

slower performance with awsim #3405



Answered by maxime-clem

zillur-av asked this question in Q&A



zillur-av on Apr 5, 2023

I installed autoware along with AWSIM simulator and just run the demo code following https://tier4.github.io/AWSIM/GettingStarted/QuickStartDemo/. After launching ros nodes, the computer became too slow to do anything ans simulation windows becomes blurry. I here attached the system monitor which shows my cpu and ram became full. Does anyone have any suggestion to handle this? Or I just have to use a more powerful CPU and larger RAM?

SYSTEM INFO:

CPU: Intel(R) Xeon(R) CPU E5-2603 0 @ 1.80GHz

RAM: 16GB 500 SSD Card

2 Nvidia RTX 2070 GPU

Category



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Labels

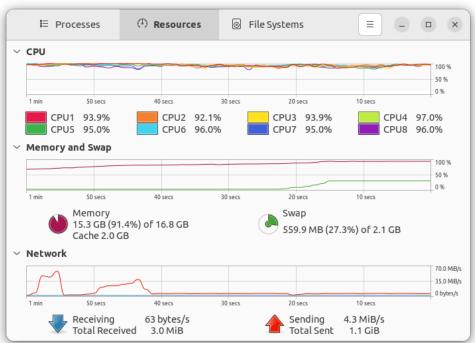
None yet

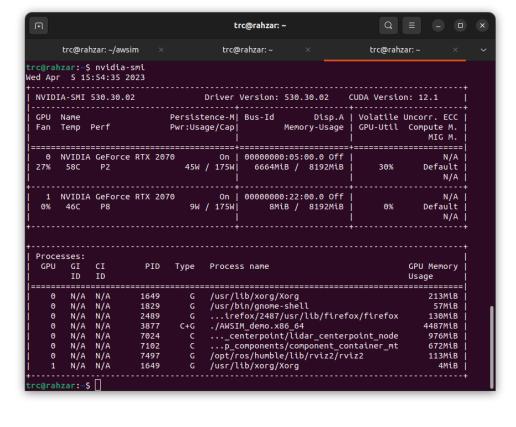
2 participants











1 1



Answered by maxime-clem on Apr 6, 2023

The main issue seems to be that AWSIM must use some swap memory, which is VERY slow.

Do you have other processes running that are using a lot of memory? If so, try to close them before starting AWSIM so that there is no need to use the

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maxime-clem on Apr 6, 2023 (Collaborator)

The main issue seems to be that AWSIM must use some swap memory, which is VERY slow.

Do you have other processes running that are using a lot of memory? If so, try to close them before starting AWSIM so that there is no need to use the swap.

Additionally, your CPU is being used at near 100%, which can cause slowdown. You can reduce the simulation speed ("Time Scale") to get a nicer (but not real-time) experience.





1 reply



zillur-av on Apr 7, 2023 (Author)

The main issue seems to be that AWSIM must use some swap memory, which is VERY slow. Do you have other processes running that are using a lot of memory? If so, try to close them before starting AWSIM so that there is no need to use the swap. Additionally, your CPU is being used at near 100%, which can cause slowdown. You can reduce the simulation speed ("Time Scale") to get a nicer (but not real-time) experience.

Thanks. After lowering time scale, it is working better. It seems autoware perception module uses a large portion of RAM.

Answer selected by **zillur-av**