

1 Plotting all figures

1.1

Cluster and Node Placement Times (s)

services	cluster-placement-time	node-placement-time
light-cpu	0,40	7,00
medium-cpu	0,00	2,60
large-cpu	0,00	1,50
mixture-cpu	0,20	4,00

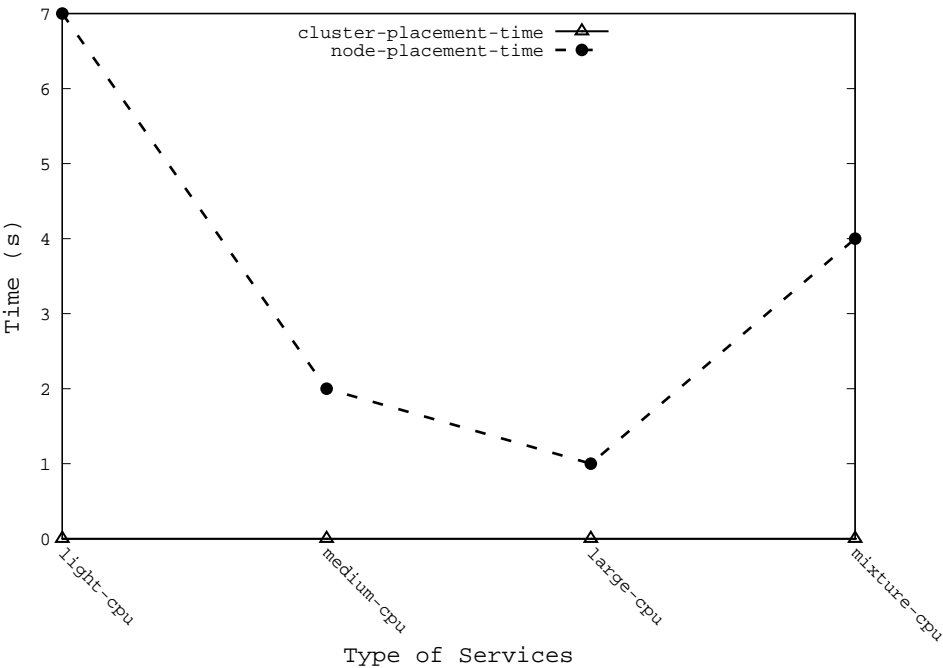


Fig. 1.

1.2

Cluster CPU Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-cpu	99,80	0,00	30,00
medium-cpu	100,00	38,60	97,10
large-cpu	100,00	36,40	98,40
mixture-cpu	99,90	41,00	98,00

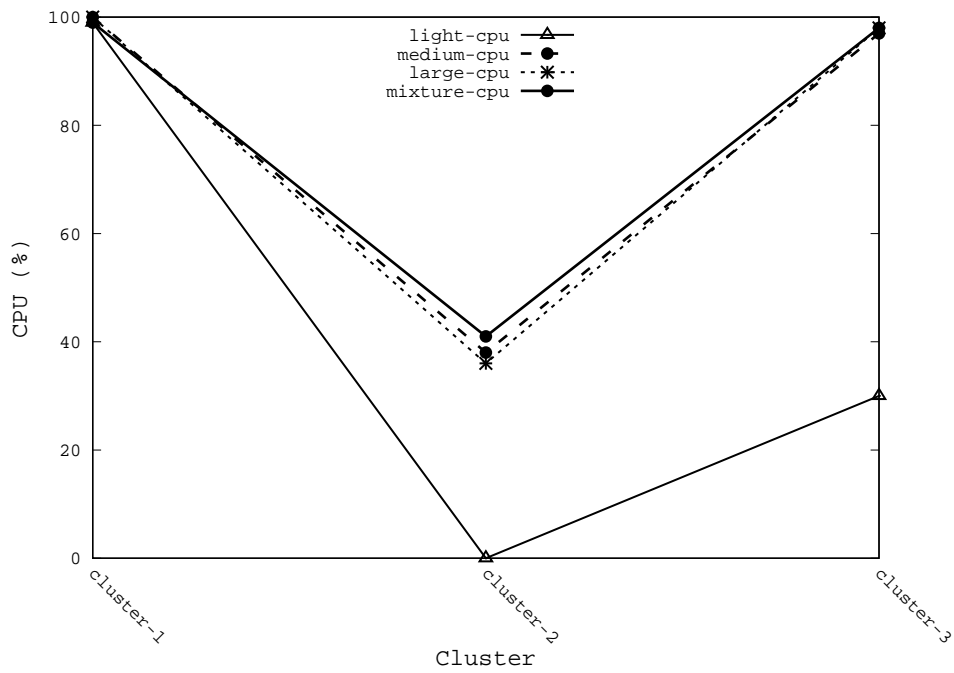


Fig. 2.

1.3

Cluster Memory Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-cpu	12,00	0,00	3,00
medium-cpu	1,00	0,00	1,00
large-cpu	0,00	0,00	0,00
mixture-cpu	9,00	0,00	1,00

1.4

Cluster Node Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-cpu	100,00	0,00	100,00
medium-cpu	100,00	100,00	100,00
large-cpu	100,00	100,00	100,00
mixture-cpu	100,00	100,00	100,00

1.5

Node CPU Utilization (%)

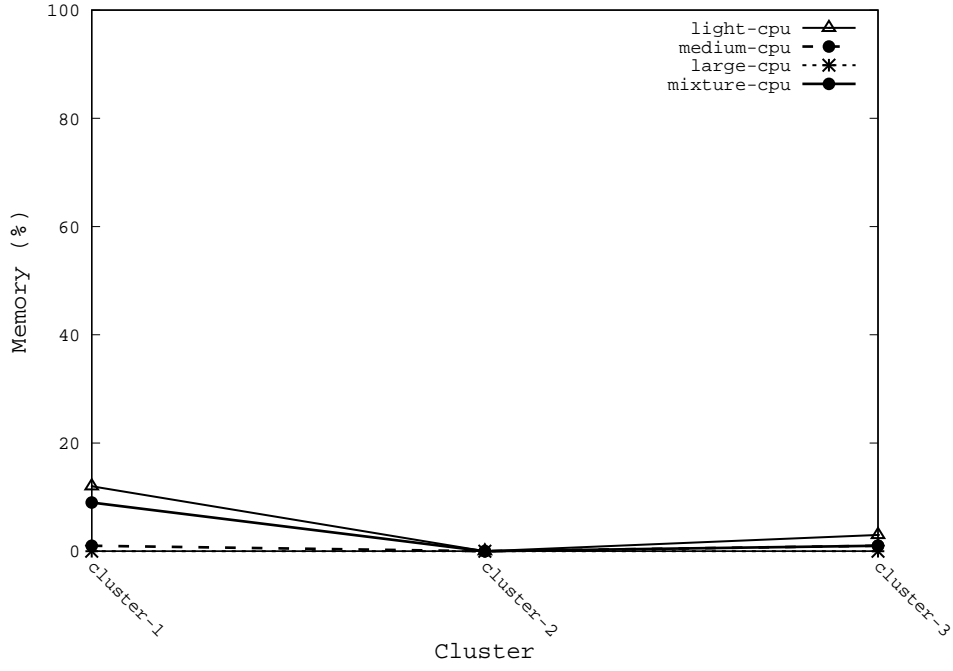


Fig. 3.

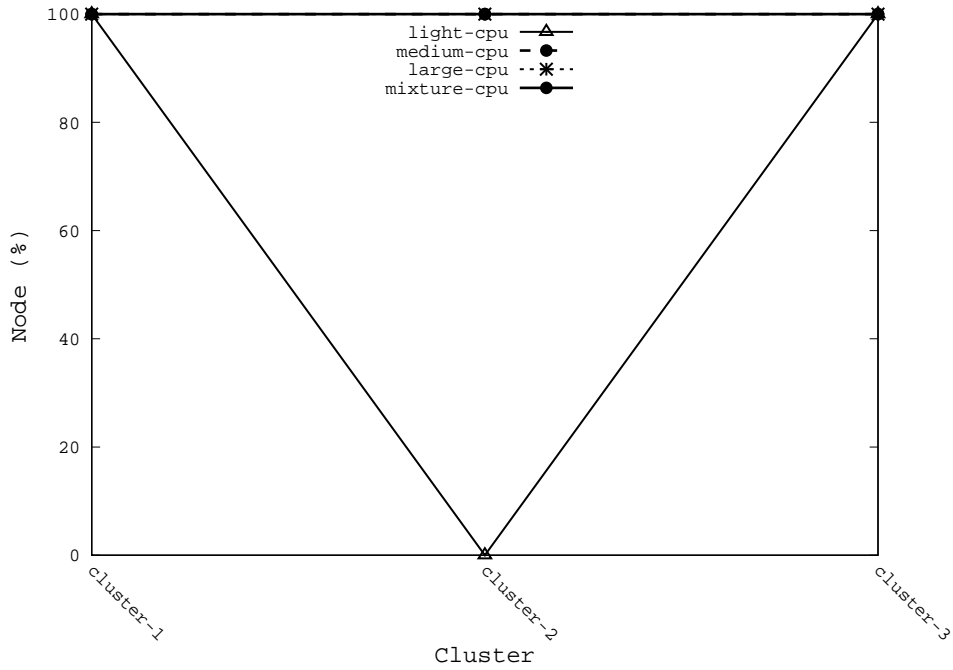


Fig. 4.

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-cpu	99,80	99,90	0,00	0,00	0,00	35,00	85,00	0,00	0,00

medium-cpu	100,00	100,00	100,00	17,50	0,00	99,70	99,70
	99,60	90,90					
large-cpu	100,00	100,00	99,90	10,00	0,00	99,90	99,90
	99,90	94,80					
mixture-cpu	99,90	100,00	100,00	25,00	0,00	99,80	99,90
	93,00	100,00					

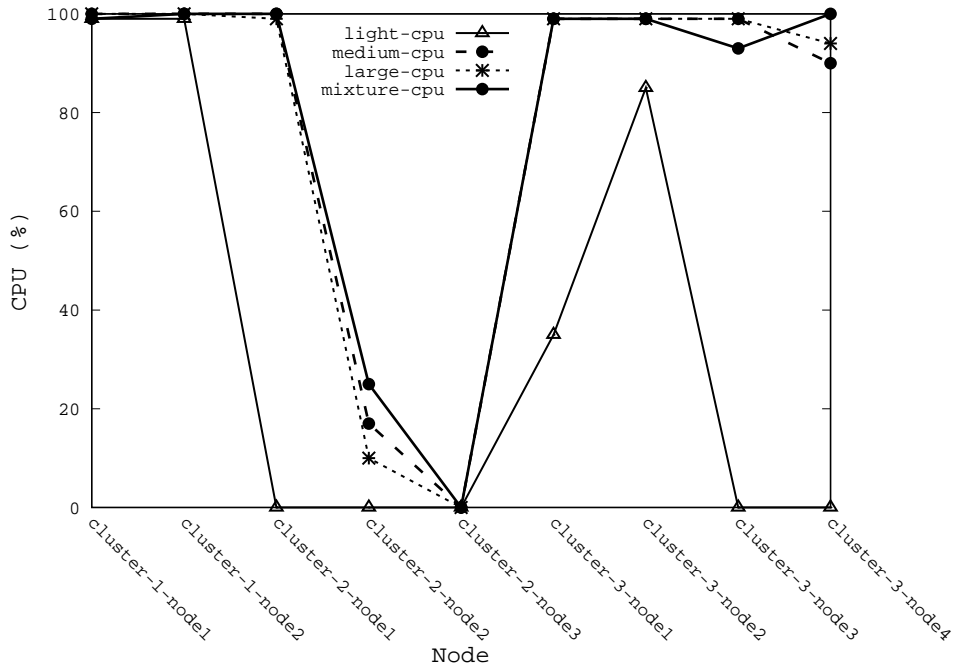


Fig. 5.

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-cpu	12,00	12,00	0,00	0,00	0,00	4,00	10,00	0,00	0,00
medium-cpu	1,00	1,00	1,00	0,00	0,00	1,00	1,00	1,00	1,00
large-cpu	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
mixture-cpu	6,00	12,00	0,00	0,00	0,00	0,00	1,00	3,00	0,00

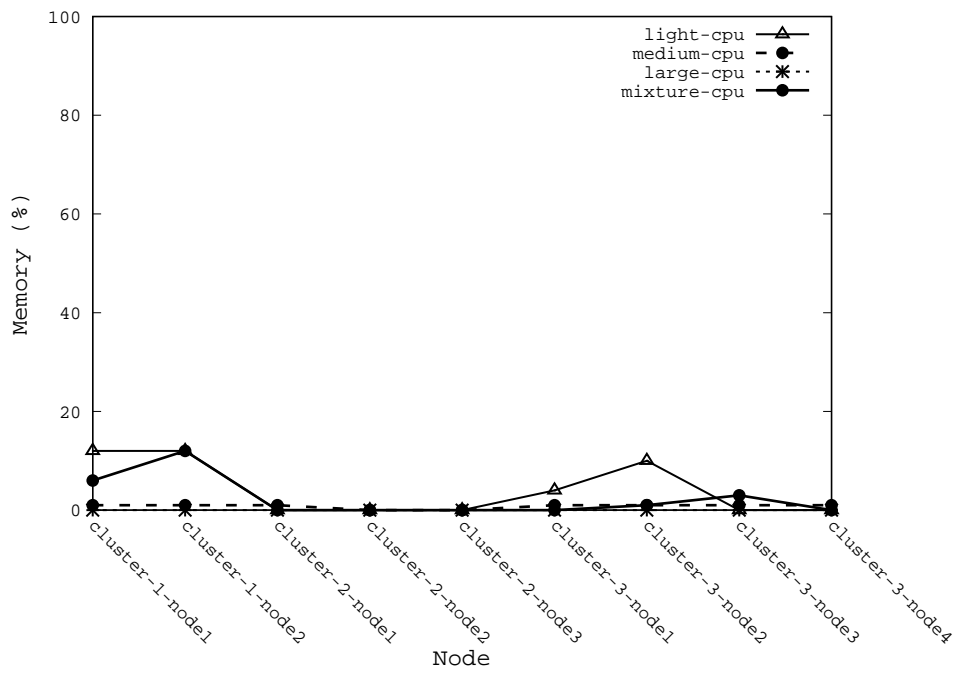


Fig. 6.