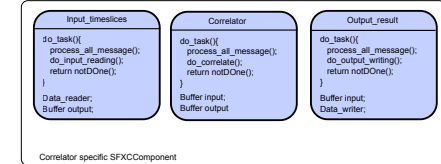
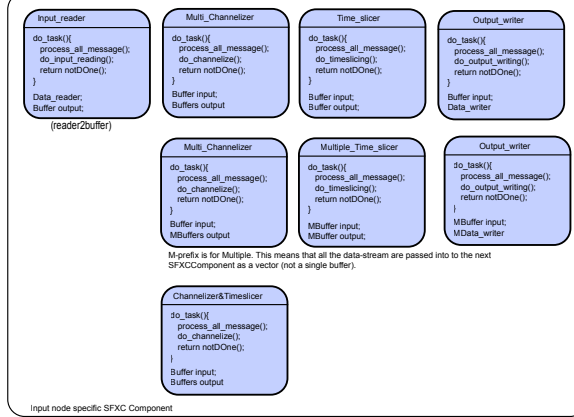
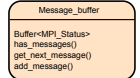


Choose a name for this "object"

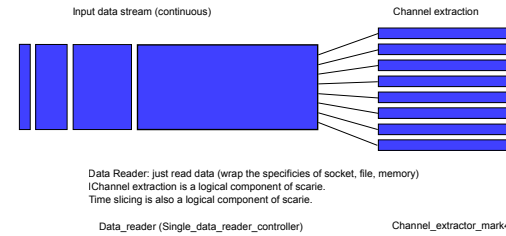
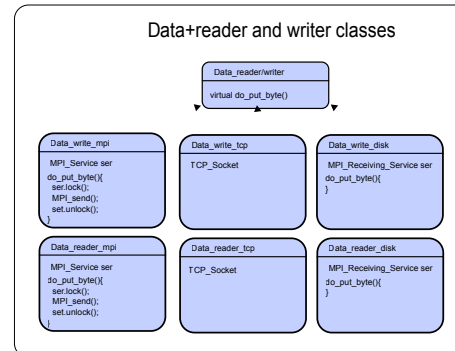
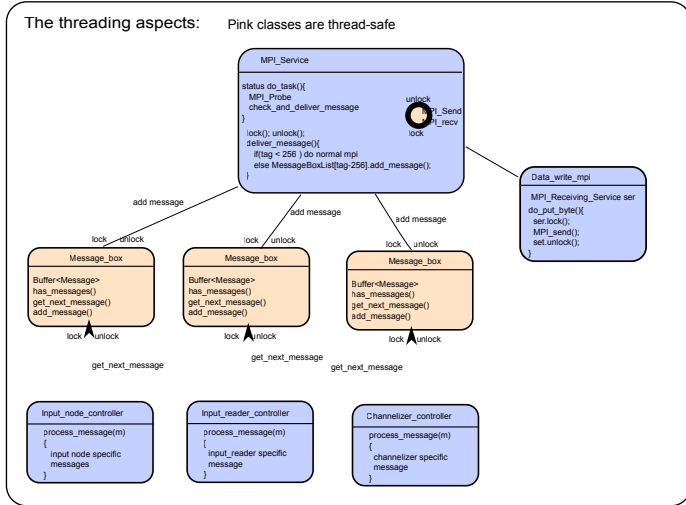


```

Tasksetpool_sequential
run()
while( !pool.empty() )
{
    Task = pool.dequeue();
    if( task.do_task() ) pool.queue(task);
}
}

Example of threading schemes:
- sequential tasks (loop around)
- multi-thread tasks by setting explicit mapping:
    Taskset name("input_reader", Taskset name("Output_writer", Taskset name("channelizer")));
Using such design allow to separate application logics (the tasks).
Only the zones shared between the thread-safe parts should be:
    Buffer: produce/consume
    Messaging_service (the mpi)

Solution to handle blocking call:
    pool.add_thread("Blocking", task);
Taskset2 taskset_nonblocking1;
Taskset2 taskset_nonblocking2;
pool.add_thread("Non Blocking", task);
pool.add_thread("Blocking", task);
pool.add_thread("Blocking", task);
=> for_each(tasksetpool.begin(), tasksetpool.end(), tasksetpool.threaded);
Tasksetpool.threaded(tasksetpool);
Tasksetpool.threaded(tasksetpool);
Tasksetpool.threaded(tasksetpool);
    
```



Relationship diagram

