

1 Plotting all figures

1.1

Cluster and Node Placement Times (s)

services	cluster-placement-time	node-placement-time
light-memory	0,00	2,70
medium-memory	0,00	2,80
large-memory	0,00	2,70
mixture-memory	0,00	2,50

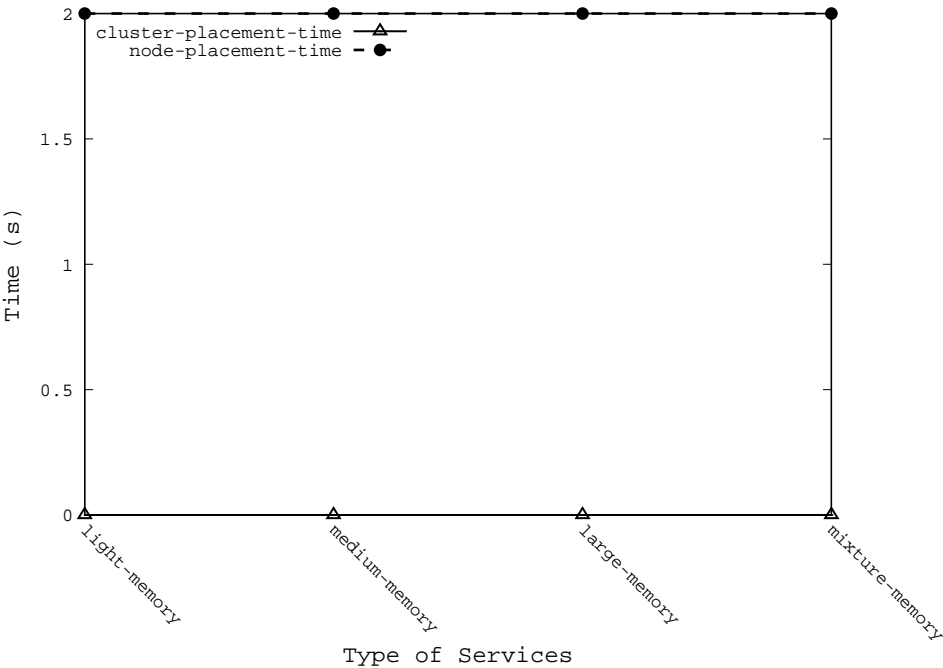


Fig. 1.

1.2

Cluster CPU Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-memory	100,00	33,80	99,30
medium-memory	100,00	33,00	99,80
large-memory	100,00	99,80	74,70
mixture-memory	100,00	33,00	99,80

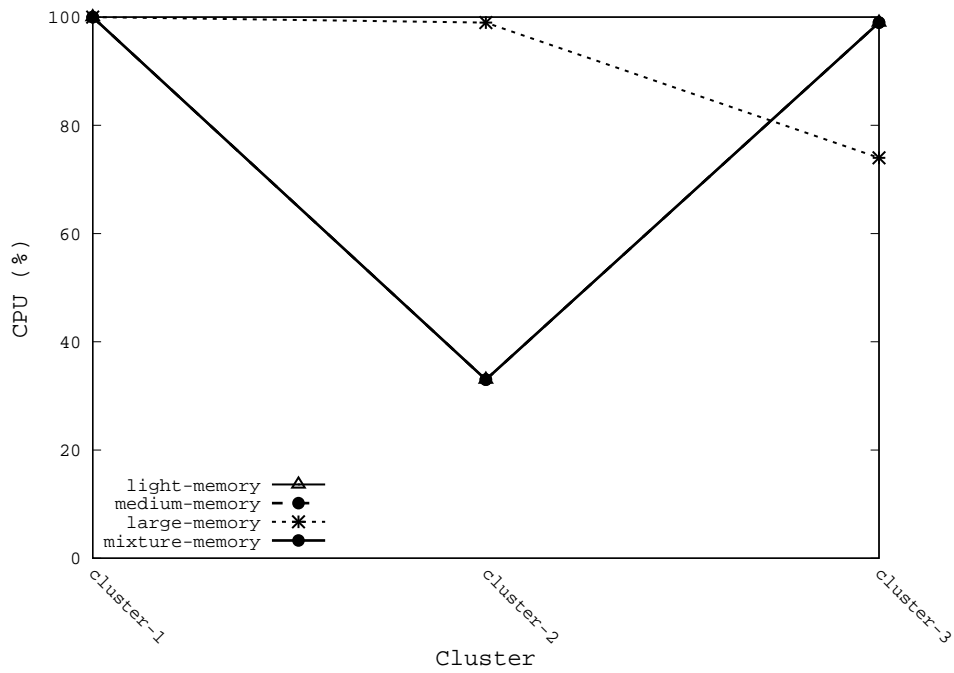


Fig. 2.

1.3

Cluster Memory Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-memory	6,00	2,00	7,90
medium-memory	25,00	8,00	33,00
large-memory	100,00	100,00	100,00
mixture-memory	6,00	2,00	45,00

1.4

Cluster Node Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-memory	100,00	36,30	100,00
medium-memory	100,00	33,00	100,00
large-memory	100,00	100,00	100,00
mixture-memory	100,00	33,00	100,00

1.5

Node CPU Utilization (%)

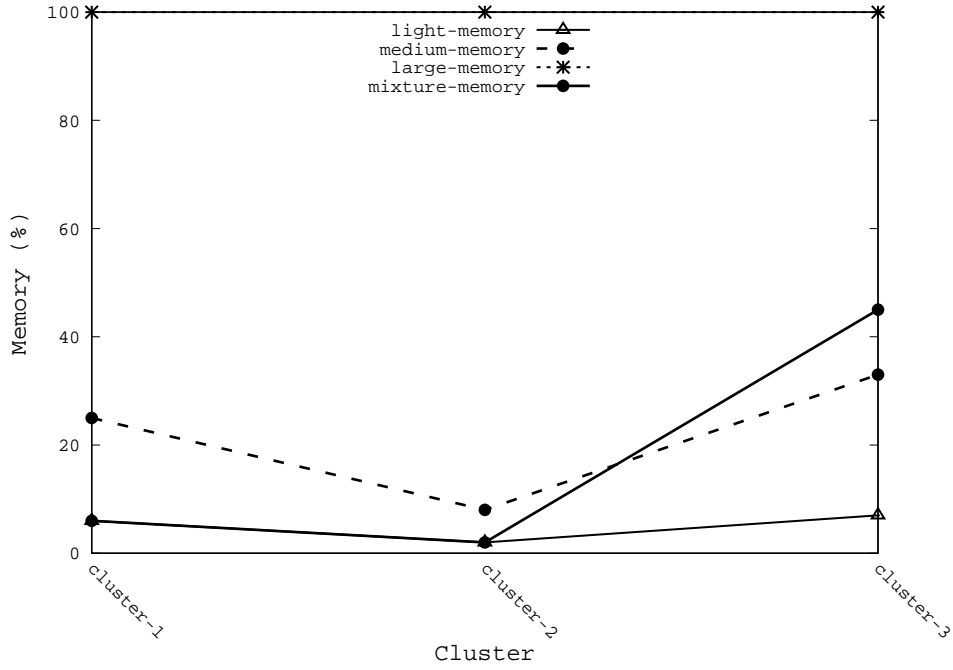


Fig. 3.

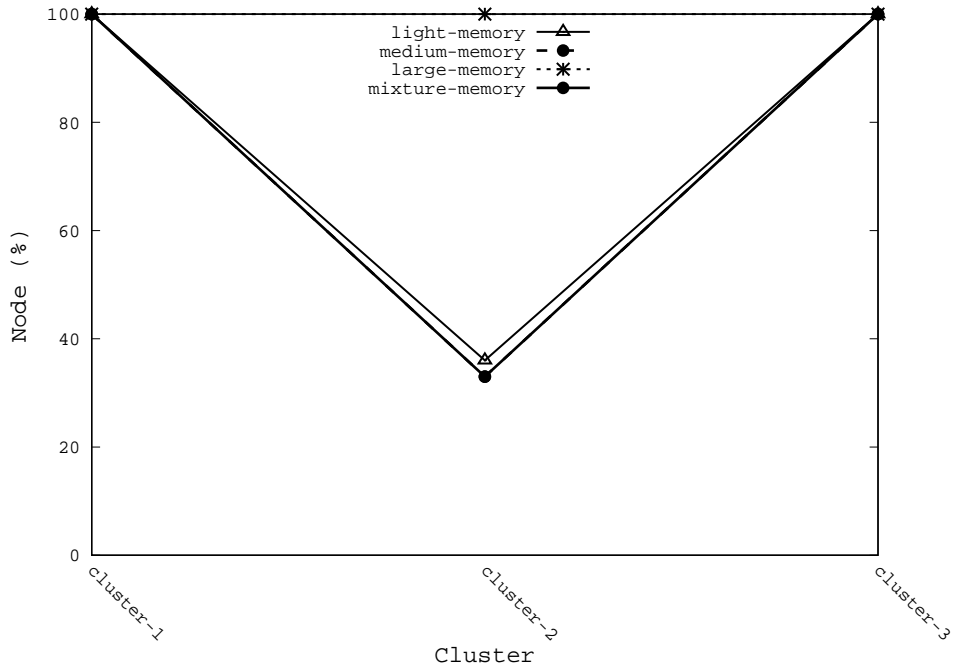


Fig. 4.

nodes	cluster-1-node1	cluster-1-node2	cluster-2-node1	cluster-2-node2	cluster-2-node3	cluster-3-node1	cluster-3-node2	cluster-3-node3	cluster-3-node4
light-memory	100,00	100,00	100,00	2,50	0,00	99,90	99,80	99,60	98,40

medium-memory	100,00	100,00	99,90	0,00	0,00	99,80	99,60
	99,40	99,70					
large-memory	100,00	100,00	100,00	99,70	99,90	74,70	
	74,90	74,80	74,70				
mixture-memory	100,00	100,00	99,90	0,00	0,00	99,70	
	99,70	99,80	99,80				

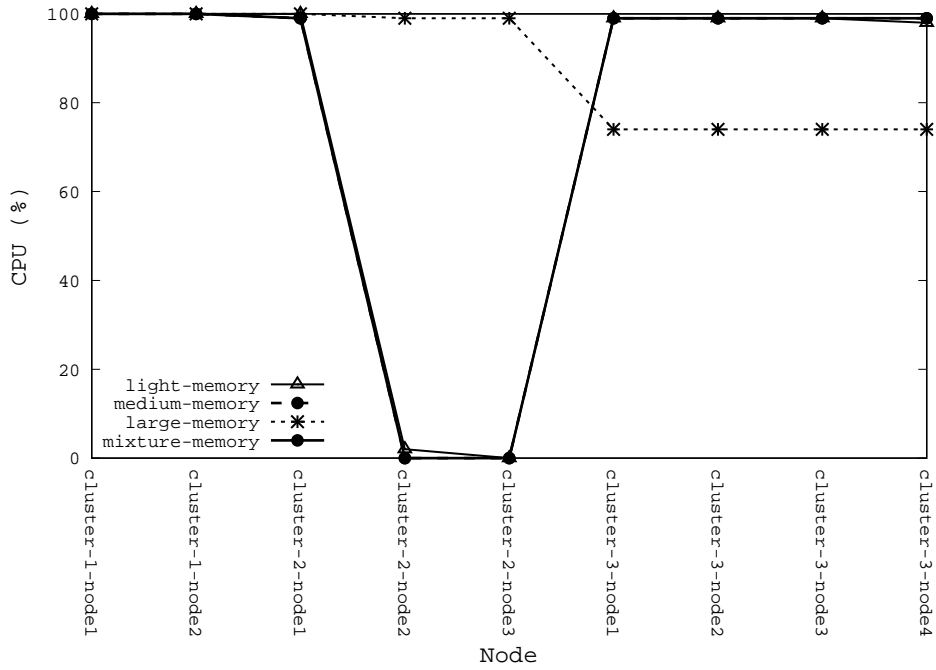


Fig. 5.

1.6

Node Memory Utilization (%)

nodes	cluster-1-node1	cluster-1-node2	cluster-2-node1	cluster-2-node2	cluster-2-node3	cluster-3-node1	cluster-3-node2	cluster-3-node3	cluster-3-node4
light-memory	6,00	6,00	6,00	0,10	0,00	8,00	8,00	8,00	7,90
medium-memory	25,00	25,00	25,00	0,00	0,00	33,00	33,00	33,00	33,00
large-memory	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00
mixture-memory	6,00	6,00	6,00	0,00	0,00	83,00	8,00	83,00	8,00

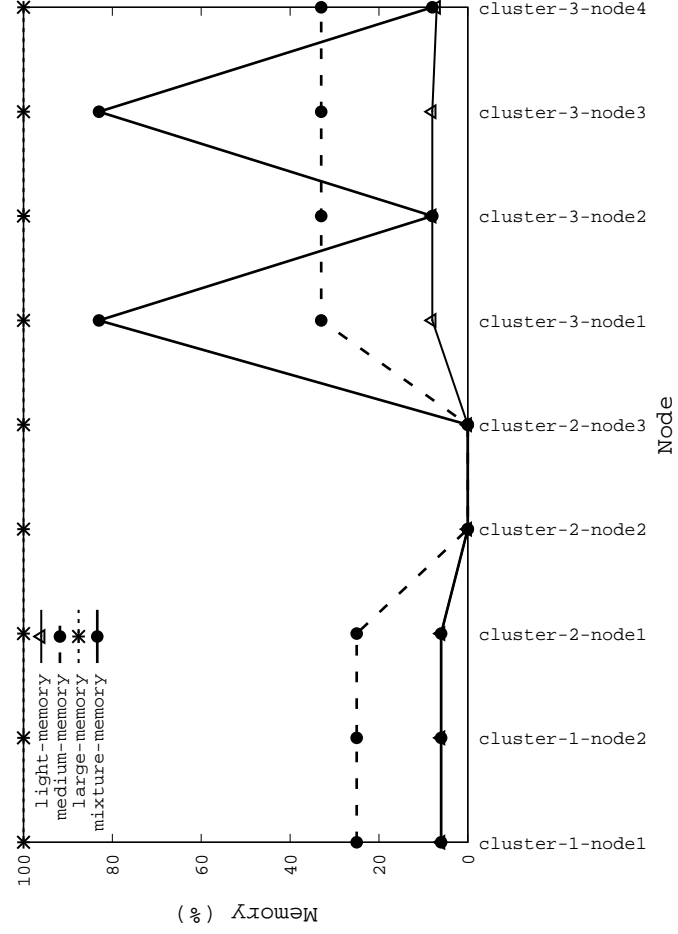


Fig. 6.