

## How to use CVAT to draw polygons for labeling

### Assigning an image to yourself for labeling

1. Click on **Tasks** on the top bar
2. Choose the task with the image of your choice and click **Open**
3. Click the **Select a user** box under “Assigned to” and select your username. This assigns the *task* to you.
4. Click the **Select a user** box under “Assignee” and select your username. This assigns the *job* to you.

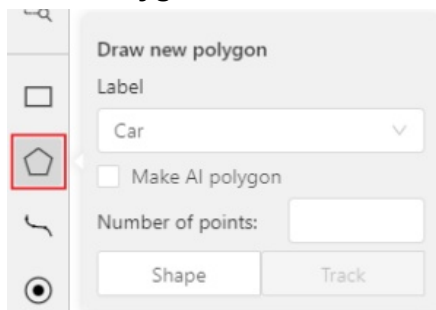
### Accessing the image to perform labeling

1. Go onto CVAT: <https://app.cvat.ai/projects?page=1>
2. Click on **Jobs** on the top bar
3. Click on the image you want to label. To find a job assigned to you, click **Quick filters** and select **Assigned to me**.

### Labeling (More info:

[https://github.com/TaSeeMba/cvat/blob/master/cvat/apps/documentation/user\\_guide.md#annotation-with-polygons](https://github.com/TaSeeMba/cvat/blob/master/cvat/apps/documentation/user_guide.md#annotation-with-polygons))

1. Select **Polygon** on the controls sidebar and choose the correct Label, select **Track**.



2. Drag the mouse on the screen while holding **Shift** to draw the polygon.
3. When **Shift** isn't pressed, you can zoom in/out (when scrolling the mouse wheel) and move (when clicking the mouse wheel and moving the mouse), you can also delete the previous point by **right-clicking** on it.
4. Press **N** again for completing the shape.
5. Press **Esc** to cancel drawing the polygon.
6. Press **N** again for to begin drawing a new polygon.
7. After creating the polygon, you can move the points or delete them by **right-clicking** and selecting **Delete point** or double-clicking with pressed **Ctrl** key in the context menu.
8. To edit a polygon you have to double-click with pressed Shift, it will open the polygon editor.
  - a. There you can create new points or delete part of a polygon closing the line on another point.
  - b. After closing the polygon, you can select the part of the polygon that you want to leave.
  - c. You can press Esc to cancel editing.

### Saving and completing the job

1. To save, click **Save**
2. Click **Menu**, and then **Finish the job** to indicate you have finished labeling
3. You can export the annotations as a .zip of a .xml file by clicking **Menu** -> **Export job dataset** -> **OK**. You can name your file under "Custom name". The .xml file contains data of the image itself and the annotations of each individual label, including the vertices of the polygon which can then be parsed and reconstructed using Python packages like cv2