

Assignment 3.2

Modified the Non blocking I/O call

Used buffered put with buffer size = 204800000 B

Replcaing with nfmpi_bput_vara_double()

Bandwidth was increasing.

Also added the MPI IO Hints:

1. romio_ds_read = enable

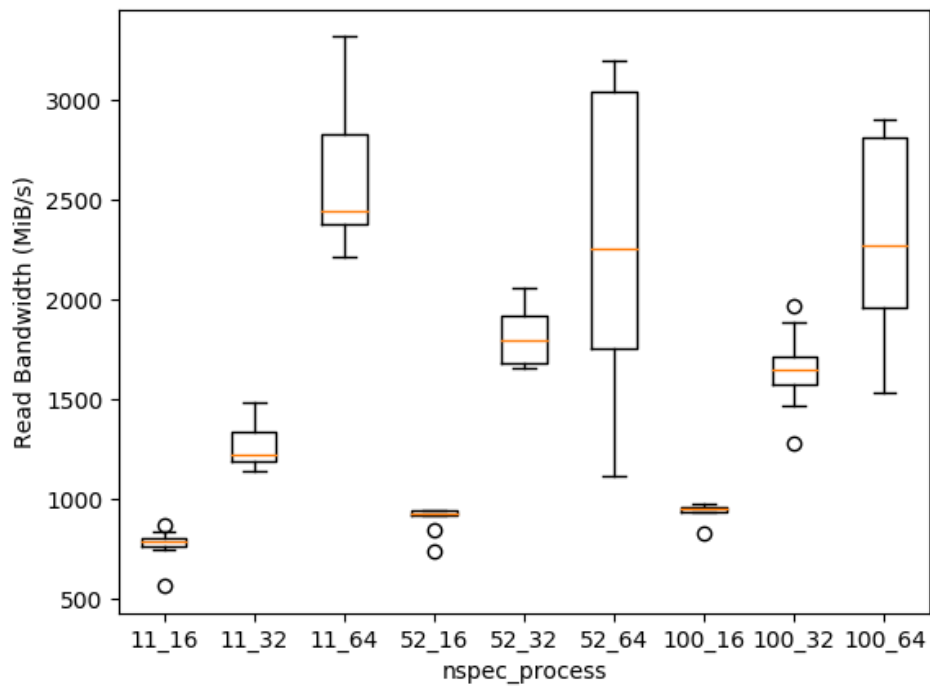
romio_ds_write=enable

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

3. cb_config_list = *:2

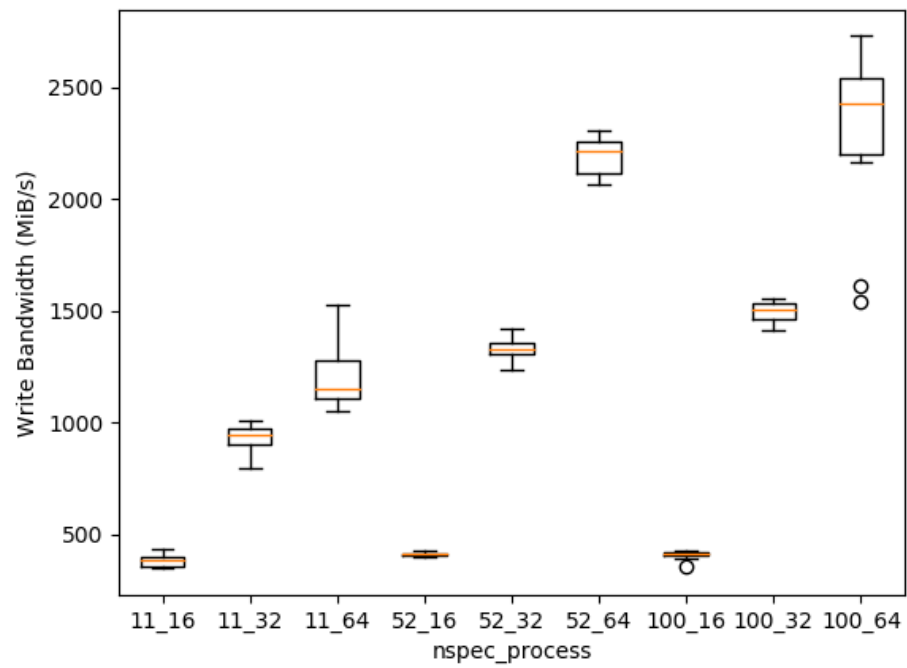
Performance increased

Plots:



Observations:

1. Bandwidth increases with increase in nodes for particular species count.
2. Read bandwidth is more than write bandwidth.



Observations:

1. Bandwidth increases with increase in nodes for particular species count.