

# Week 6 results

Try to use read/write size instead of read/write number to show the performance on LASR trace.

Try to apply the algorithm on ALCF trace.

## Parameter settings:

Trace file: LASR trace and ALCF trace

Edge adding window: 10s

Edge expire window: 1 day

Update period: 1day

Using fixed ssd capacity ratio to control the data placement instead of using threshold.

Three metrics for placement:

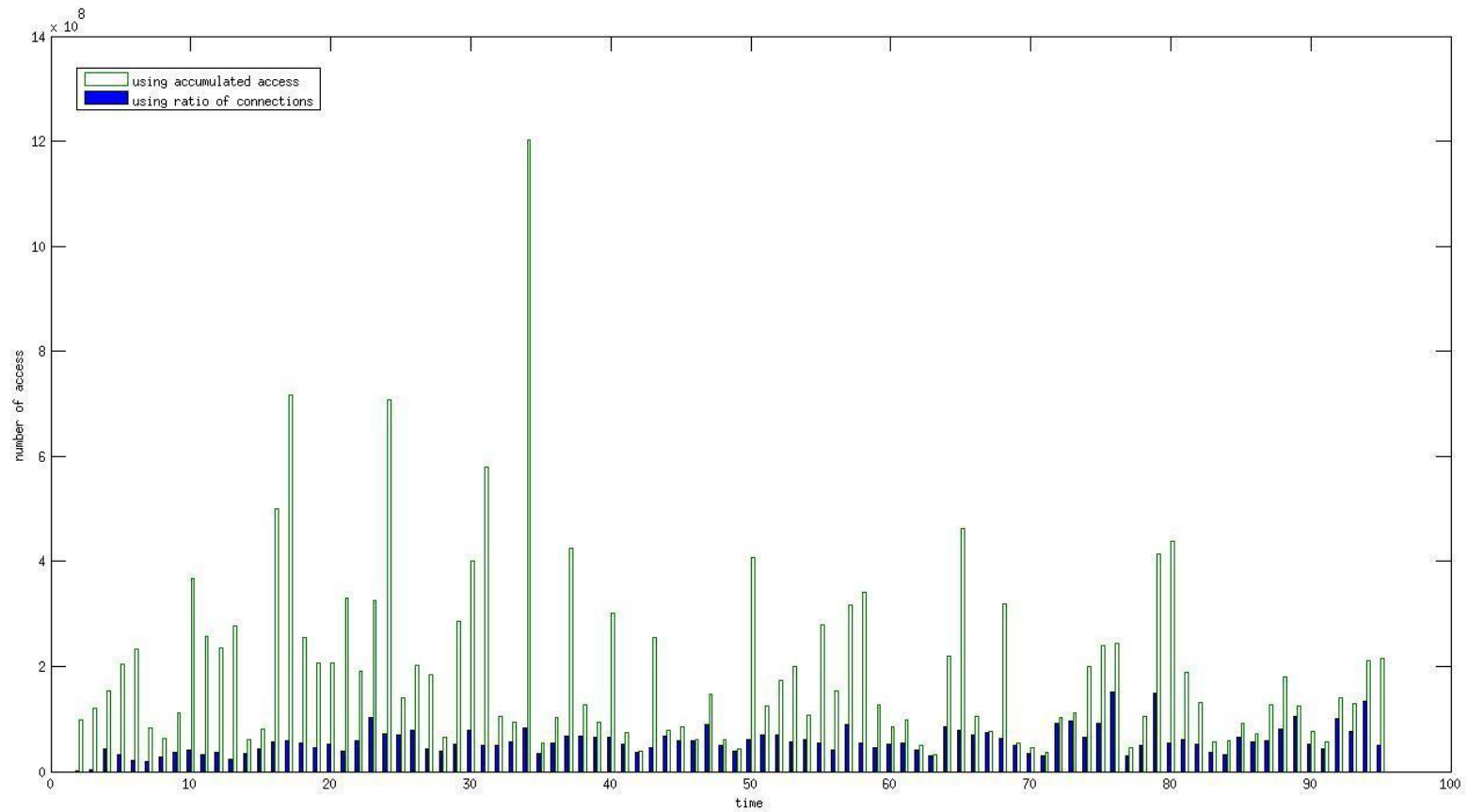
1. Ratio of connections from SSD (Main metric):  
number of connections with neighbors in SSD / number of connections with all neighbors
2. Accumulated access frequency:  
number of access.

## Results:

Both of experiments have poor performance. But using accumulated access frequency is still better than using ratio of connections (graph based).

I have not draw the overall access, because if I draw them on the same figure, you can hardly see the access from SSD.

1. Performance comparison for LASR traces when using access size instead of access count



## 2. Performance comparison for ALCF traces

