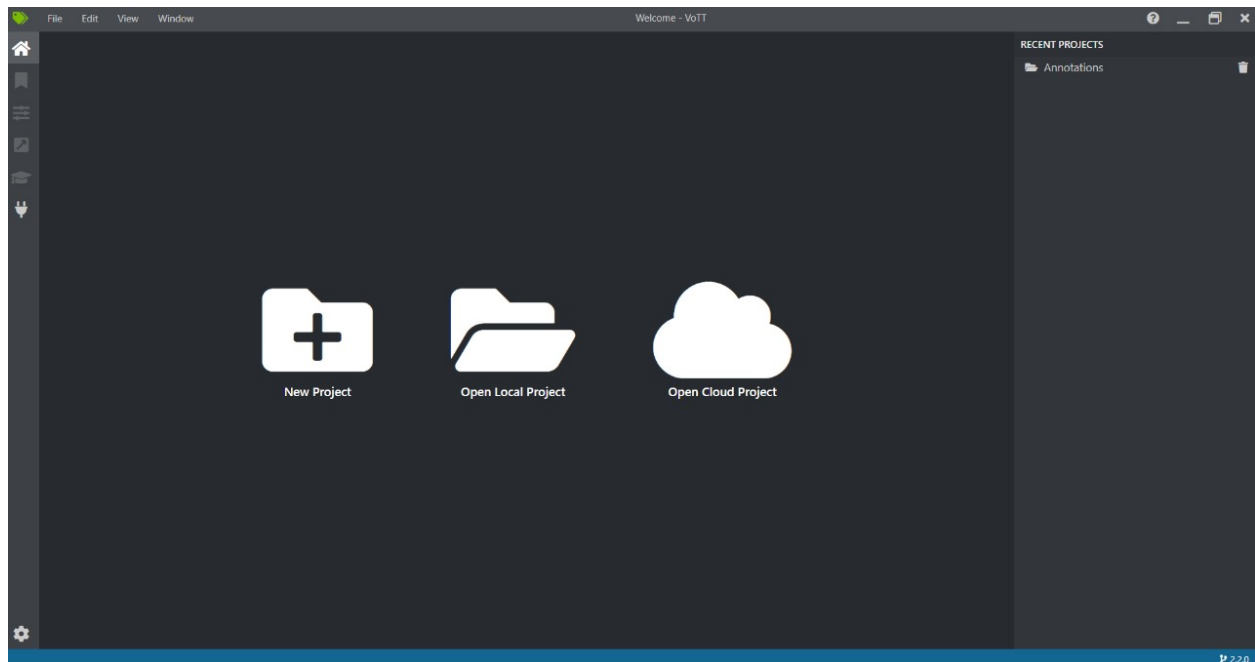
Once you have labeled enough images press **CRTL+E** to export the project. You should now see a folder called

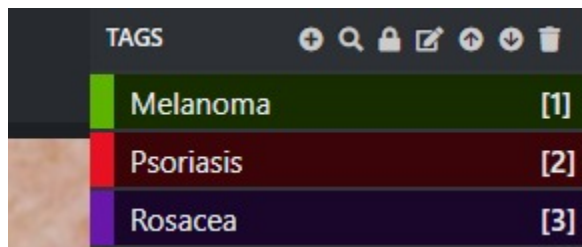
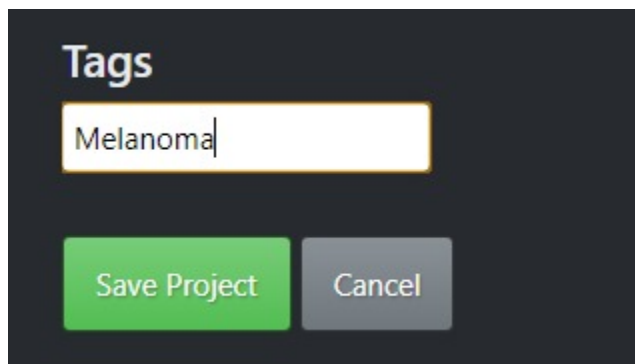
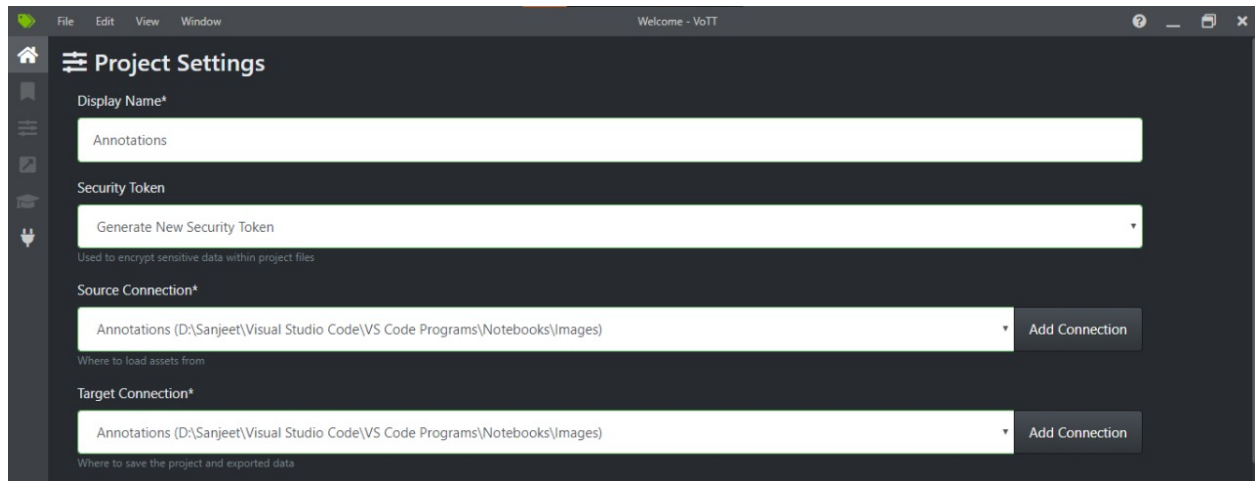
[`vott-csv-export``](/Data/Source_Images/Training_Images/vott-csv-export) in the [`Training_Images``](/Data/Source_Images/Training_Images) directory. Within that folder, you should see a `*.csv`` file called

[`Annotations-export.csv``](/Data/Source_Images/Training_Images/vott-csv-export/Annotations-export.csv) which contains file names and bounding box coordinates.

Step 6:

- As a final step, convert the VoTT csv format to the YOLOv3 format. To do so, run the conversion script from within the [`yolo_structure/1_Image_Annotation`] folder.
- To run file open anaconda prompt navigate to yolostructure/1_Image_Annotation and run Convert_to_YOLO_format.py
- The script generates two output files:
[`data_train.txt`](/Data/Source_Images/Training_Images/vott-csv-export/data_train.txt) located in the
[`yolo_structure/Data/Source_Images/Training_Images/vott-csv-export`](/Data/Source_Images/Training_Images/vott-csv-export) folder and
[`data_classes.txt`](/Data/Model_Weights/data_classes.txt) located in the
[`yolo_structure/Data/Model_Weights`](/Data/Model_Weights/) folder.
- To list available command line options run `python Convert_to_YOLO_format.py -h`.





```
00af986a7d5eb2fea89b2d6913a63081-asset.json X
D:\> IBM-Project-2975-1658489750 > Dataset > Skin_Dataset > Training_Images > 00af986a7d5eb2fea89b2d6913a63081-asset.json > ...

1 {
2   "asset": {
3     "format": "jpg",
4     "id": "00af986a7d5eb2fea89b2d6913a63081",
5     "name": "rosacea%20(18).jpg",
6     "path": "file:C:/Users/HP/Desktop/yolo_structure/Data/Source_Images/Training_Images/rosacea%20(18).jpg",
7     "size": {
8       "width": 476,
9       "height": 461
10    },
11    "state": 2,
12    "type": 1
13  },
14  "regions": [
15    {
16      "id": "3Ie87q76y",
17      "type": "RECTANGLE",
18      "tags": [
19        "Rosacea"
20      ],
21      "boundingBox": {
22        "height": 171.89830508474574,
23        "width": 187.01396143713663,
24        "left": 162.93721327670787,
25        "top": 138.03954802259886
26      },
27      "points": [
28        {
29          "x": 162.93721327670787,
30          "y": 138.03954802259886
31        },
32        {
33          "x": 349.9511747138445,
34          "y": 138.03954802259886
35        },
36      ]
37    }
38  ]
39 }
```

