

## **Shutdown**

When the server is signaled to shutdown, the executor service, `ThreadPoolExecutor` manages the shutdown of threads.

When shutting down, the web server will first try the `shutdown()` method provided by the executor service. By doing this, the threads will not be immediately destroyed, instead the threads will stop accepting new tasks, complete their current task and then shutdown. This ensures that no threads will be destroyed mid-task. Next the `shutdownNow()` method is run to ensure that all threads have been destroyed.

If an exception occurs when trying to shutdown, the web server will use the `shutdownNow()` method to immediately destroy the threads.