

# 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	2,90
large-memory	0,00	2,70
mixture-memory	0,00	2,70

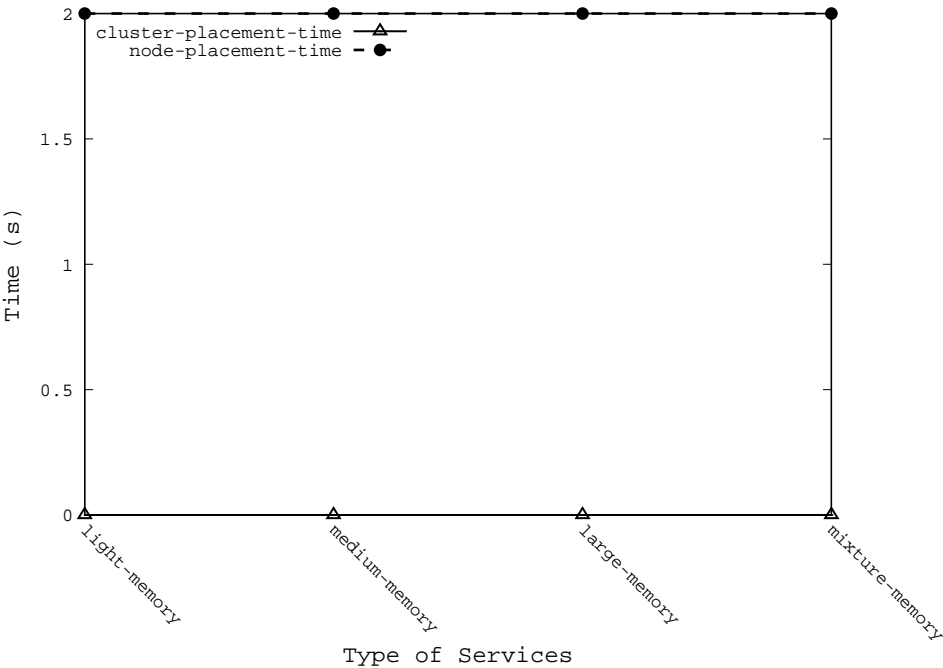


Fig. 1.

## 1.2

Cluster CPU Utilization (%)

clusters	cluster-1	cluster-2	cluster-3
light-memory	100,00	36,20	98,40
medium-memory	100,00	35,40	98,60
large-memory	100,00	99,90	74,80
mixture-memory	100,00	38,60	97,20

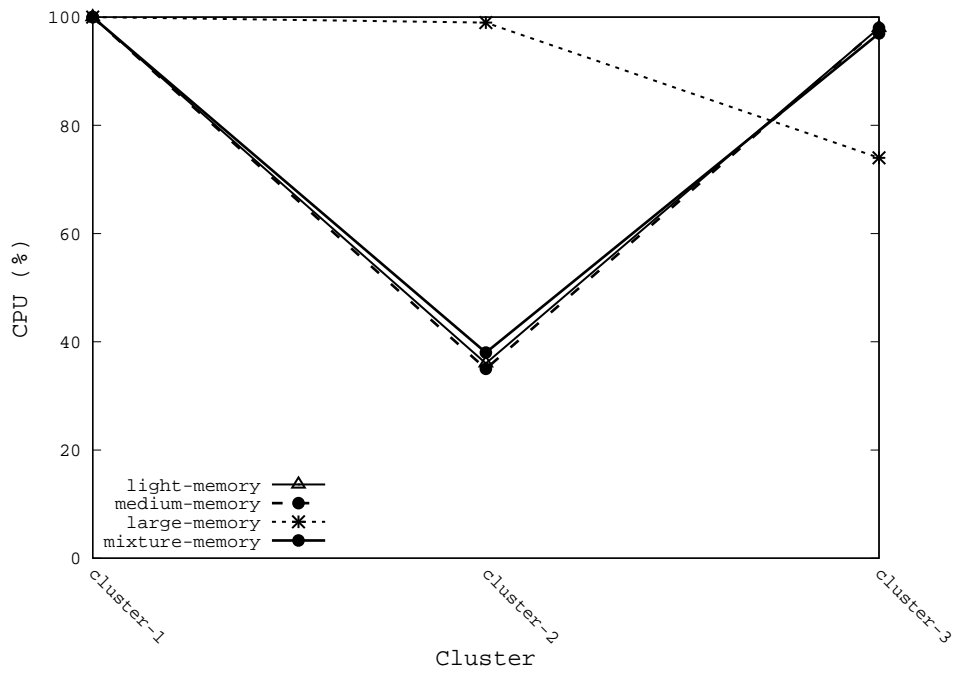


Fig. 2.

### 1.3

Cluster Memory Utilization (%)			
clusters	cluster-1	cluster-2	cluster-3
light-memory	6,00	2,00	7,60
medium-memory	25,00	8,60	32,70
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	100,00	100,00
medium-memory	100,00	93,30	100,00
large-memory	100,00	100,00	100,00
mixture-memory	100,00	100,00	100,00

### 1.5

Node CPU Utilization (%)

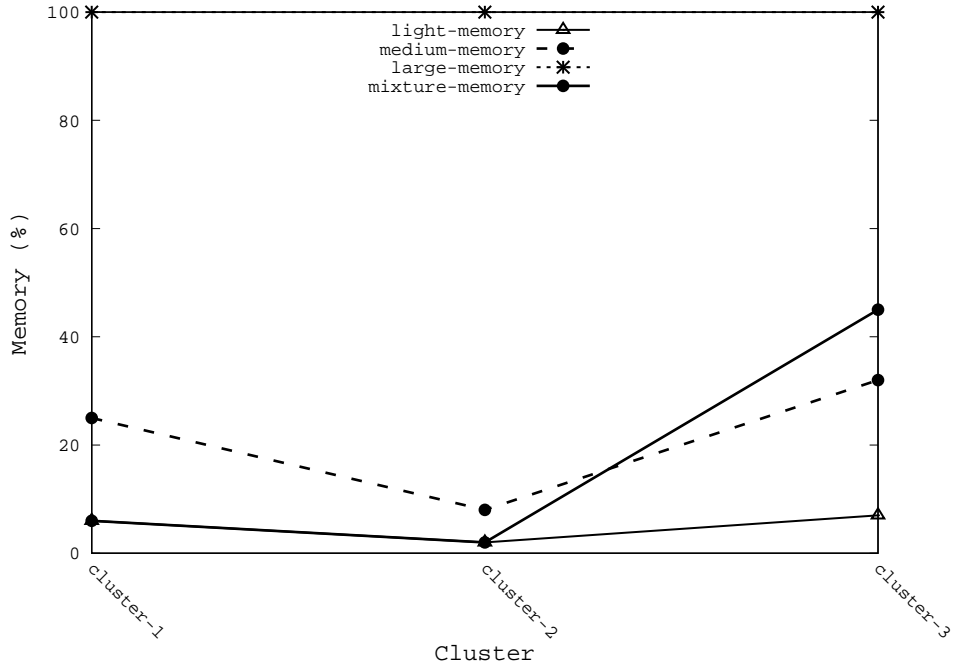


Fig. 3.

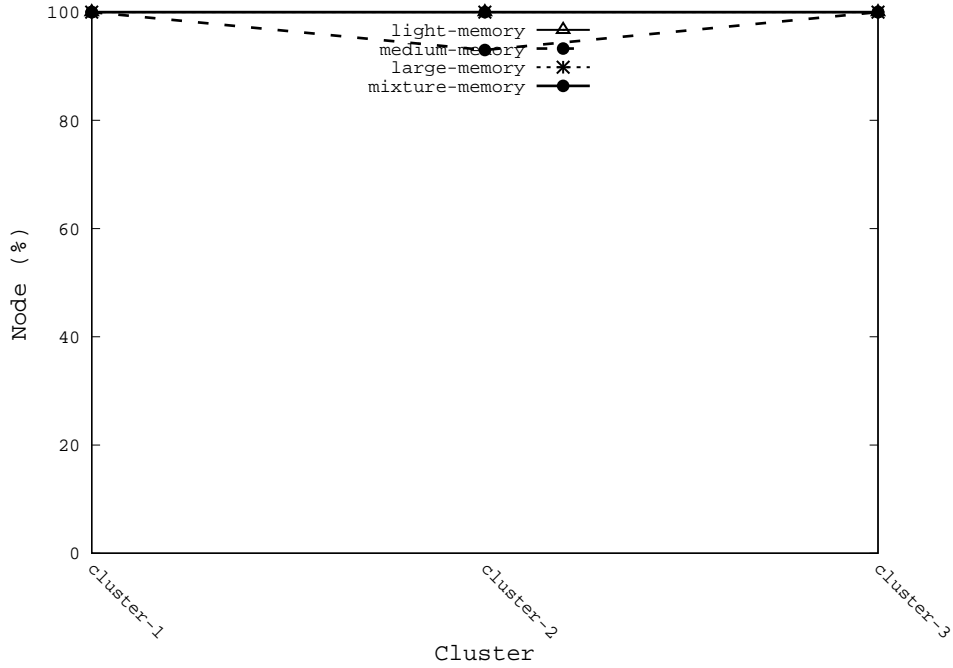


Fig. 4.

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-memory	100,00	100,00	100,00	10,00	0,00	99,90			
medium-memory	99,80	100,00	94,80						

medium-memory	100,00	100,00	100,00	7,50	0,00	99,80	99,90	99,80	96,10
large-memory	100,00	100,00	99,90	100,00	100,00	74,90	74,80	74,90	74,90
mixture-memory	100,00	100,00	99,80	17,50	0,00	99,90	100,00	99,70	90,80

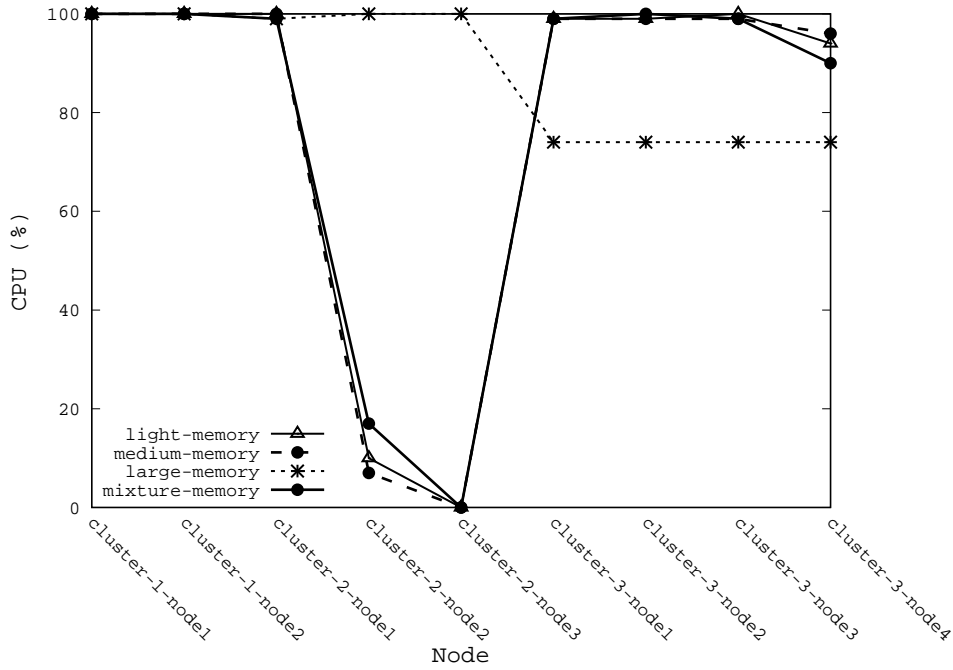


Fig. 5.

## 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	0,40	0,00	8,00	8,00	8,00	7,60
medium-memory	25,00	25,00	25,00	1,80	0,00	33,00	33,00	33,00	31,80
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	0,70	0,00	83,00	8,00	83,00	7,30

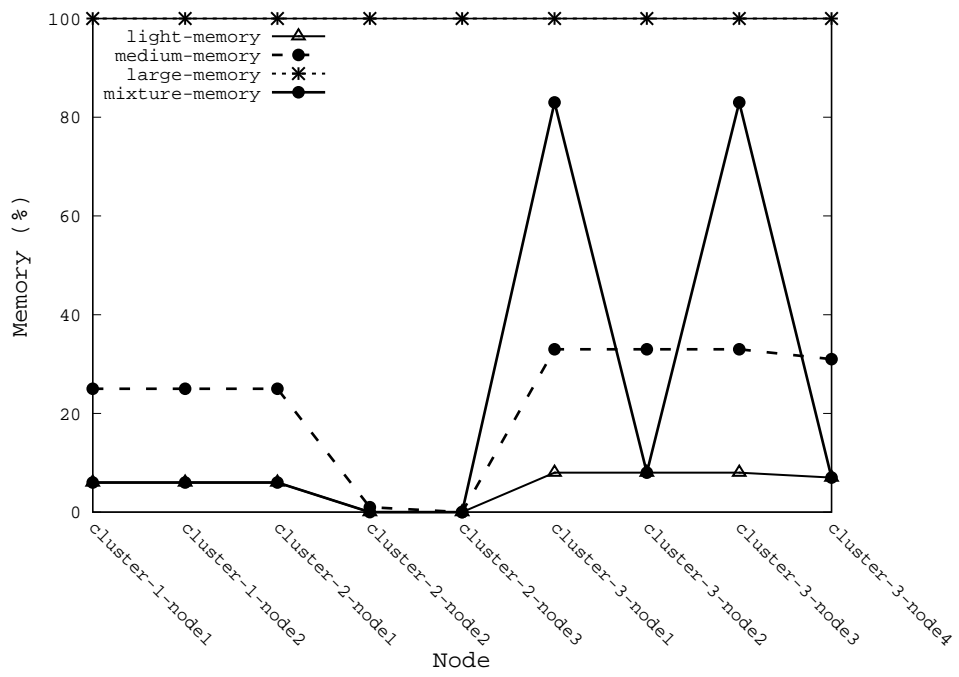


Fig. 6.