

Assignment 3.3

Same as 3.2, with buffer size = **2048000000** B(~2GB)

Also added the MPI IO Hints:

1. romio_ds_read = enable

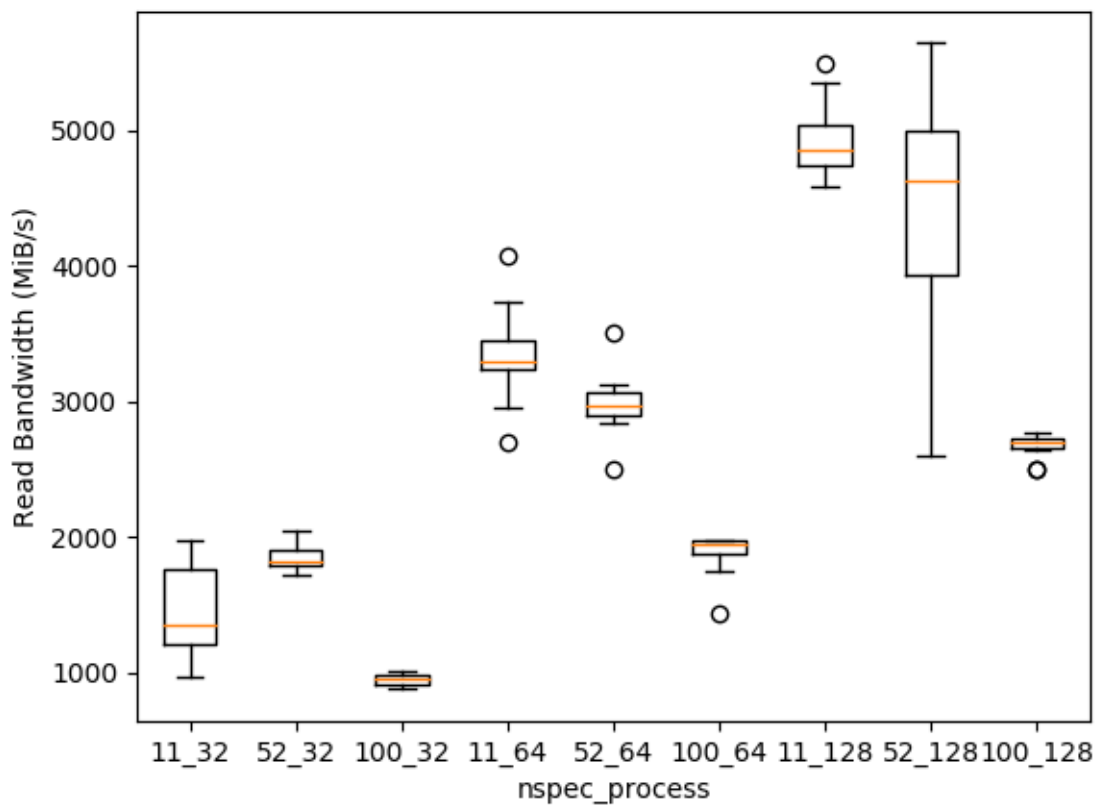
romio_ds_write=enable

2. cb_buffer_size tried with different size get best for 26214400 .

3. cb_config_list = *:2

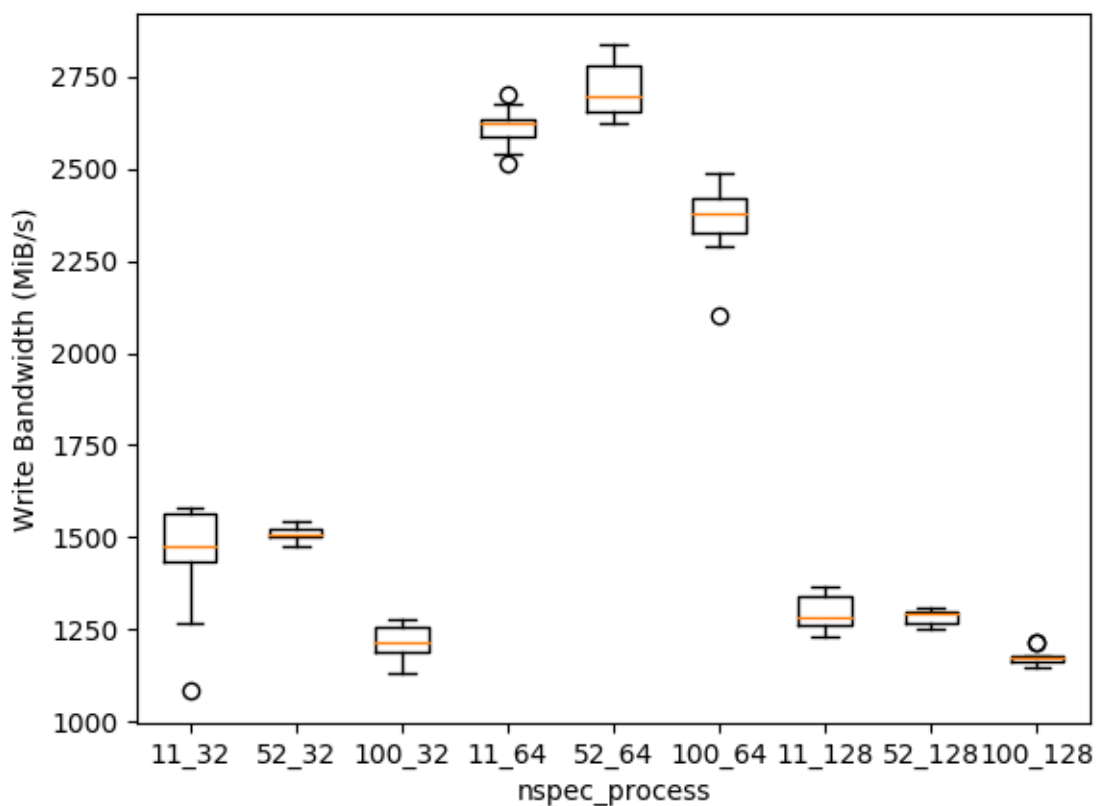
Performance increased

Plots:



Observations:

1. Bandwidth increases with increase in nodes for particular species count.
2. Read bandwidth is more than write bandwidth.
3. Also for nsc=100, the bandwidth is less.



Observations:

1. Write Bandwidth increases with 8 nodes, but it gets decrease with 16 nodes.
2. Also for nsc=100, the bandwidth is less.
3. Write bandwidth varies a lot in this case, may be due to load