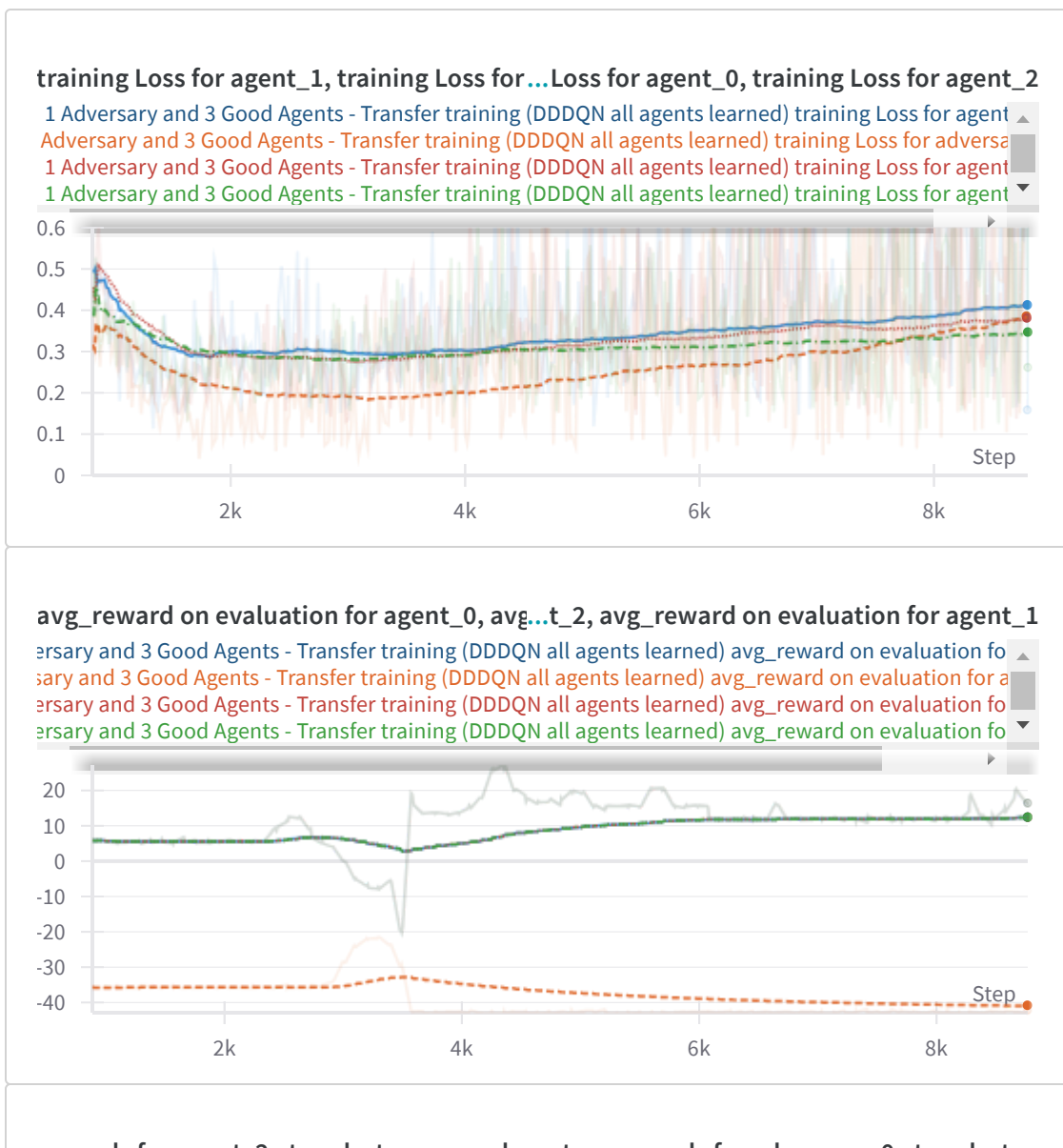# 1 Adversary and 3 Good Agents - Transfer training (DDDQN - AEC all agents learned)

AMAL CHULLIYAT JOSE

▾ Plots

training Loss for agent_1, training Loss for ...Loss for agent_0, training Loss for agent_2

1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training Loss for agent
Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training Loss for adversa
1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training Loss for agent
1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training Loss for agent

avg_reward on evaluation for agent_0, avg...t_2, avg_reward on evaluation for agent_1

ersary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg_reward on evaluation fo
ersary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg_reward on evaluation for a
ersary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg_reward on evaluation fo
ersary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg_reward on evaluation fo

rewards for agent_2 at each step, rewards ...step, rewards for adversary_0 at each step

rewards for agent_2 at each step, rewards ...step, rewards for adversary_0 at each step
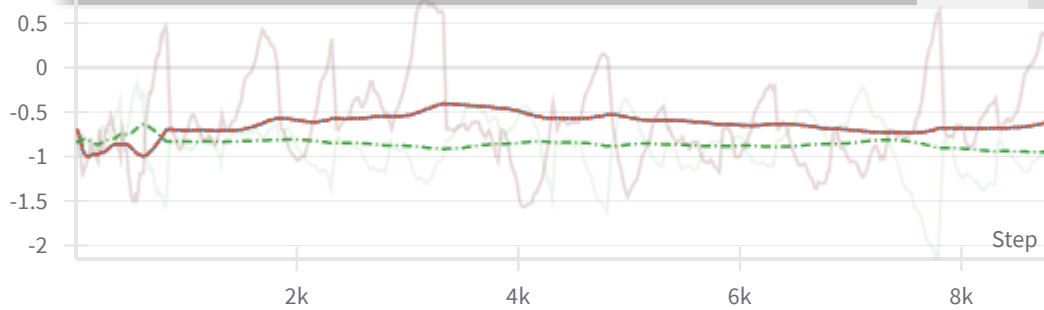
Step

training step of agent_1, training step of a...g step of agent_0, training step of agent_2

1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training step of agent
Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training step of adversa
1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training step of agent
1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) training step of agent

Step

avg episode rewards.agent_2, avg episode...rds.agent_1, avg episode rewards.agent_0

Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg episode rewards.age
dversary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg episode rewards.adver
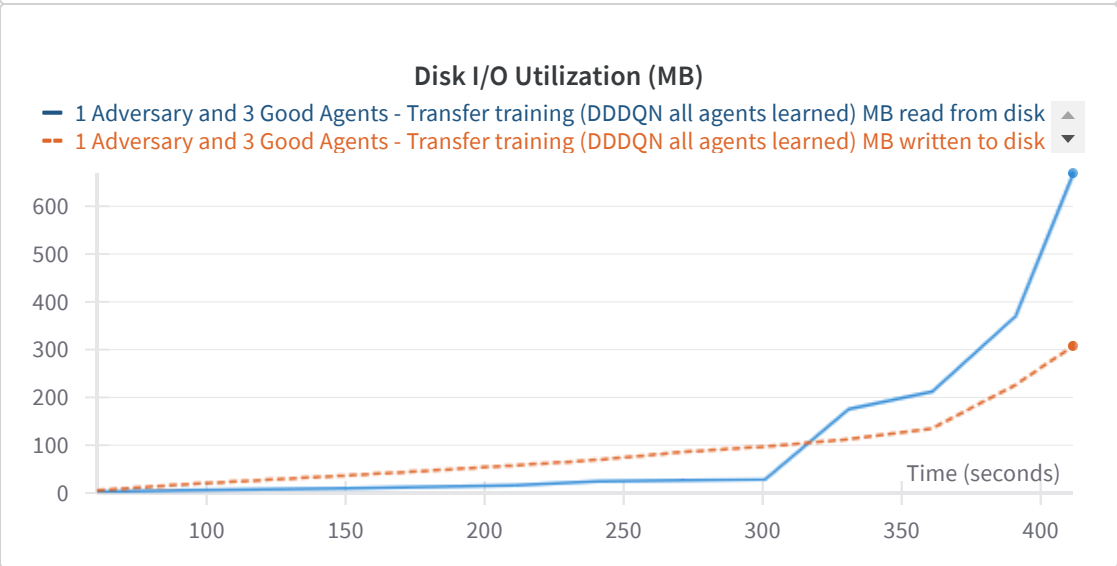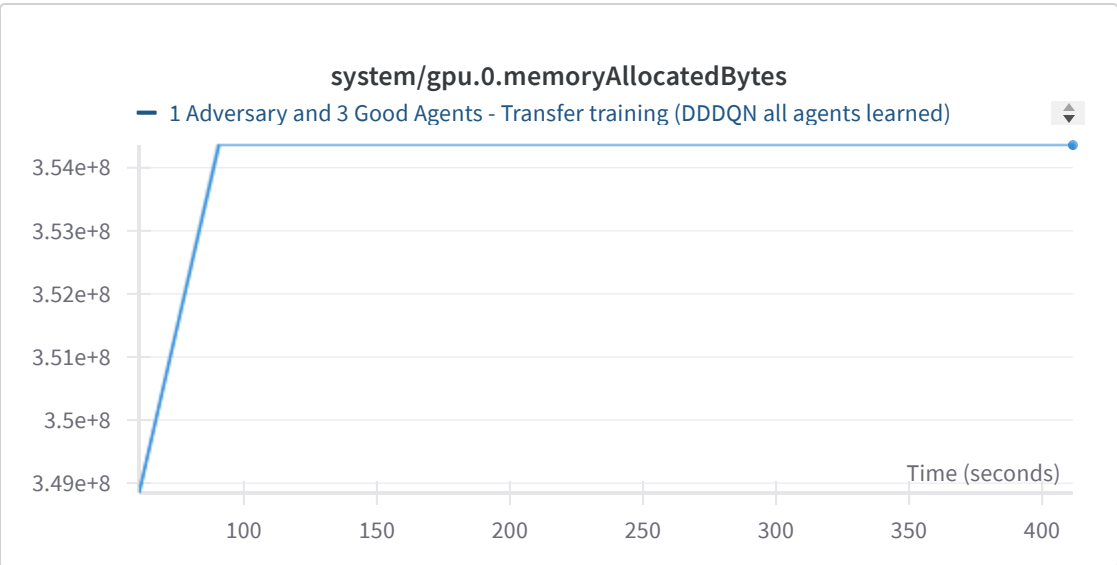Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg episode rewards.age
Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) avg episode rewards.age

Step
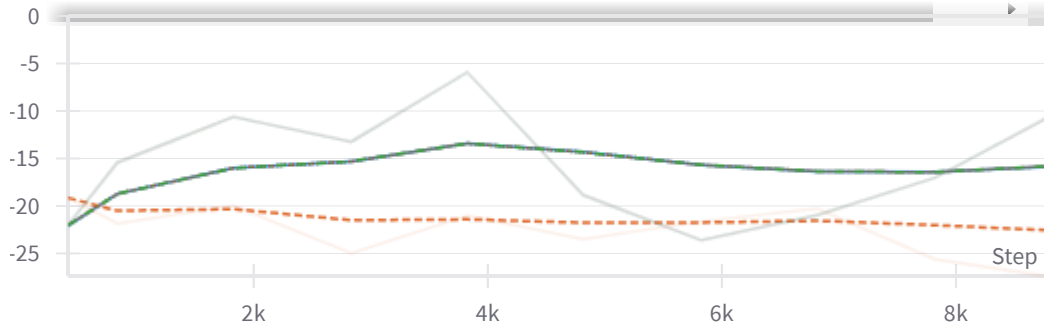
Episode

— 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned)

2

0

0   2k   4k   6k

Step

system/gpu.0.memoryAllocatedBytes

— 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned)

3.54e+8

3.53e+8

3.52e+8

3.51e+8

3.5e+8

3.49e+8

100   150   200   250   300   350   400

Time (seconds)

Disk I/O Utilization (MB)

— 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) MB read from disk
-- 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) MB written to disk

600

500

400

300

200

100

0

100   150   200   250   300   350   400

Time (seconds)

Disk Utilization (GB)

— 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned)

142.16

142.16

142.16

142.16

142.15

142.15

142.15

Disk Utilization (%)

— 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned)

100
80
60
40
20
0

Time (seconds)

100   150   200   250   300   350   400

GPU Power Usage (W)

· 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) GPU 0 Power Usage (W

◄ |▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓| ► |

2.5
2
1.5
1
0.5
0

Time (seconds)

100   150   200   250   300   350   400

GPU Power Usage (%)

· 1 Adversary and 3 Good Agents - Transfer training (DDDQN all agents learned) GPU 0 Power Usage (%

◄ |▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓| ► |

100
80
60
40
20
0

Time (seconds)

100   150   200   250   300   350   400

https://wandb.ai/myteamabc/Simple%20Adversary%20Transfer%20Learning/reports/1-Adversary-and-3-Good-Agents-Transfer-training-DDDQN-AEC-all-agents-learned---Vmlldzo3MTI4NTk2