```
struct realtime_context_state
    realtime_context_state() = default;
   void realtime_enter()
                                        { realtime_flag.store (true); }
   void realtime_exit()
                                        { realtime_flag.store (false); }
   /// Returns true if this is in a real-time state
   bool is_realtime_context() const { return realtime_flag.load(); }
private:
    std::atomic<bool> realtime_flag { false };
};
```