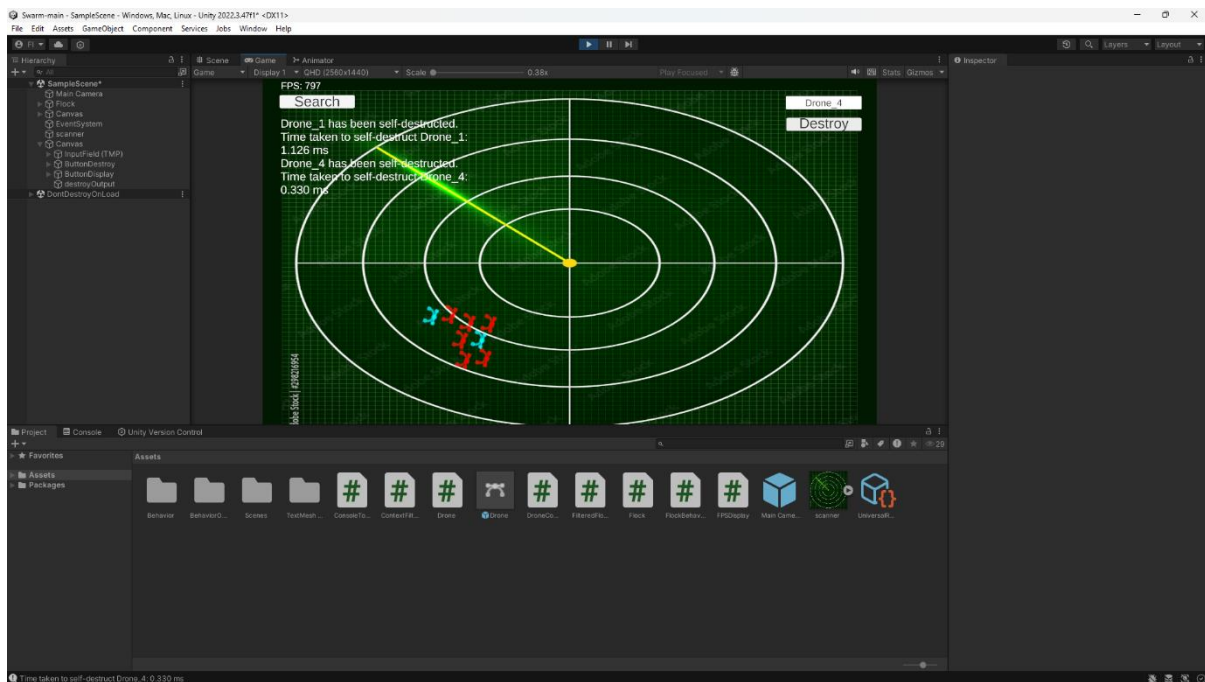
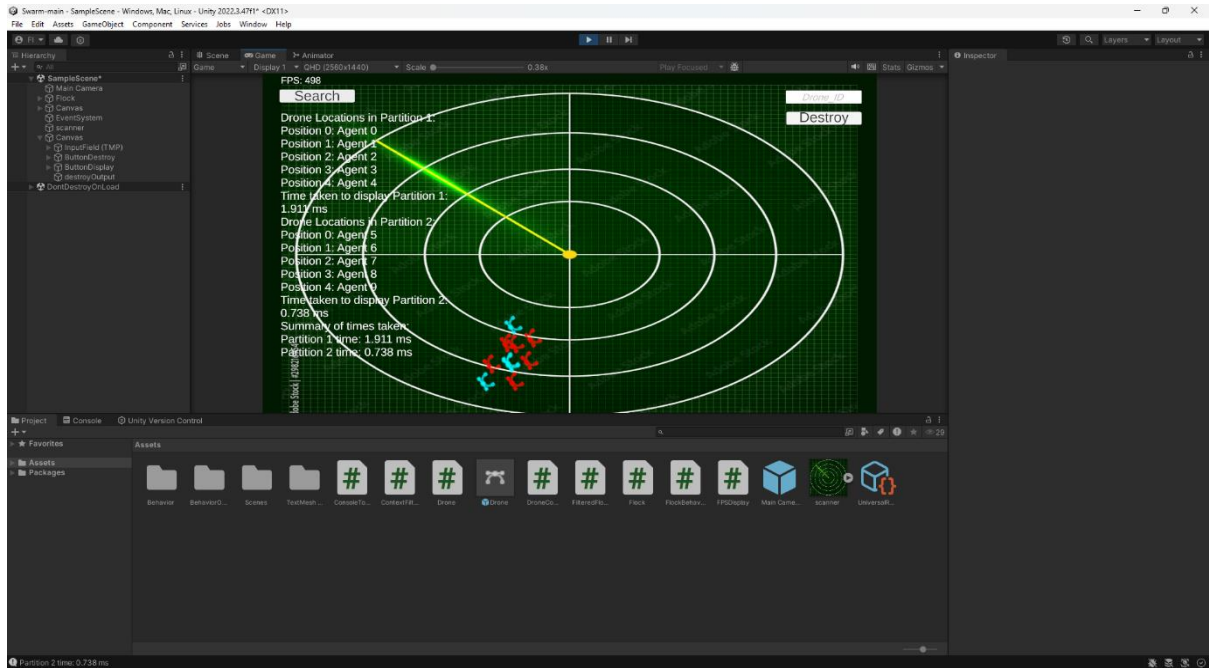


## 10 Drones

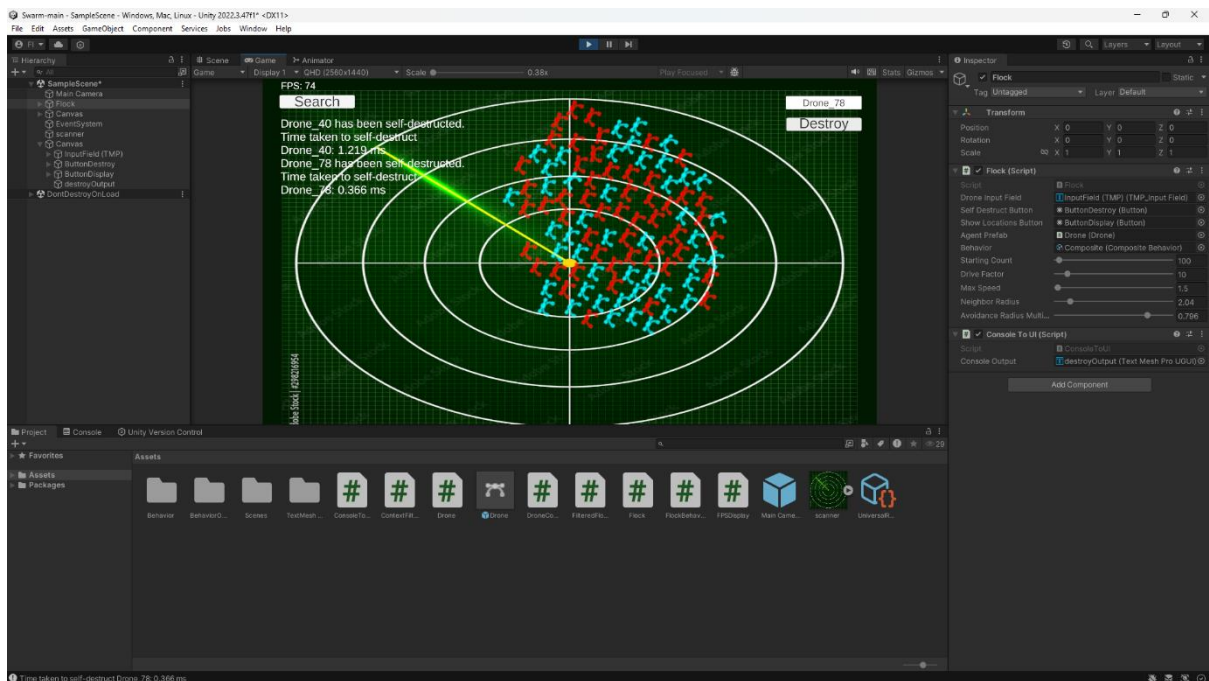


The simulation's remarkable frame rate of 797 shows that it functions fluidly and can manage real-time changes with little lag. This high frame rate, combined with swift self-destruct response times such as 1.126 ms for Drone\_1 and 0.330 ms for Drone\_4, shows that the system is highly optimized for fast processing, making it ideal for scenarios demanding rapid drone management and immediate feedback. The simulation's remarkable frame rate of 797 shows that it functions fluidly and can manage real-time changes with little lag. This high frame rate, combined with swift self-destruct response times such as 1.126 ms for Drone\_1 and 0.330 ms for Drone\_4, shows that the system is highly optimized for fast processing, making it ideal for scenarios demanding rapid drone management and immediate feedback.



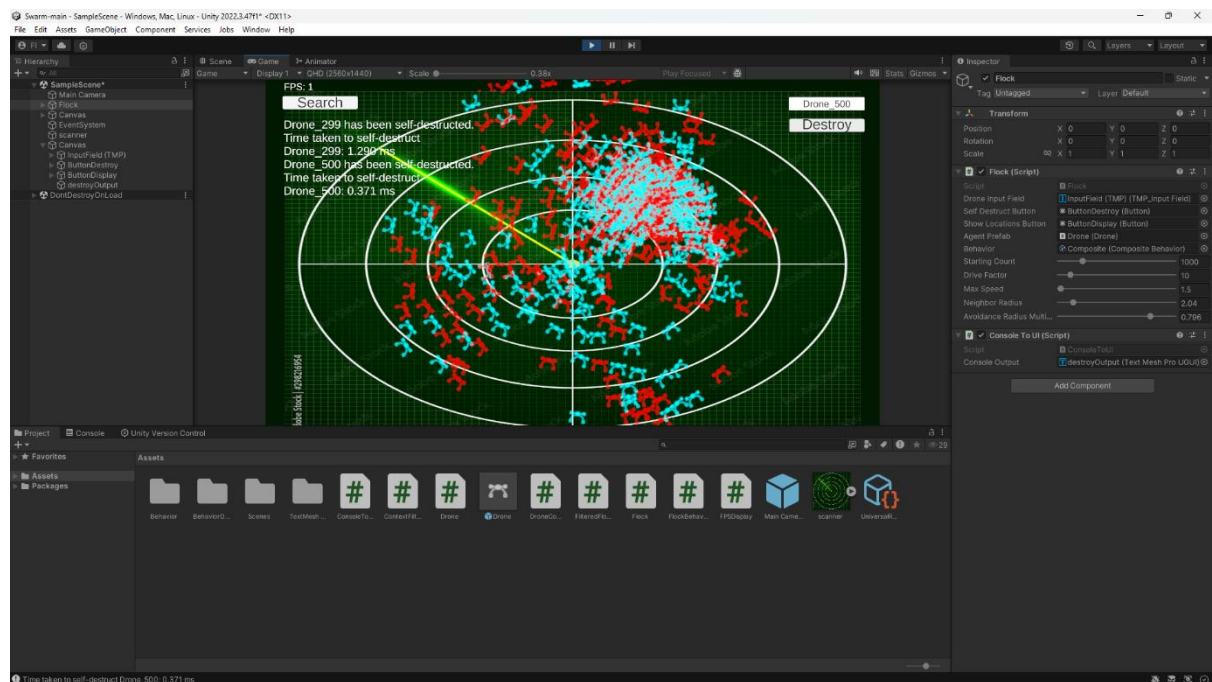
The simulation indicates an FPS of 498, which remains a high frame rate, enabling for smooth real-time tracking of drone positions over many partitions. The partitions' display times of 1.911 ms and 0.738 ms demonstrate effective data processing and prompt drone location updates. This performance illustrates that the system can manage several agents while providing timely feedback, which is critical for high-speed applications in a military simulation.

## 100 Drones

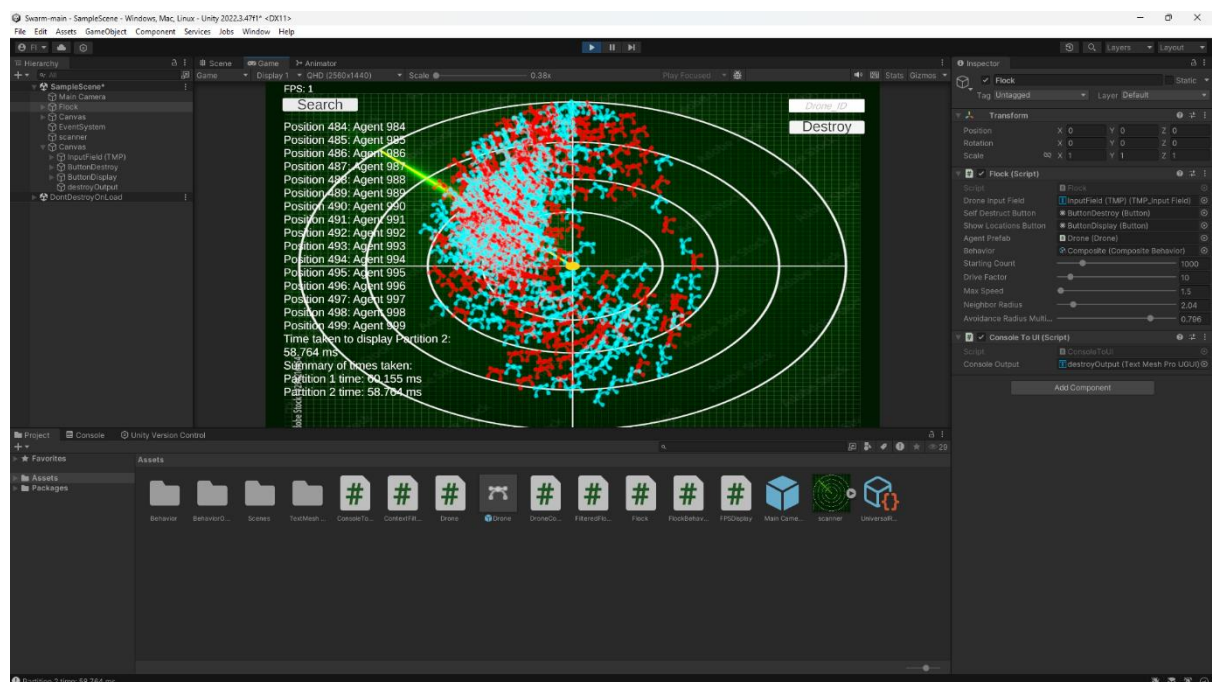




# 1000 Drones



The system is having trouble managing the current workload, probably because of the extremely high number of drones visible, as the simulation is operating at a remarkably low frame rate of 1. Despite the low frame rate, the system effectively processes commands, as Drone\_299 and Drone\_500 self-destruct in 1.290 ms and 0.371 ms, respectively. The performance decline indicates that, while the simulation can handle many agents functionally, visual performance is severely degraded, and tuning may be necessary for smoother operation at higher agent counts.



The high number of drones being tracked and controlled on the radar is causing serious performance concerns, as evidenced by the simulation's 1 FPS. The system's partition display times, such as 58.764 ms for Partition 2, indicate the high computational burden necessary to manage the enormous number of agents. The incredibly low frame rate indicates that the system cannot sustain fluid visual performance with such a big volume of drones, and additional optimization is required to manage this scale, even though the self-destruct command durations are still efficient.