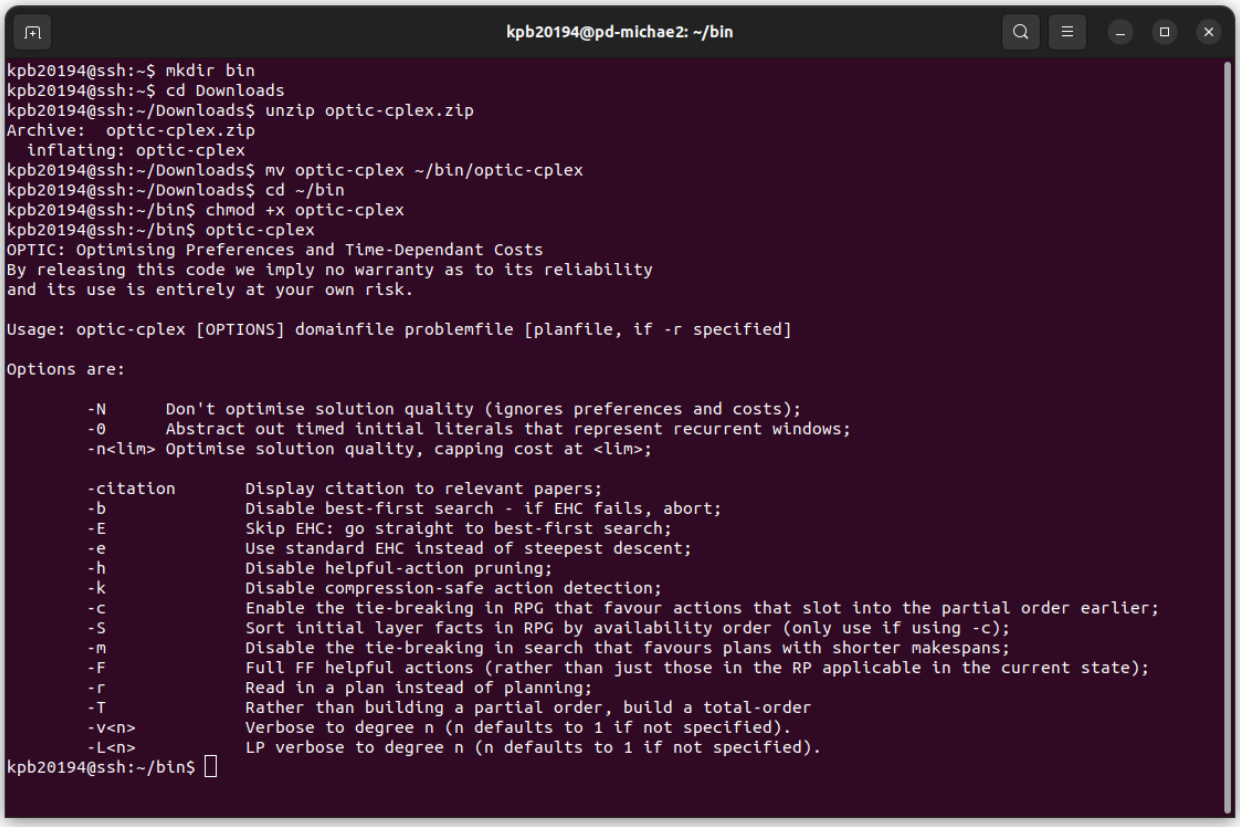
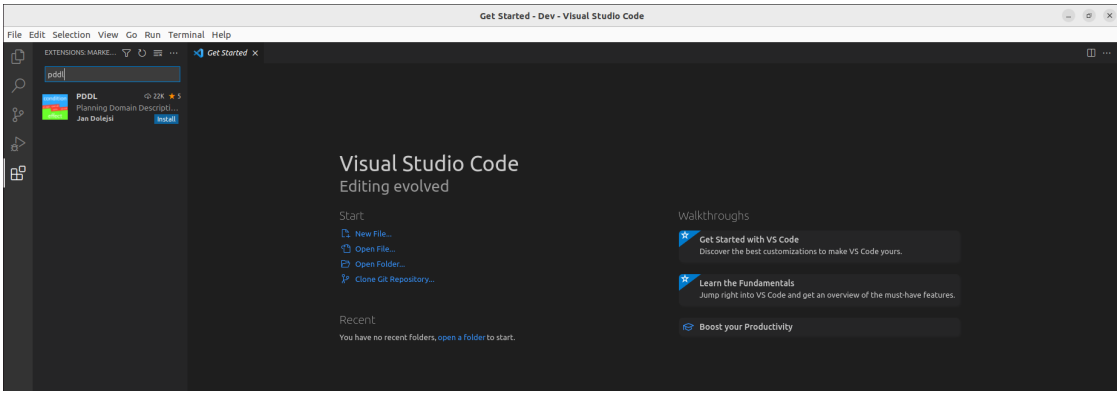
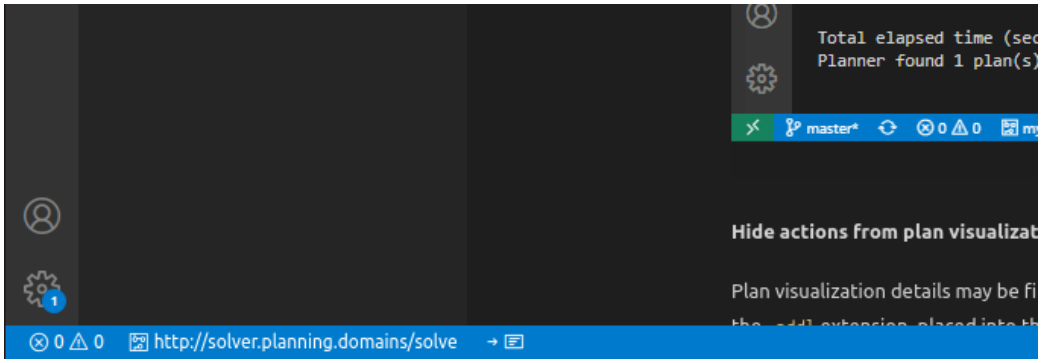
Follow the steps to install the planner optic-cplex using the terminal:



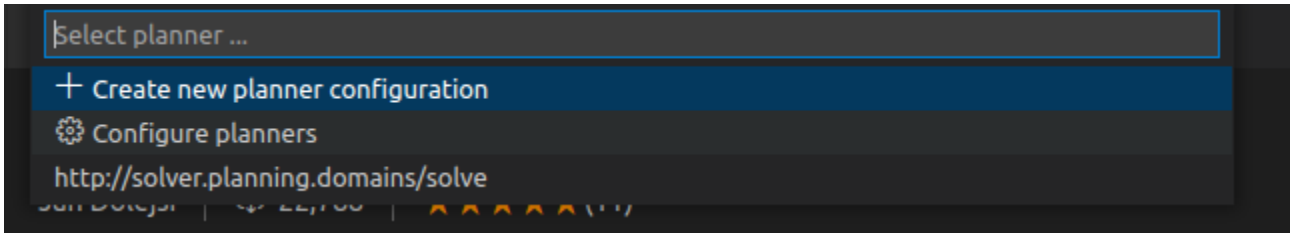
Open VSCode, click on the extensions in the toolbar on the right, search for PDDL and hit install.

Once 

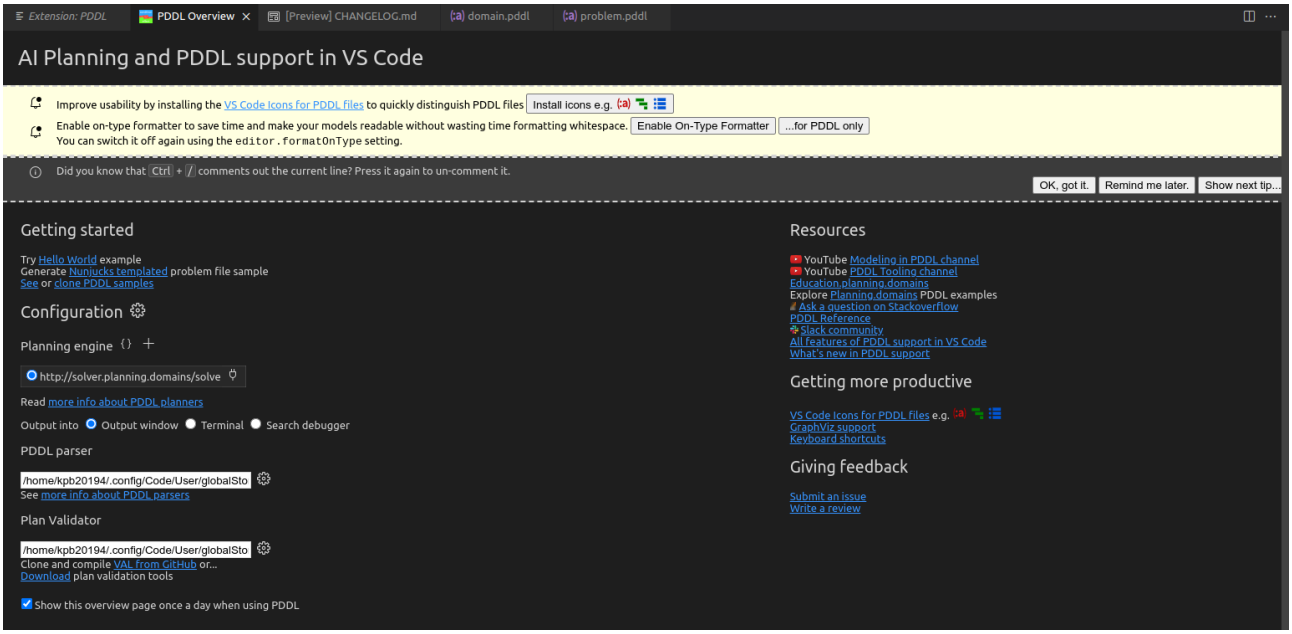
installed, you should see a blue bar at the bottom. Click on "https://solver.planning.domains/solve". This should bring up a menu at the top of the screen.

Hit 

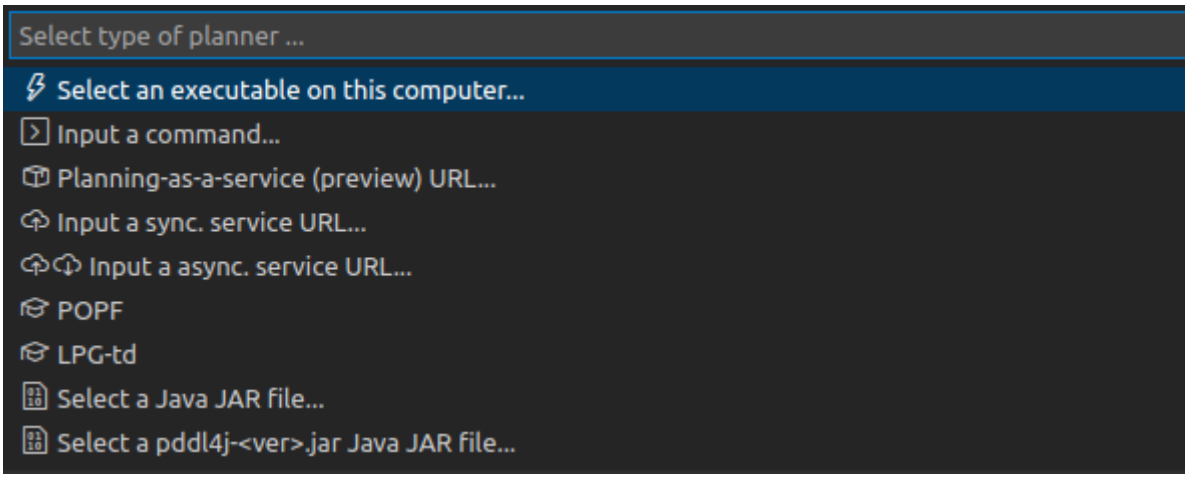
"Configure planners".



This should bring the following screen up:

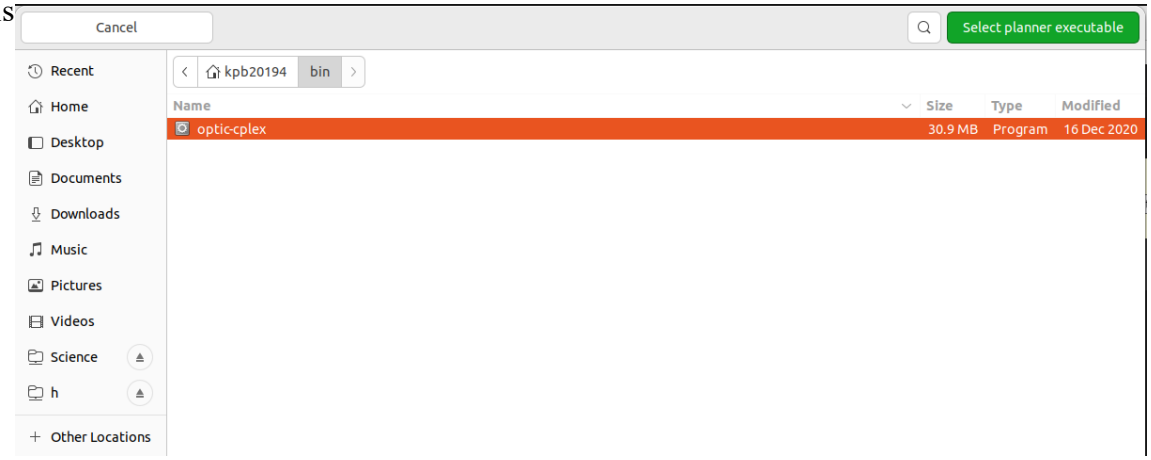


Next to Planning engine hit the + and press Select an executable on this computer.

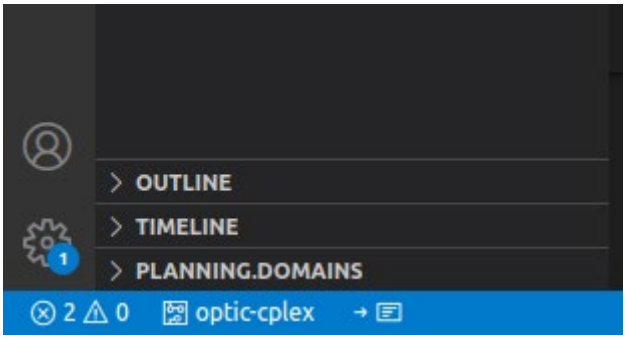


Navigate to Home/bin and select optic-cplex.

After this vscode should be

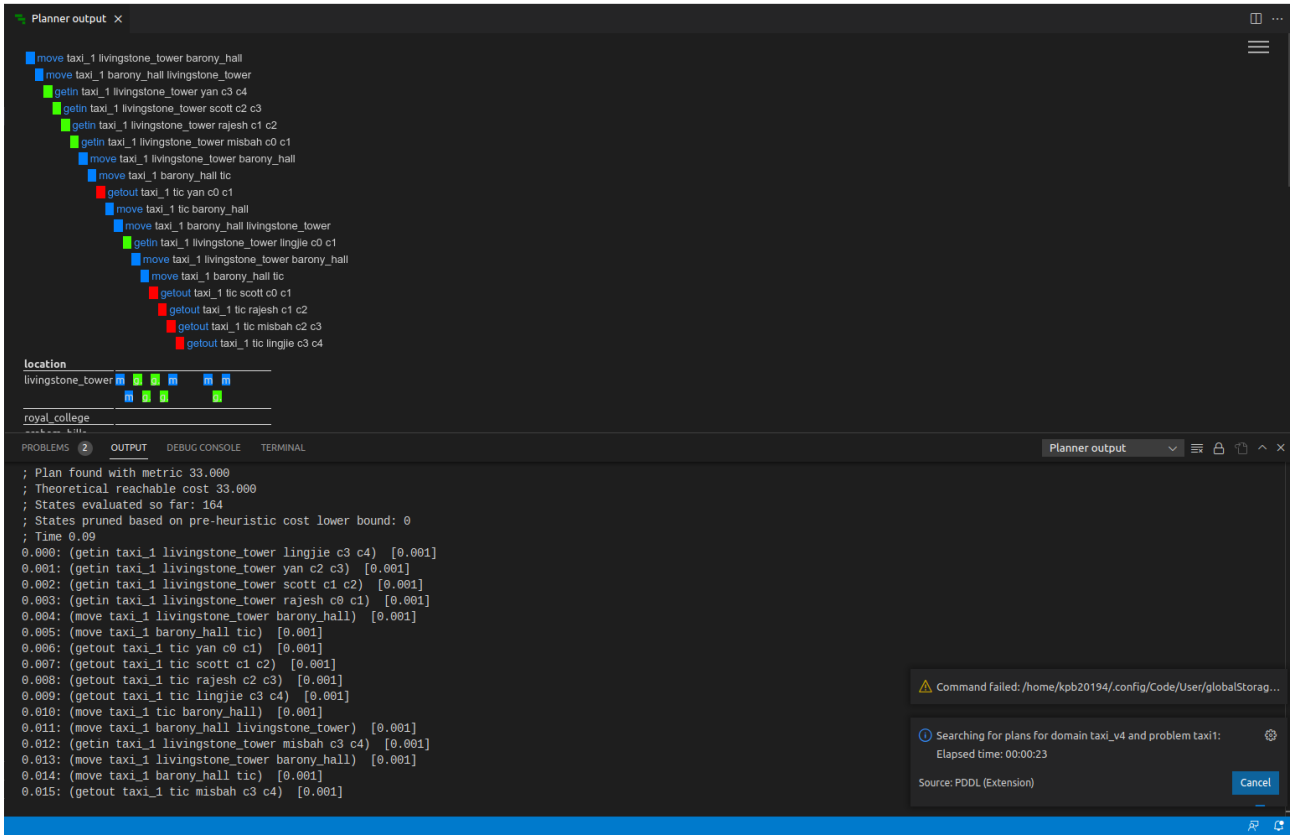


configured to use optic-cplex. At the blue bar at the bottom you can select optic-cplex.

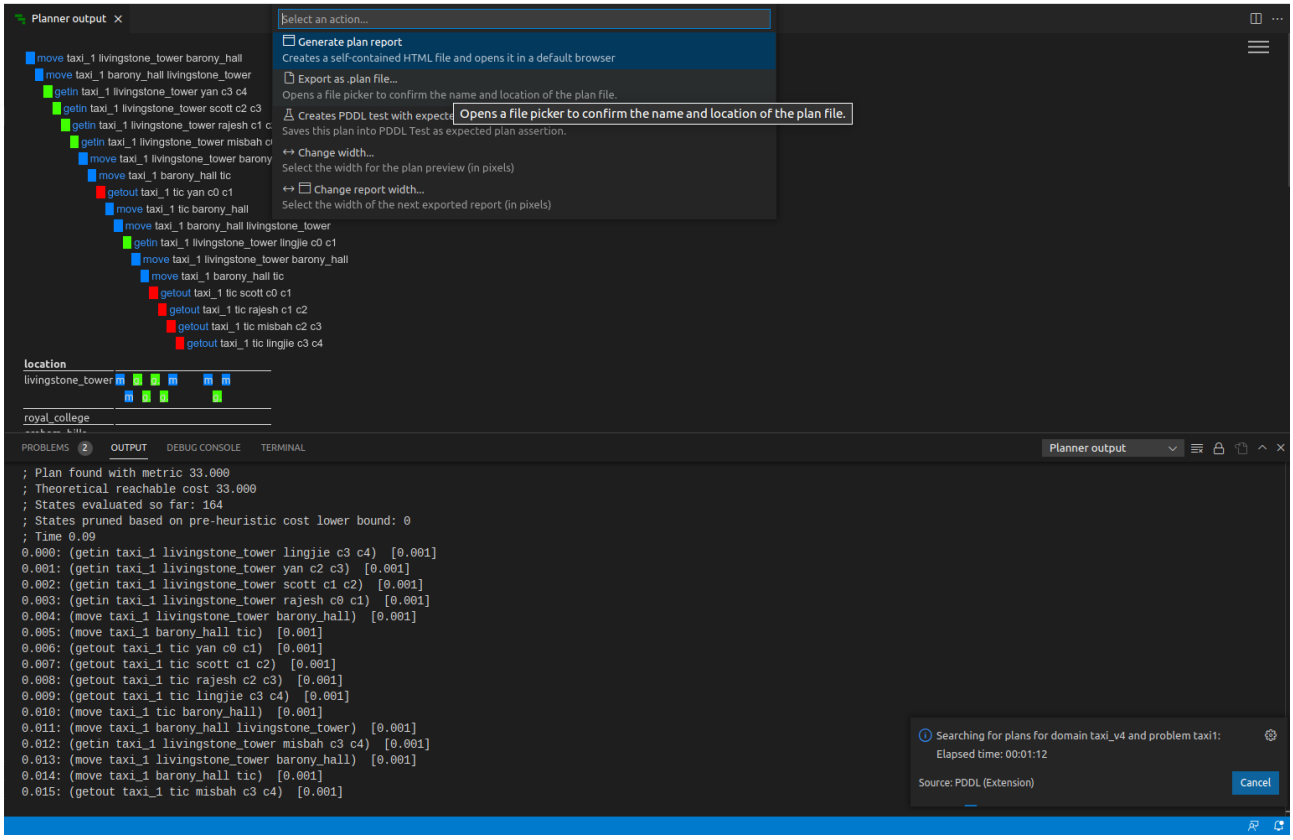


Provided you have a valid PDDL problem and domain file if you have the problem file open in vscode you can simply type alt+p to invoke the planner.

The planner output should then be something like this:



You can save the plan as a pddl .plan file by clicking the three bars in the top right and clicking “export as a .plan file”



You should now have a plan as below:

Planner output | taxi_prob.plan

cs823 > taxi_prob.plan

```
;;!domain: taxi_v4
;;!problem: taxi1

0.00000: (move taxi_1 livingstone_tower barony_hall) [0.00100]
0.00100: (move taxi_1 barony_hall livingstone_tower) [0.00100]
0.00200: (getin taxi_1 livingstone_tower yan c3 c4) [0.00100]
0.00300: (getin taxi_1 livingstone_tower scott c2 c3) [0.00100]
0.00400: (getin taxi_1 livingstone_tower rajesh c1 c2) [0.00100]
0.00500: (getin taxi_1 livingstone_tower misbah c0 c1) [0.00100]
0.00600: (move taxi_1 livingstone_tower barony_hall) [0.00100]
0.00700: (move taxi_1 barony_hall tic) [0.00100]
0.00800: (getout taxi_1 tic yan c0 c1) [0.00100]
0.00900: (move taxi_1 tic barony_hall) [0.00100]
0.01000: (move taxi_1 barony_hall livingstone_tower) [0.00100]
0.01100: (getin taxi_1 livingstone_tower lingjie c0 c1) [0.00100]
0.01200: (move taxi_1 livingstone_tower barony_hall) [0.00100]
0.01300: (move taxi_1 barony_hall tic) [0.00100]
0.01400: (getout taxi_1 tic scott c0 c1) [0.00100]
0.01500: (getout taxi_1 tic rajesh c1 c2) [0.00100]
0.01600: (getout taxi_1 tic misbah c2 c3) [0.00100]
0.01700: (getout taxi_1 tic lingjie c3 c4) [0.00100]

; Makespan: 0.018000000000000002
; Metric: 43
; States evaluated: 50
```