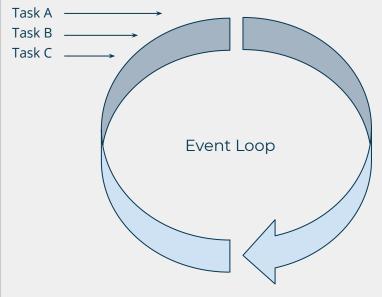
Python Asyncio Event Loop

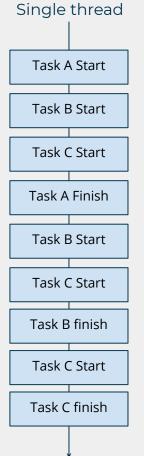
Asyncio uses the async/await syntax to schedule multiple tasks, specifically tasks that involve waiting periods. Only one task can run at a time to avoid them blocking each other. While you wait for a task to complete, work on other tasks can be performed.



While task A, B or C is waiting to be complete, work on other tasks can be performed.

If task A is waiting on something, task B could start.

The event loop will continue to run and swap between waiting tasks until all tasks are complete.



The event loop runs in a single thread and executes all callbacks and tasks in the same thread.

While a task is running in the event loop, no other task is running in the same thread.