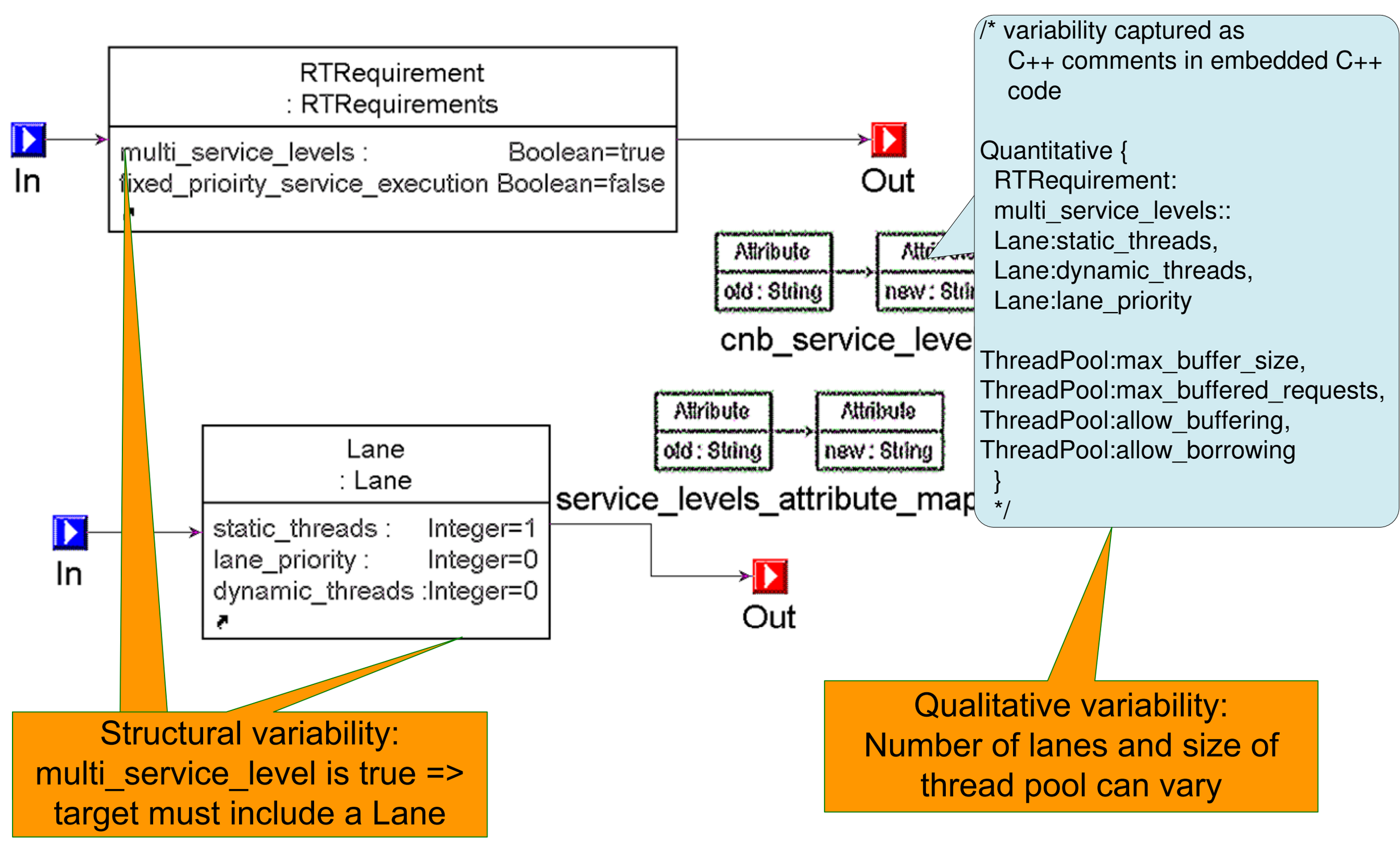
RTRequirement
: RTRequirements
multi_service_levels : Boolean=true
fixed_prioirty_service_execution Boolean=false
In
Out
Attribute
old : String
new : Stri
cnb_service_leve
Attribute
old : String
Attribute
new : String
service_levels_attribute_map
Lane
: Lane
static_threads : Integer=1
lane_priority : Integer=0
dynamic_threads :Integer=0
In
Out
/* variability captured as
C++ comments in embedded C++
code
Quantitative {
RTRequirement:
multi_service_levels::
Lane:static_threads,
Lane:dynamic_threads,
Lane:lane_priority
ThreadPool:max_buffer_size,
ThreadPool:max_buffered_requests,
ThreadPool:allow_buffering,
ThreadPool:allow_borrowing
}
*/
Structural variability:
multi_service_level is true =>
target must include a Lane
Qualitative variability:
Number of lanes and size of
thread pool can vary