

Installation

ref : <https://github.com/Unity-Technologies/ml-agents/blob/main/docs/Installation.md>

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1. Set My ENV
2. Set In Unity

My ENV

- OS
 - Ubuntu 18.04 - good
 - Ubuntu 20.04 - good
- Graphic Driver
 - Nvidia 470.57.02 (NVIDIA-Linux-x86_64-470.57.02.run)
- CUDA
 - CUDA 11.1
 - `wget`
`https://developer.download.nvidia.com/compute/cuda/11.1.0/local_installers/cuda_11.1.0_455.23.05_linux.run`
 - CUDA 11.3 - failed
 - CUDA 11.5 - failed
- Python
 - 3.6.9 - good
 - 3.8.10 - good
 - 3.9. - failed
 - 3.11. - failed

dependency

```
sudo apt-get update
sudo apt install build-essential -y
wget https://us.download.nvidia.com/XFree86/Linux-x86_64/470.57.02/NVIDIA-
Linux-x86_64-470.57.02.run
chmod +x NVIDIA-Linux-x86_64-470.57.02.run
sudo ./NVIDIA-Linux-x86_64-470.57.02.run

sudo apt-get install -y build-essential curl gcc ssh git net-tools vim
pip3 install torch==1.8.0+cu111 torchvision==0.9.0+cu111 torchaudio==0.8.0
-f https://download.pytorch.org/whl/torch_stable.html

git clone https://github.com/Unity-Technologies/barracuda-release

pip3 install mlagents==0.27.0
```

```
git clone --branch release_18 https://github.com/Unity-Technologies/ml-  
agents.git  
cd ./ml-agents  
pip3 install -e ./ml-agents-envs/  
pip3 install -e ./ml-agents/  
pip3 install -e ./gym-unity/
```

optional

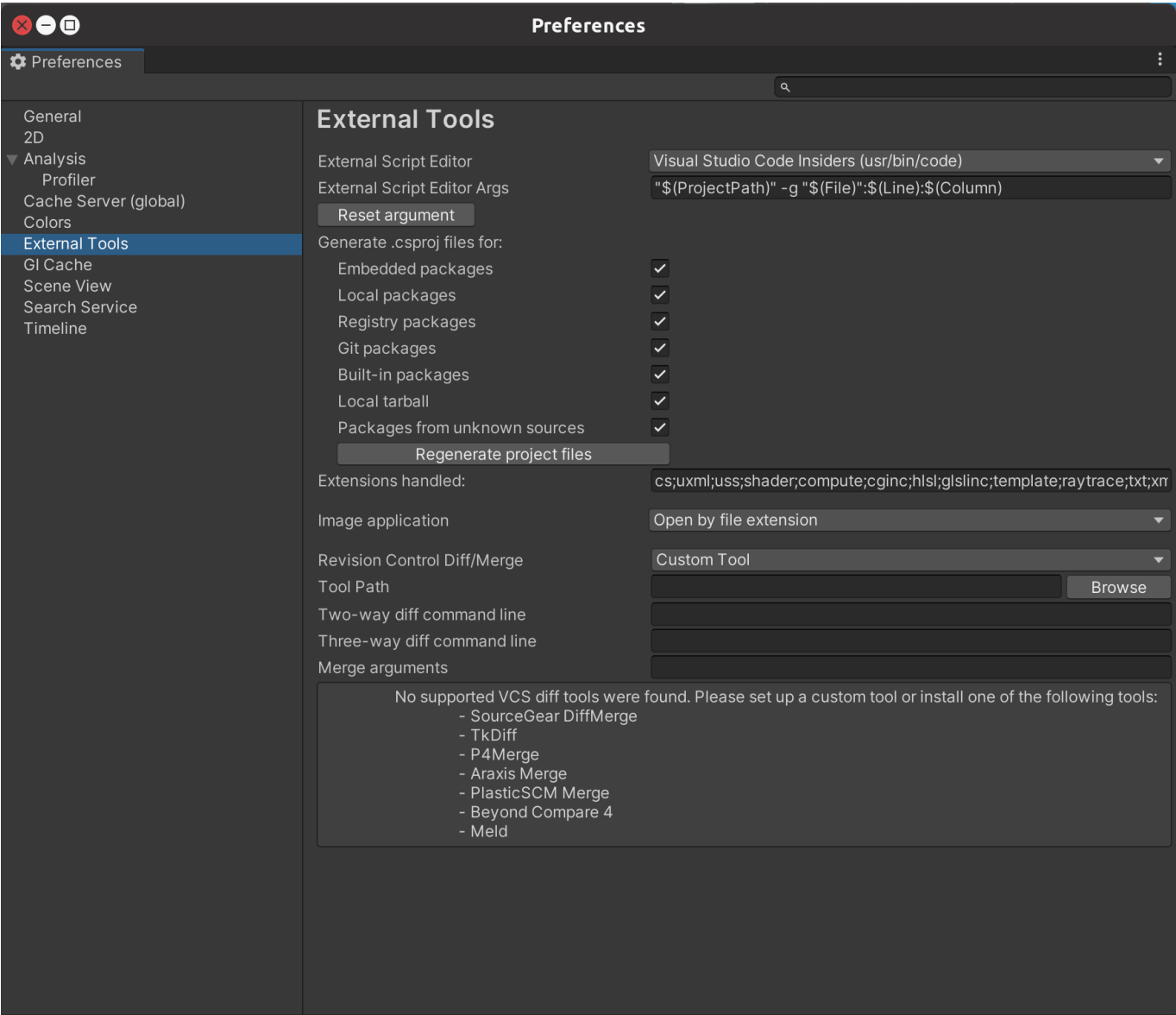
dotnet

```
sudo apt-get update;    sudo apt-get install -y apt-transport-https &&  
sudo apt-get update &&    sudo apt-get install -y dotnet-sdk-6.0  
sudo apt-get update;    sudo apt-get install -y apt-transport-https &&  
sudo apt-get update &&    sudo apt-get install -y aspnetcore-runtime-6.0
```

In Unity

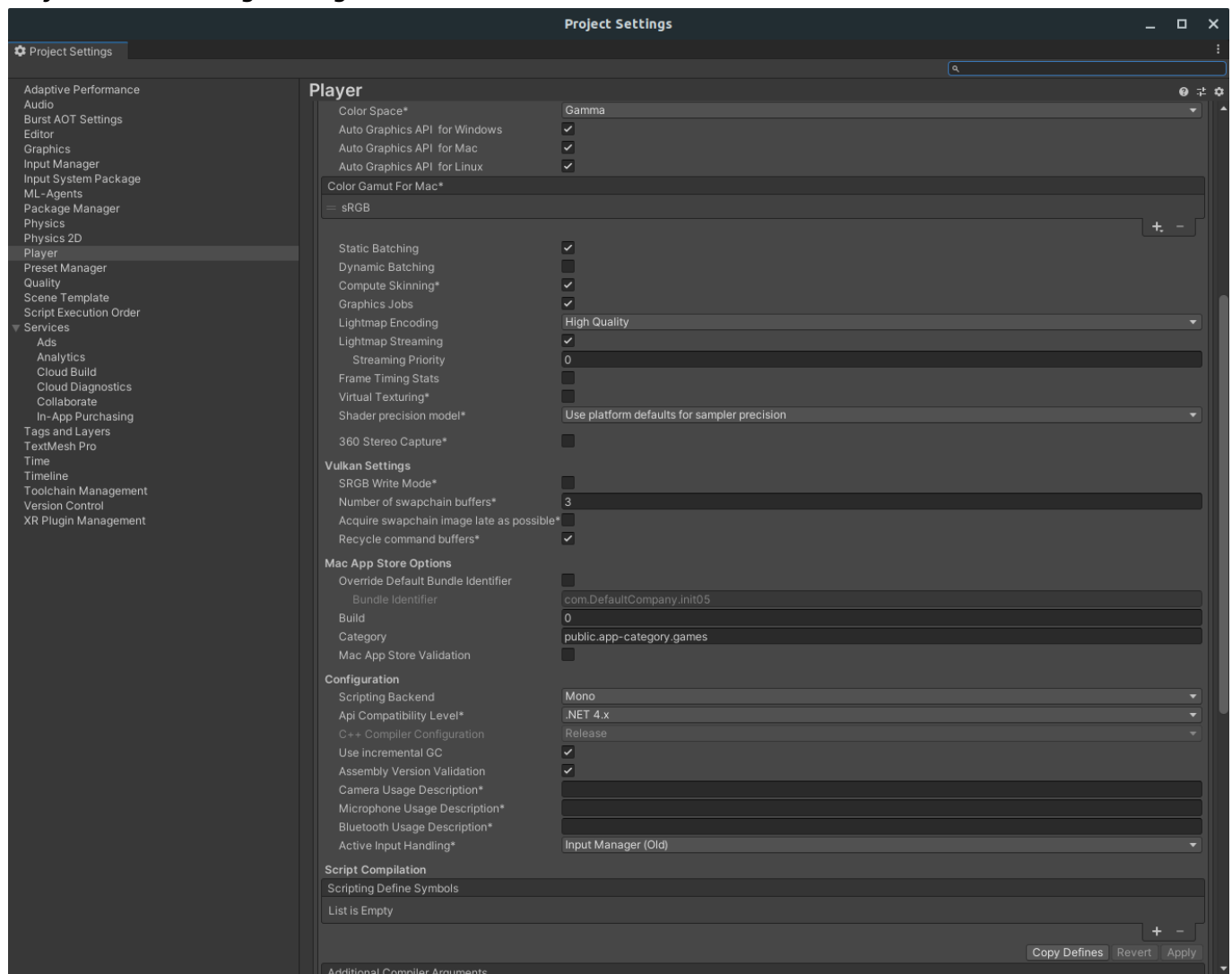
External Tools

External Scripts Editor Visual Studio Code Insiders



Project Settings

Player - Other Settings Configuration



1. Api Compatibility Level .NET 4.X
2. Active Input Handling - Input Manager(OLD)

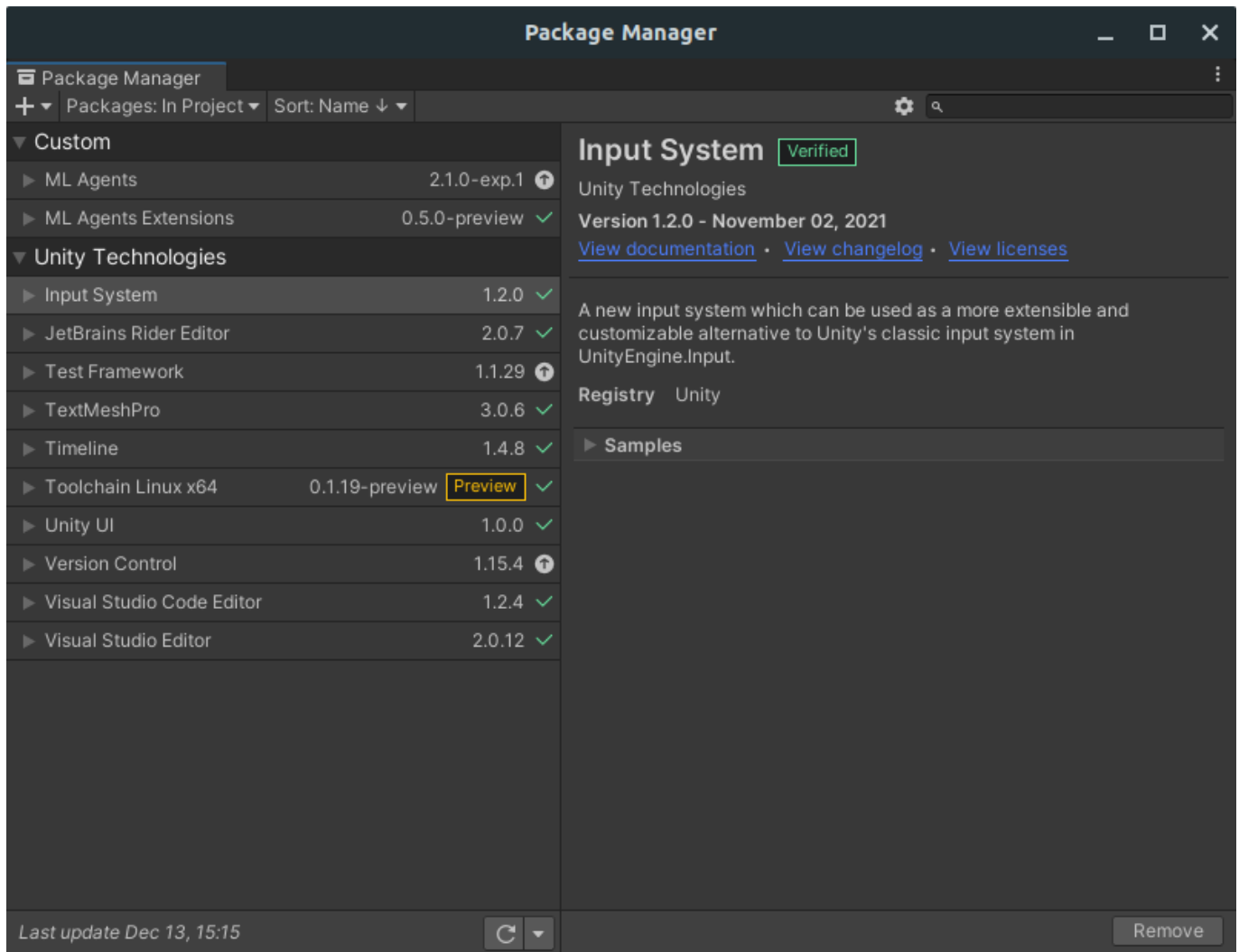
Package Manager

required

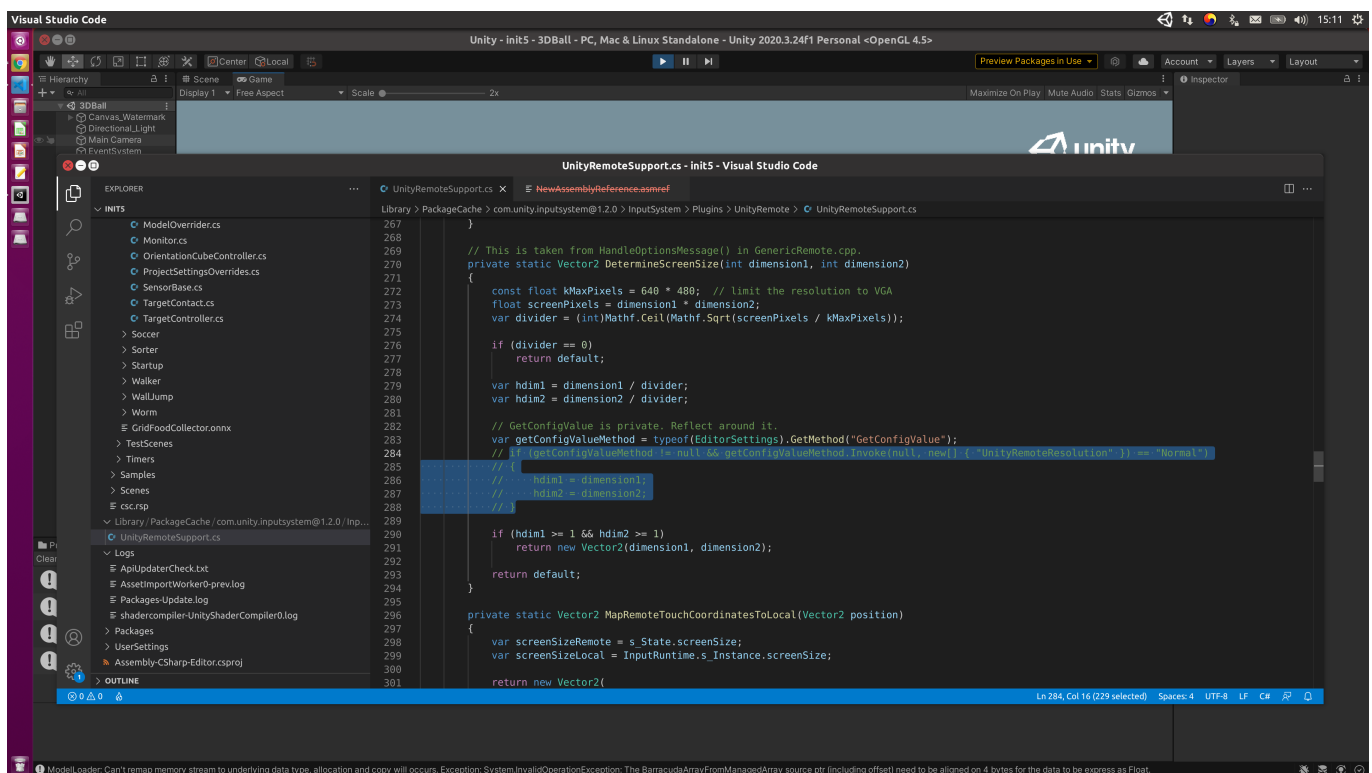
1. Input System
2. ML Agents
3. ML Agents Extensions

optional

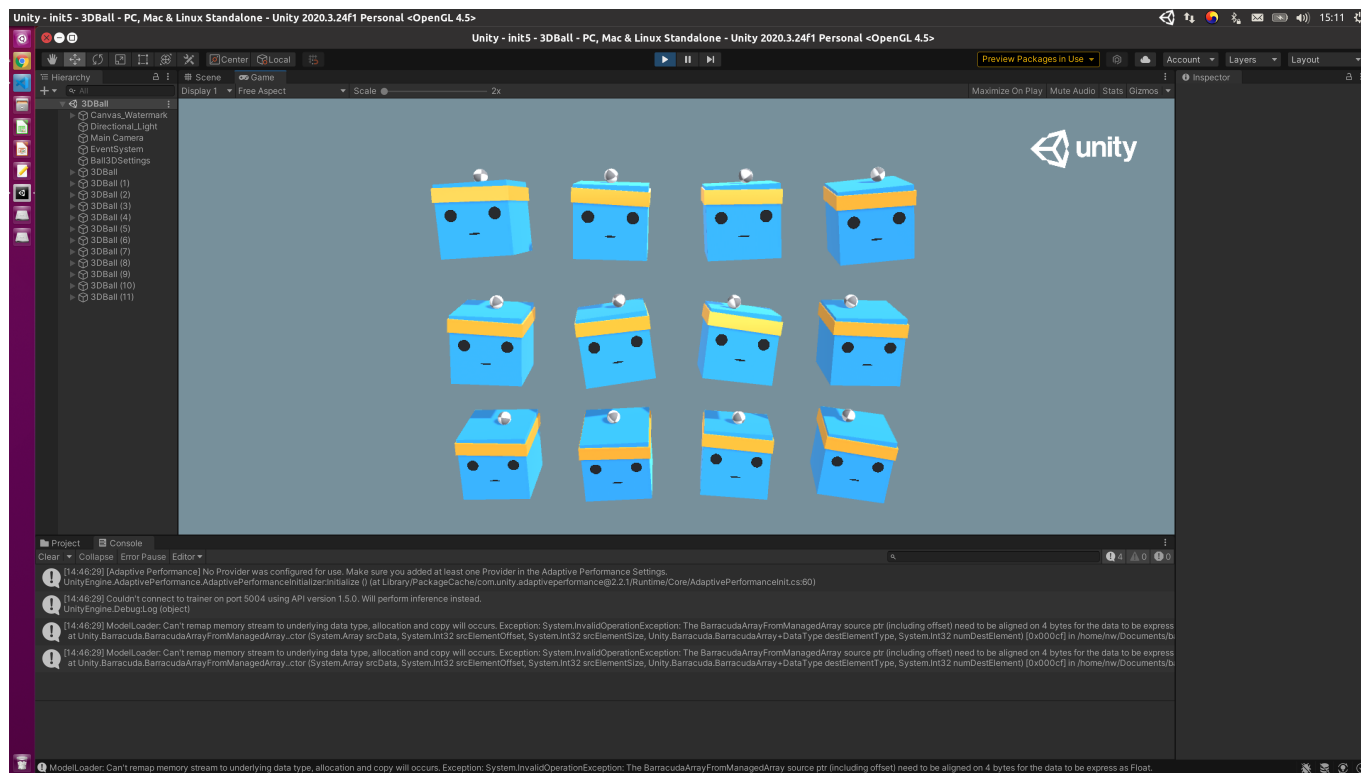
1. Barracuda
2. Visual Studio Code Editor



comment



final result



다시 # Home main 으로