1 Plotting all figures

1.1

```
Cluster and Node Placement Times (ms)
replications cluster−placement−time node−placement−time
replica−1 0.00 1.00
replicas−5 0.00 4.00
replicas−10 0.00 6.00
```
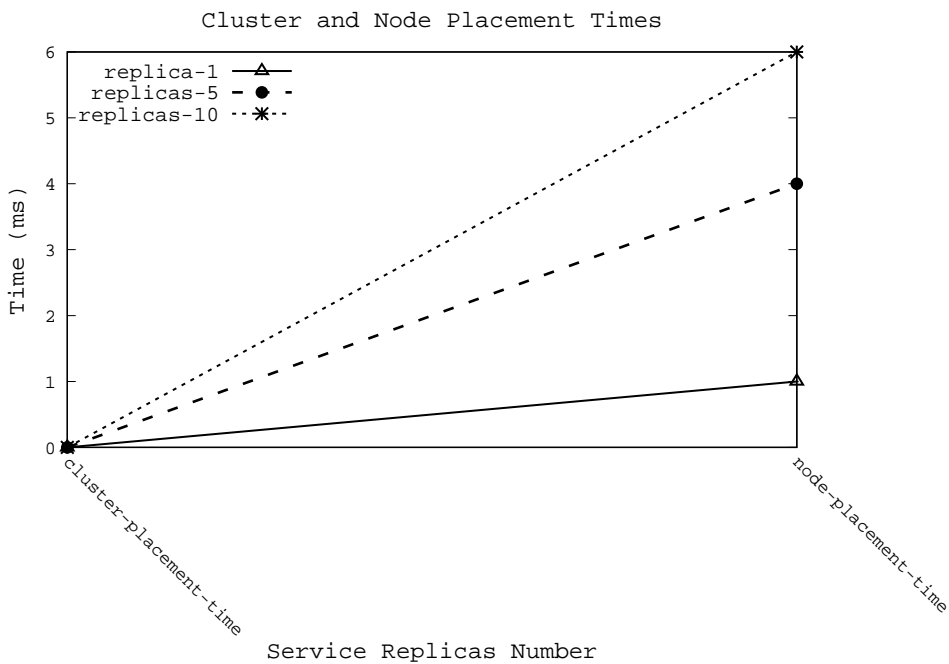

Fig. 1. Cluster and Node Placement Times

1.2

Listing 2. Cluster CPU Utilization

```
Cluster CPU Utilization (%)
replications cluster−1 cluster−2 cluster−3
replica−1 21.00 0.00 0.00
replicas−5 11.00 0.00 0.00
replicas−10 23.00 0.00 0.00
```
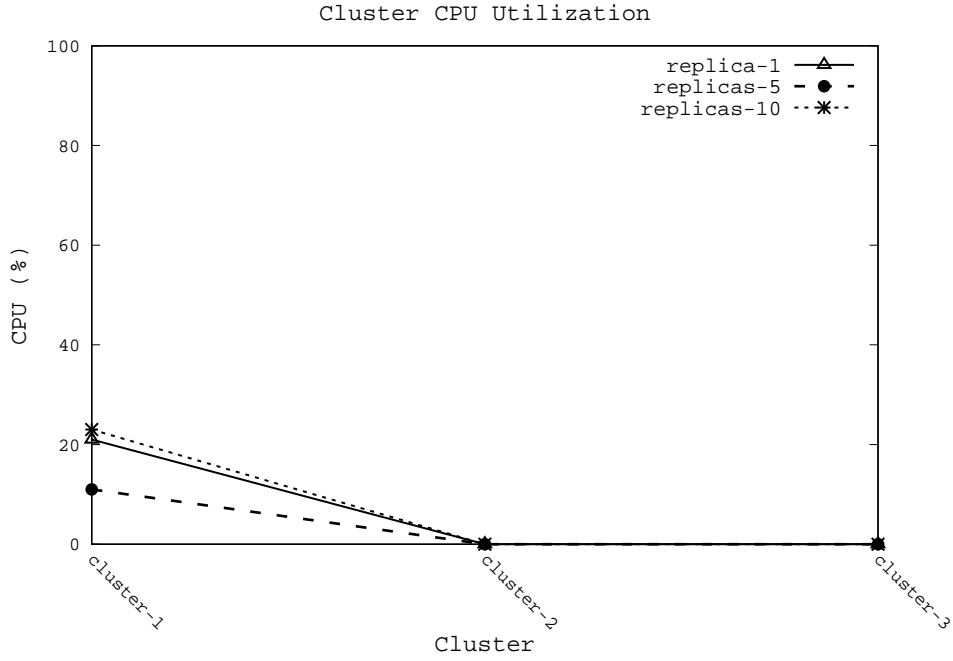
Fig. 2. Cluster CPU Utilization

1.3

Listing 3. Cluster Memory Utilization

```
Cluster Memory Utilization (%)
replications cluster-1 cluster-2 cluster-3
replica-1 3.00 0.00 0.00
replicas-5 8.00 0.00 0.00
replicas-10 17.00 0.00 0.00
```

1.4

Listing 4. Cluster Node Utilization

```
Cluster Node Utilization (%)
replications cluster-1 cluster-2 cluster-3
replica-1 100.00 0.00 0.00
replicas-5 50.00 0.00 0.00
replicas-10 50.00 0.00 0.00
```
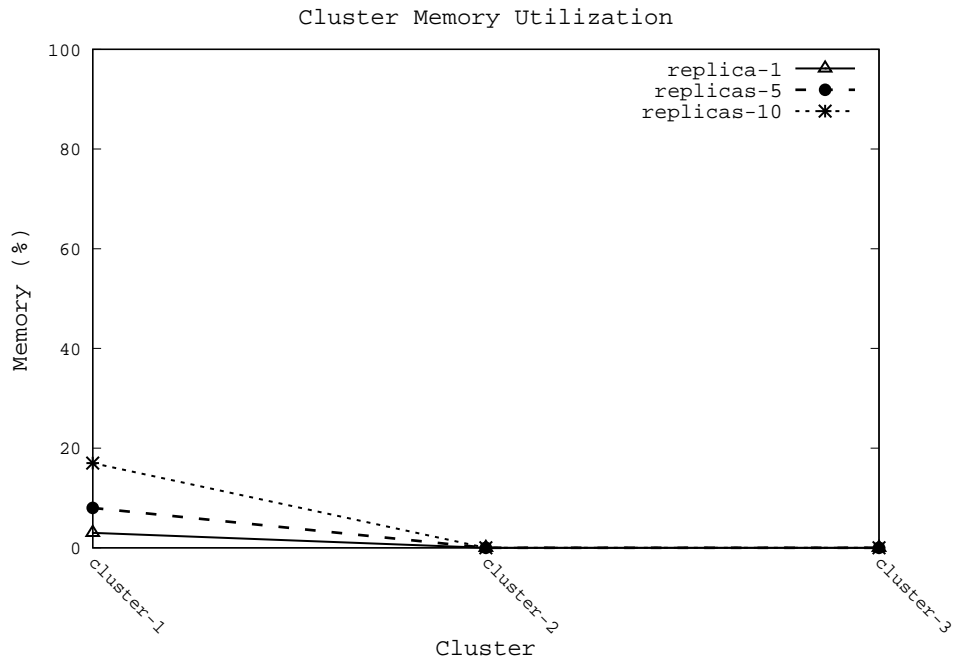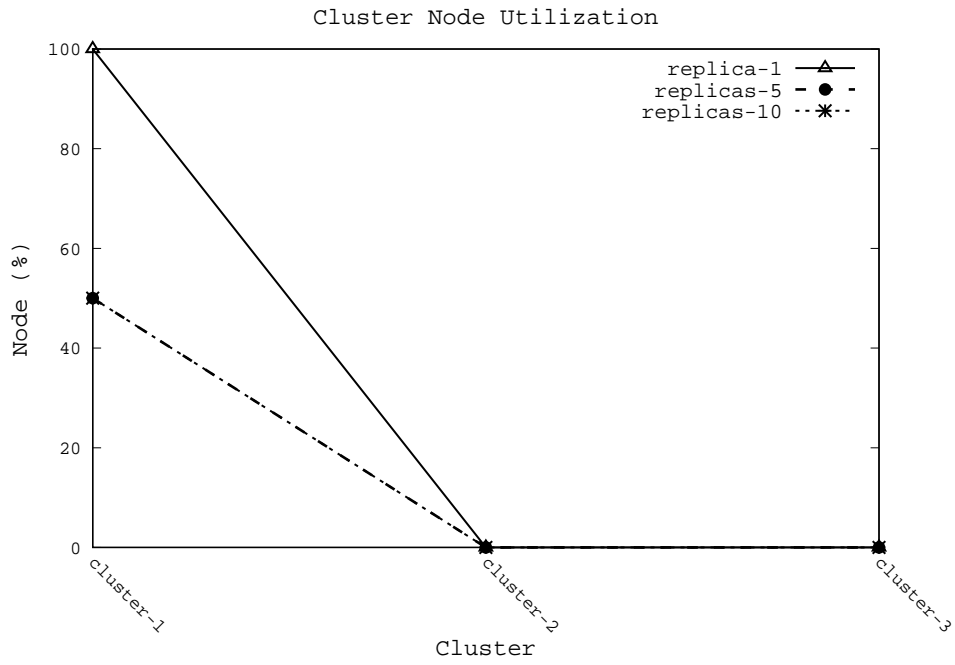
2

Fig. 3. Cluster Memory Utilization

Fig. 4. Cluster Node Utilization