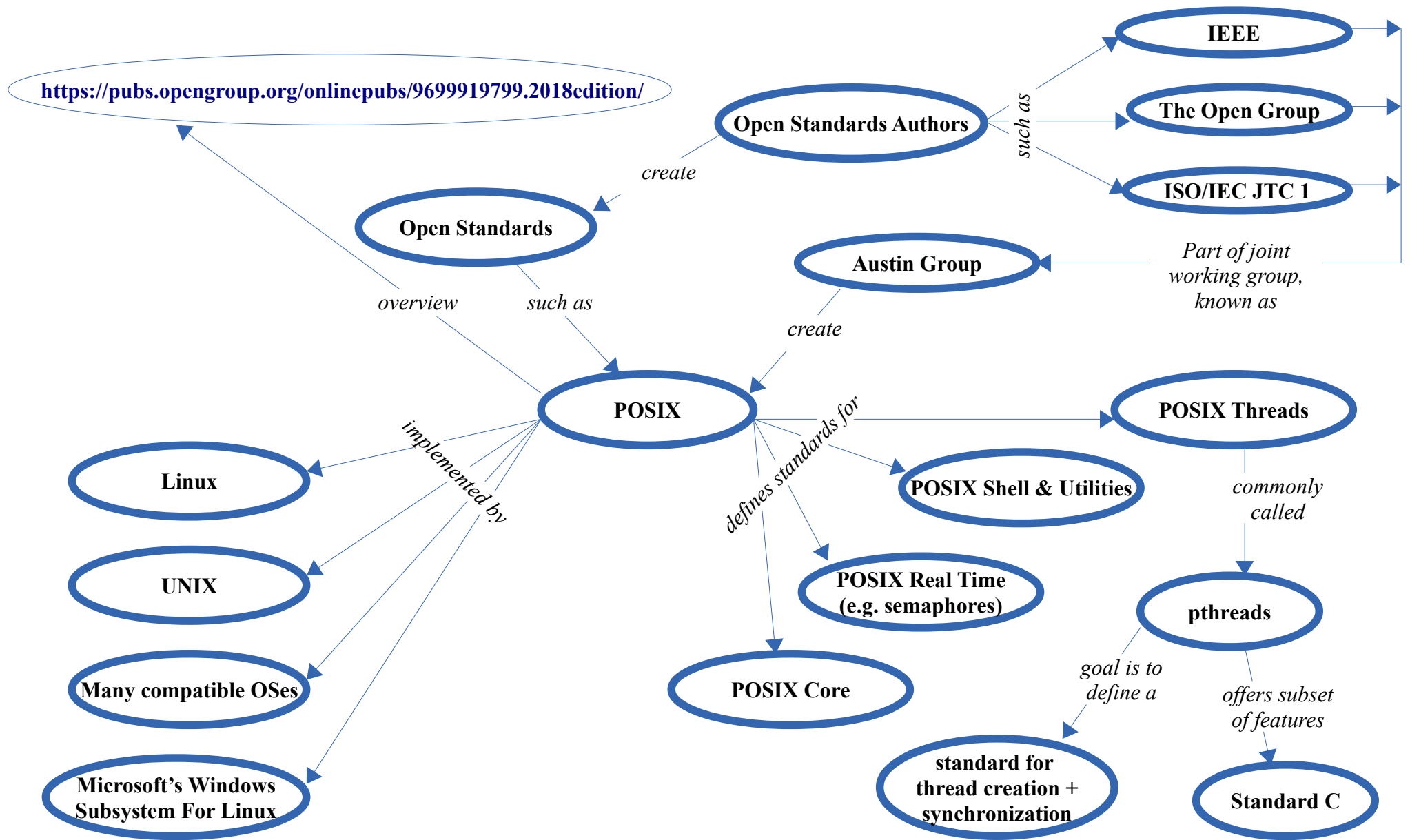


Knowist Live Academy

<https://www.knowist.ac>

Knowist Concept Map For pthreads

POSIX And pthreads Ecosystem
pthreads Overview
Thread Management
Thread Specific Storage
Mutexes
Condition Variables
Barriers
Readers/Writer Locks
Spin Locks
pthreads and Standard C Threads

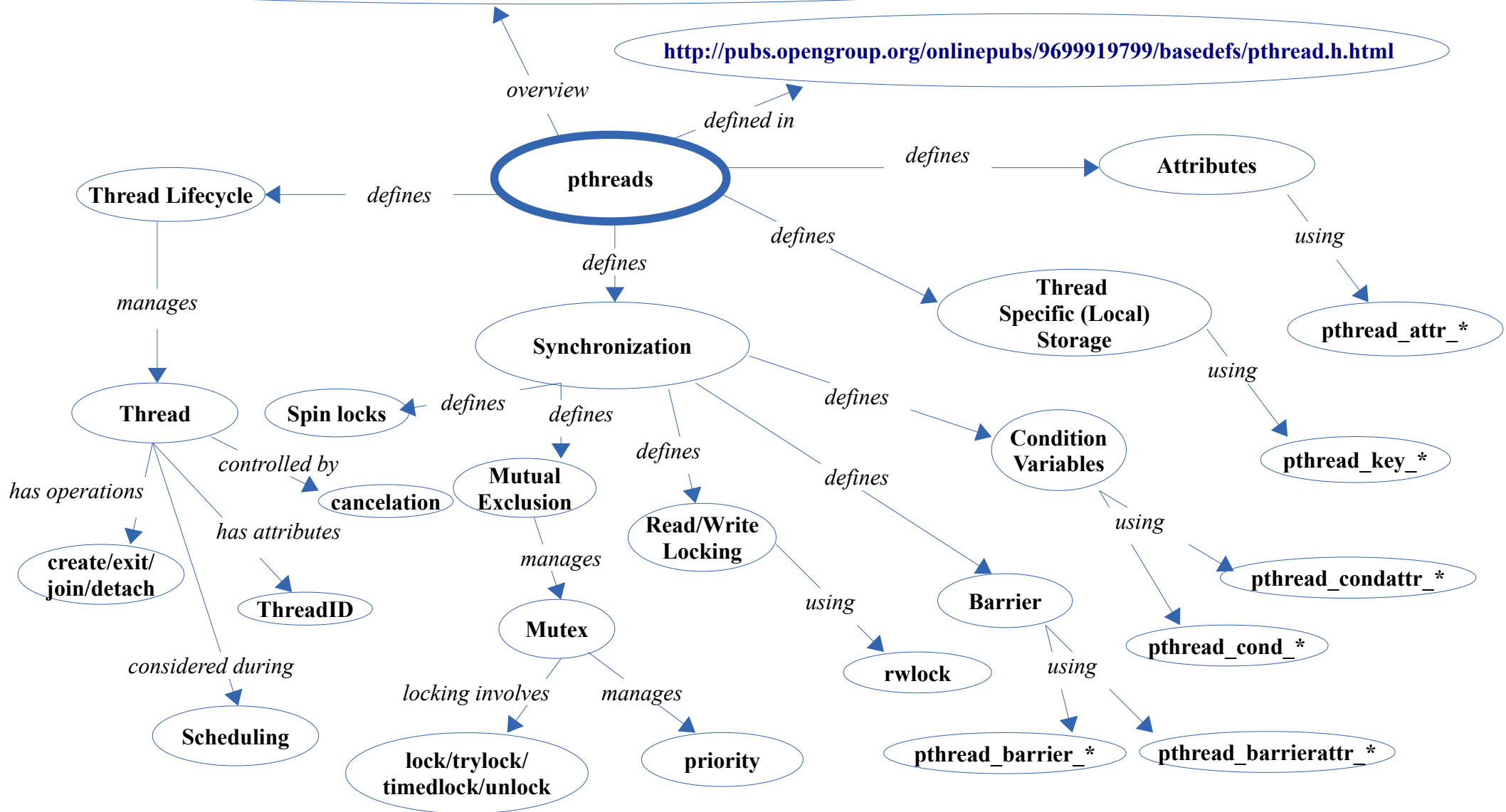


POSIX And pthreads Ecosystem

pthread Overview

https://pubs.opengroup.org/onlinepubs/9699919799.2018edition/functions/V2_chap02.html#tag_15_09

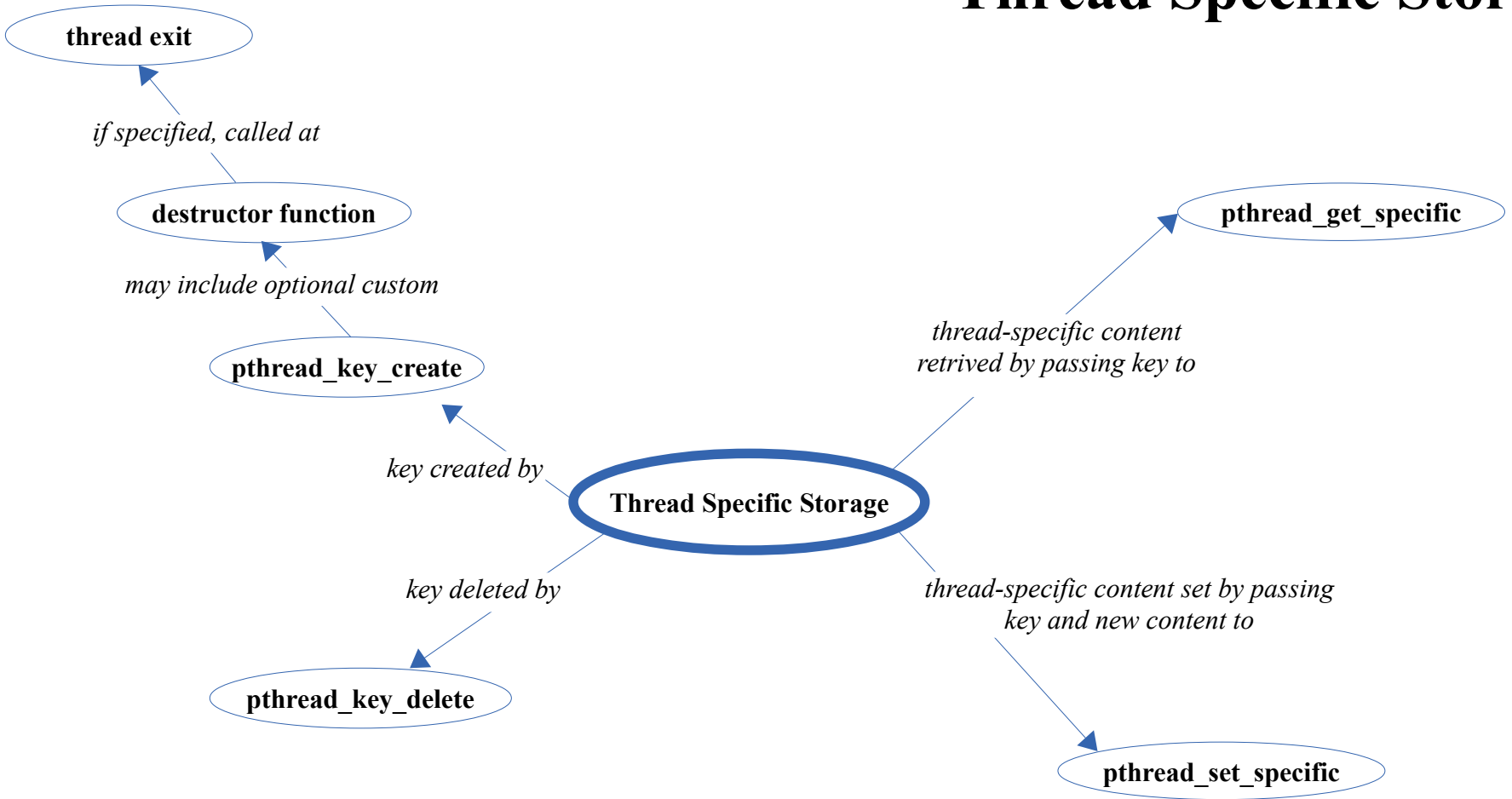
<http://pubs.opengroup.org/onlinepubs/9699919799/basedefs/pthread.h.html>



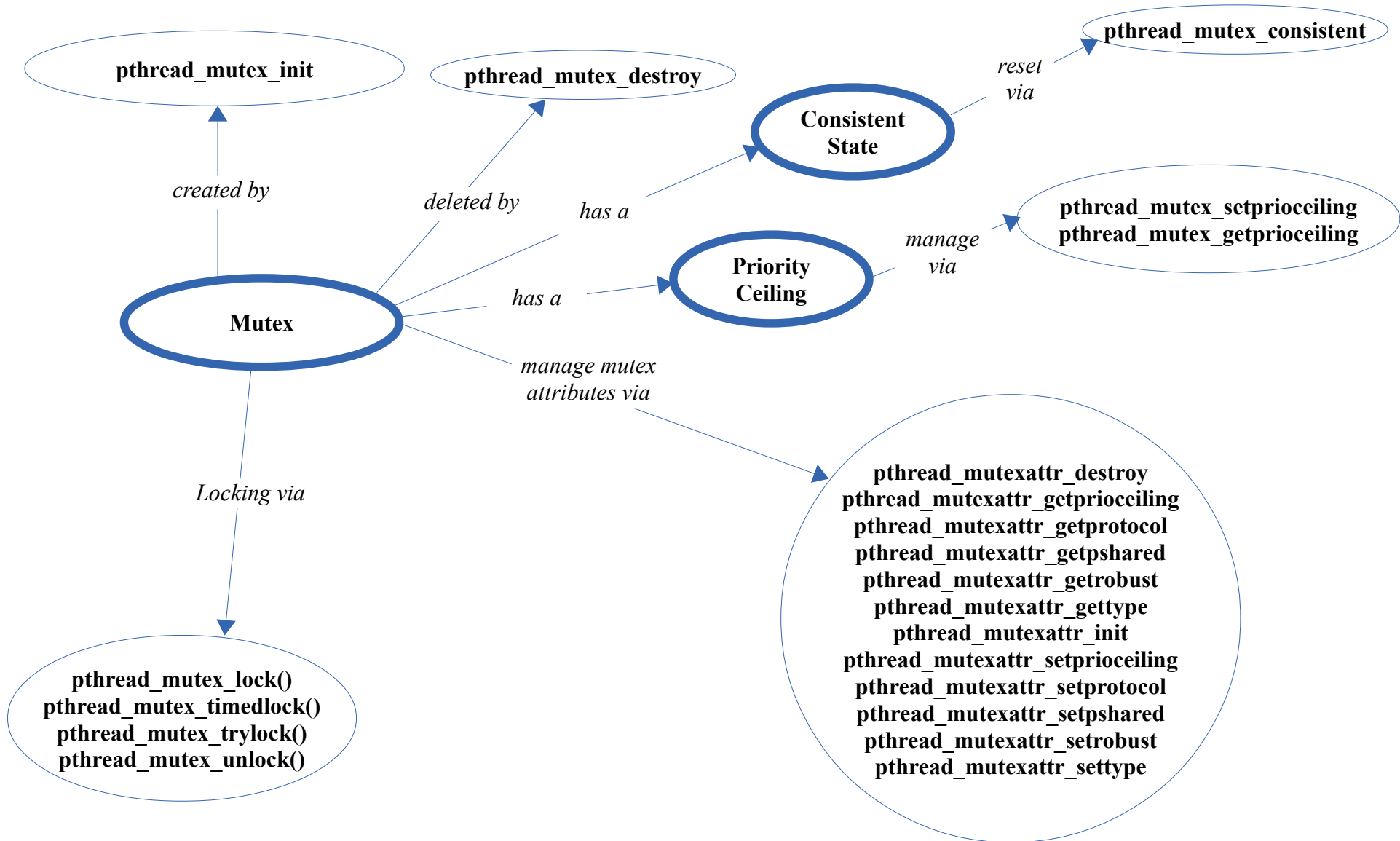


Thread Management

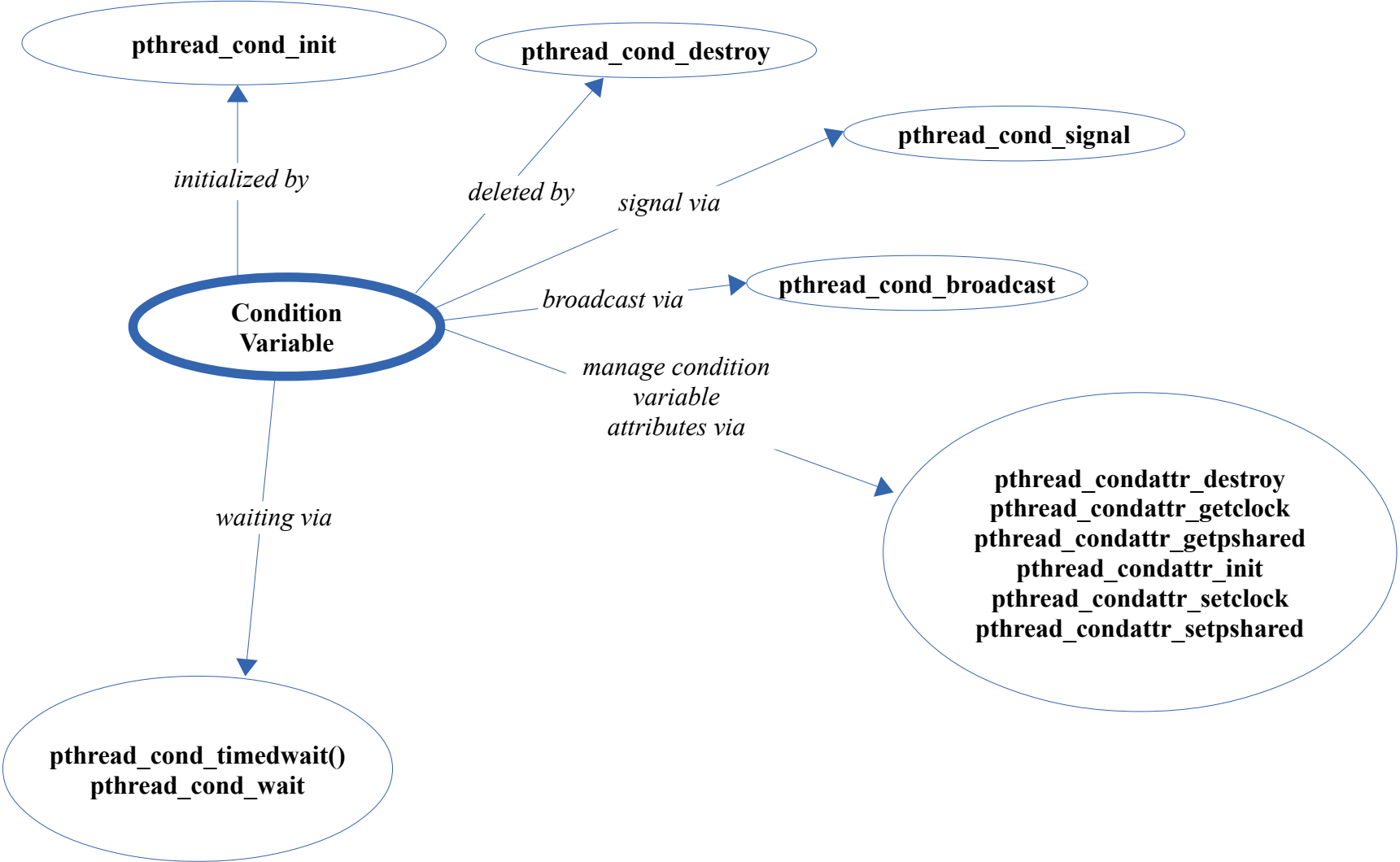
Thread Specific Storage



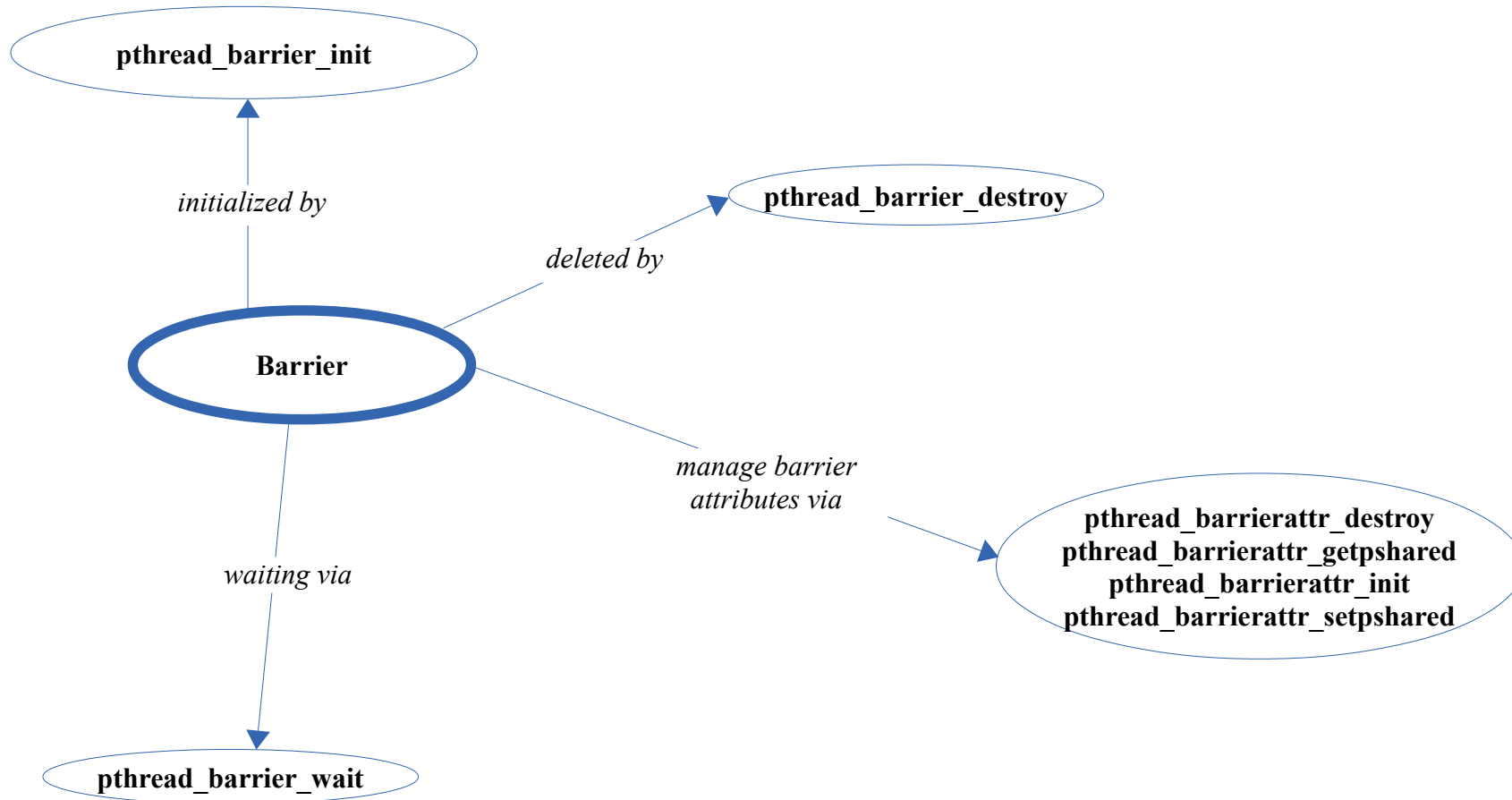
Mutexes



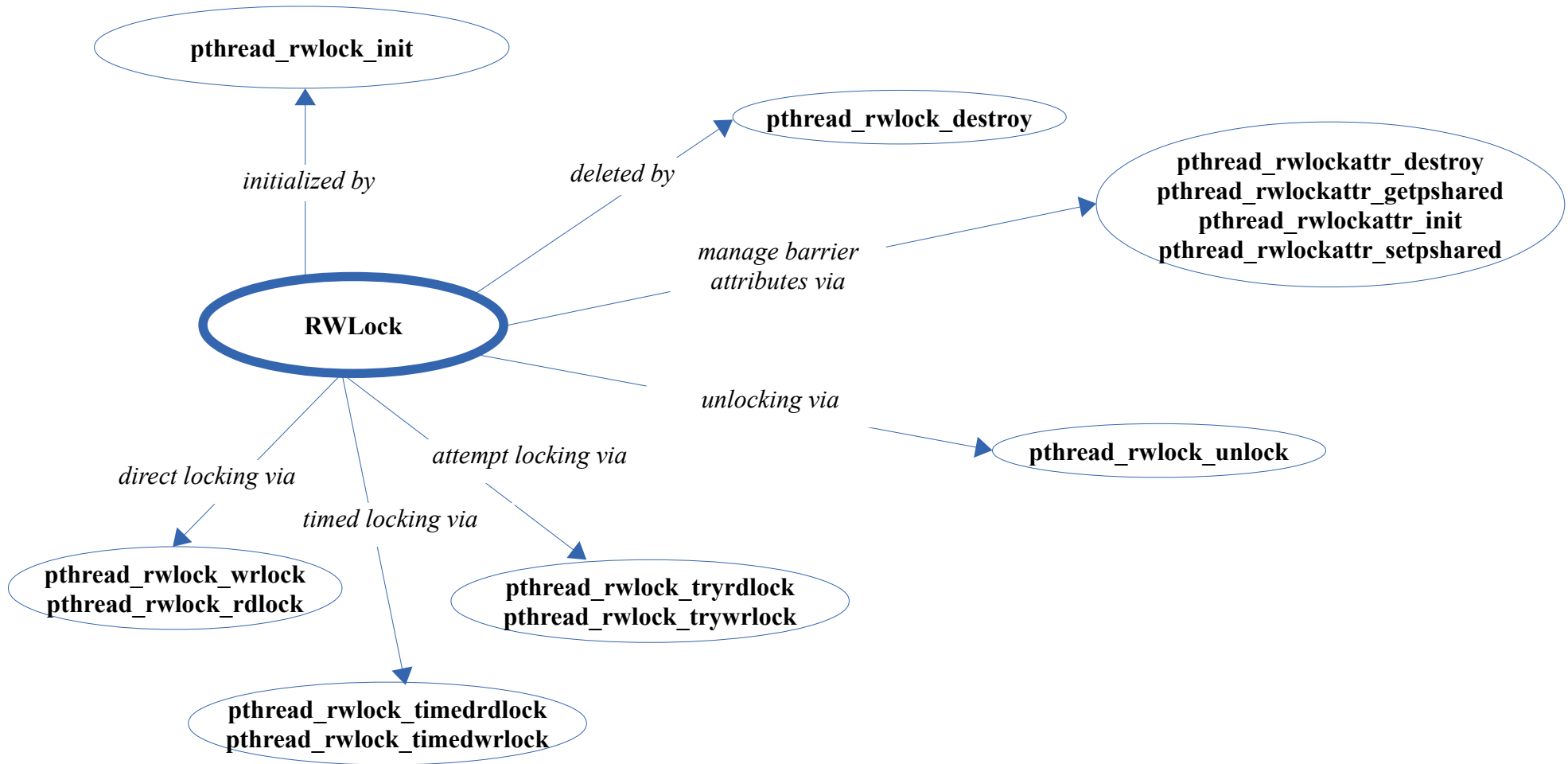
Condition Variables



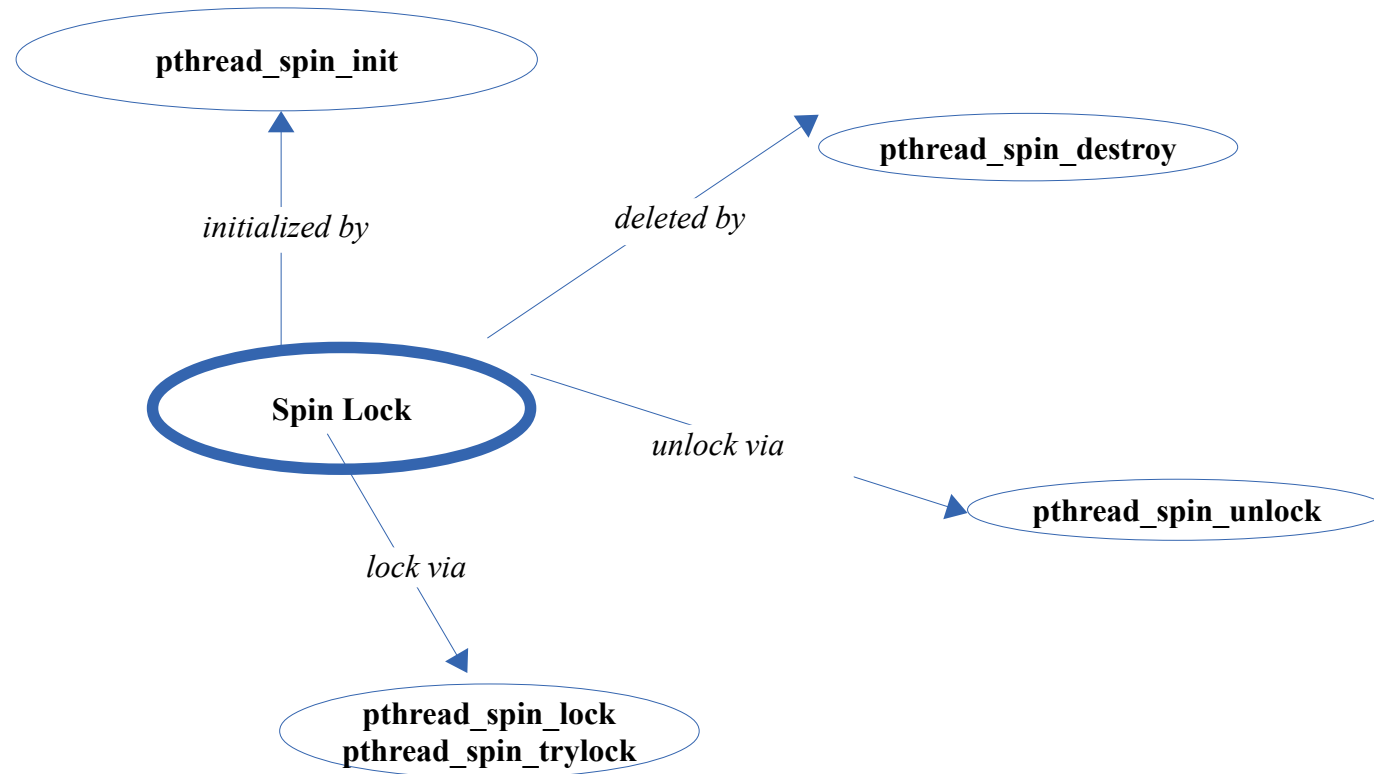
Barriers



Readers/Writer Locks



Spin Locks



pthread and Standard C Threads

Note: Modern C defines a collection of multithreading APIs, a subset of pthread functionality, more widely available than pthread (e.g. on non-POSIX OSes)

