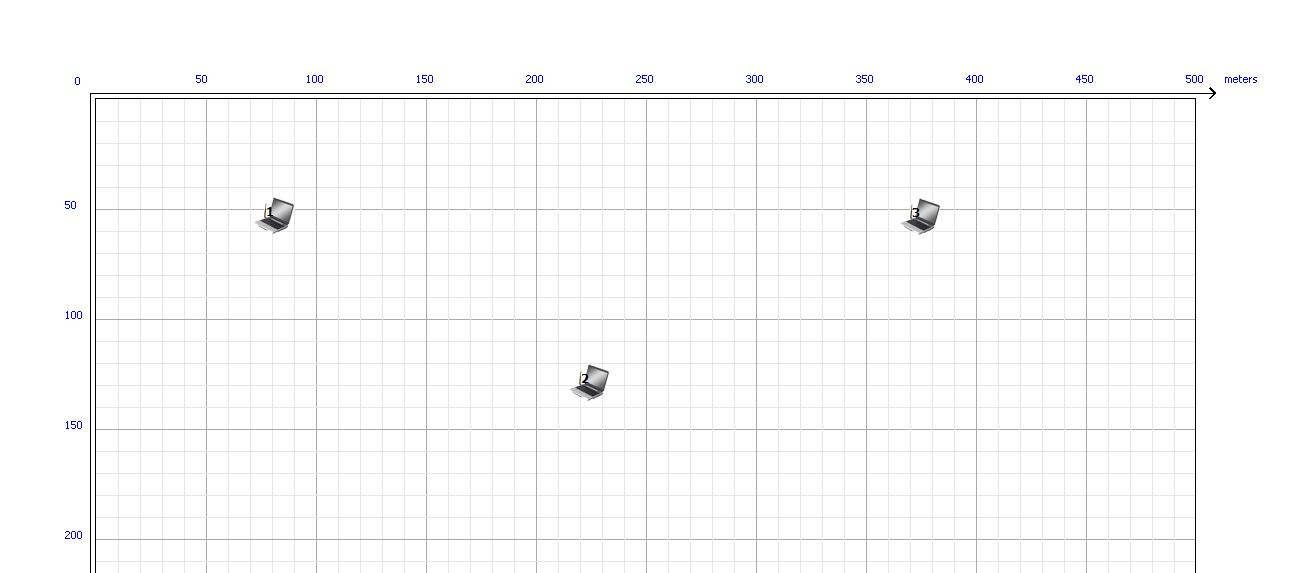
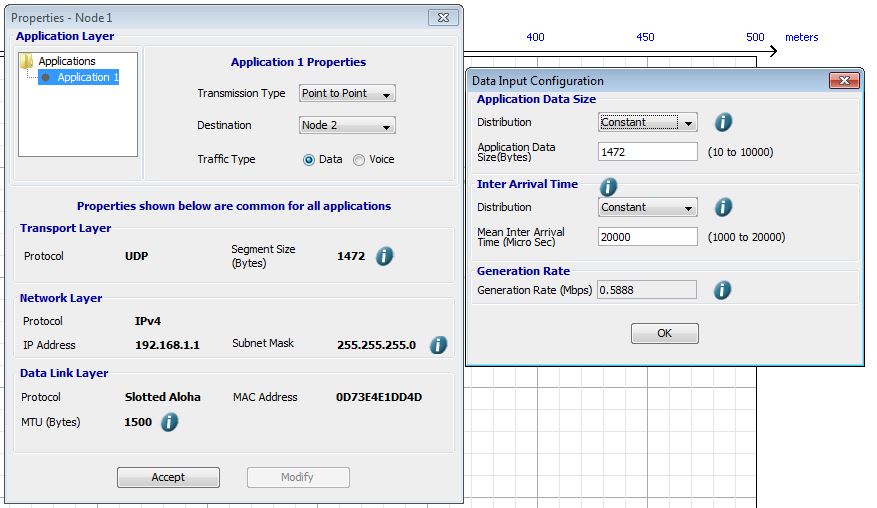
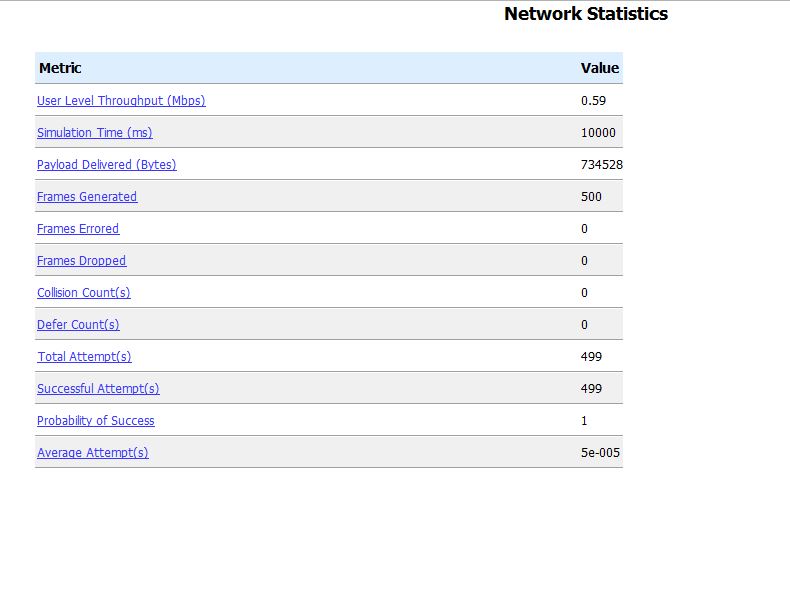
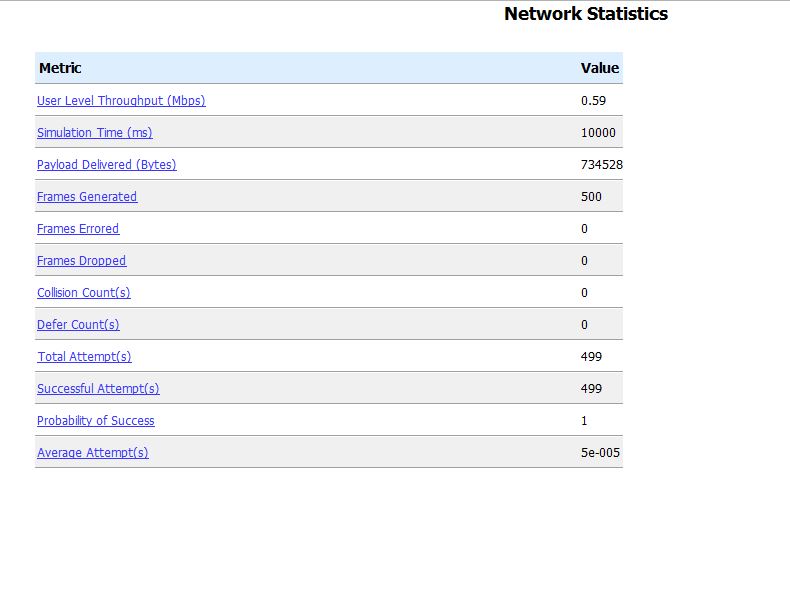
Aloha Interface  


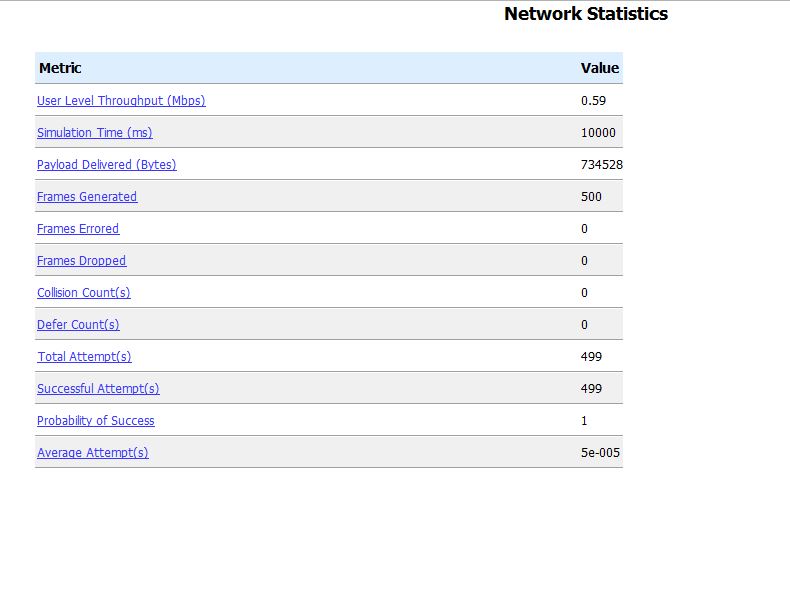
Data Configuration



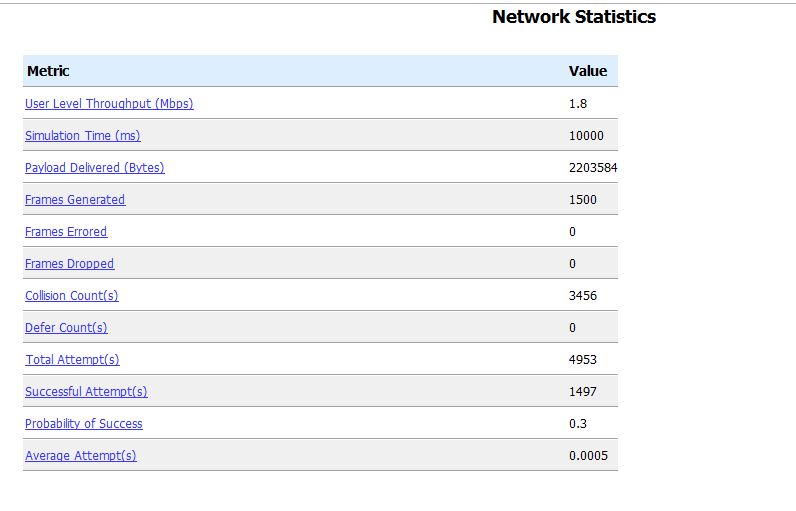


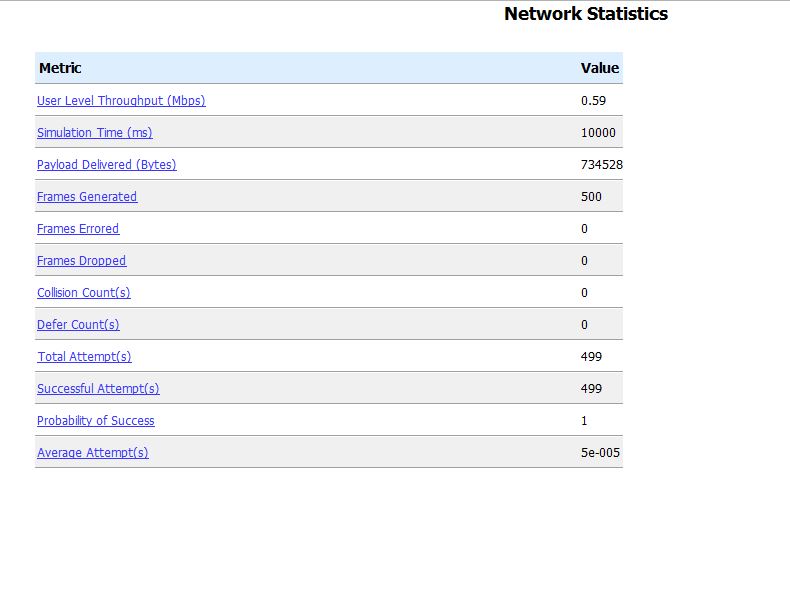
Only one machine is using transmission line out of Two



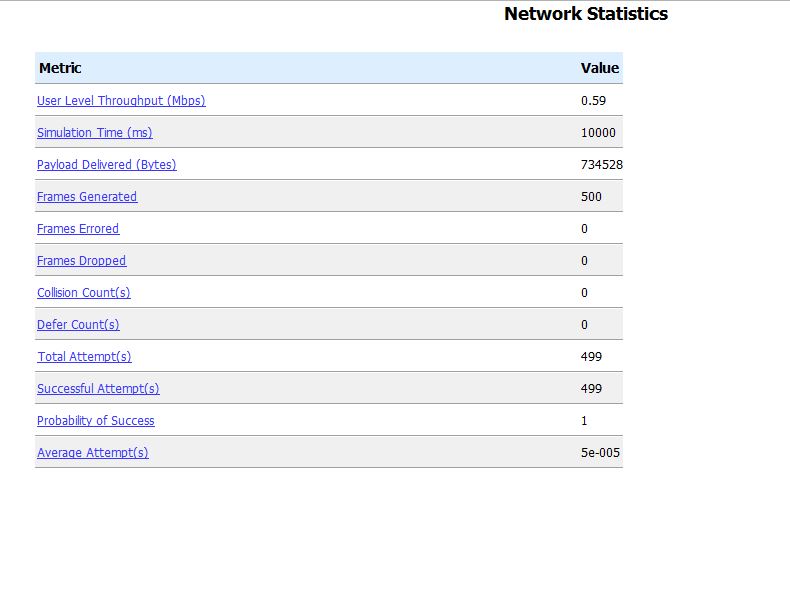
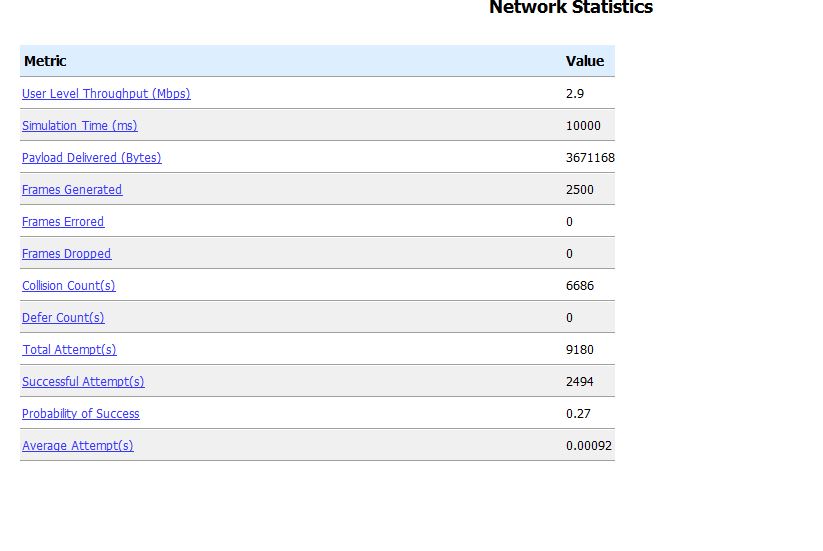


All three machines are using transmission line at same time

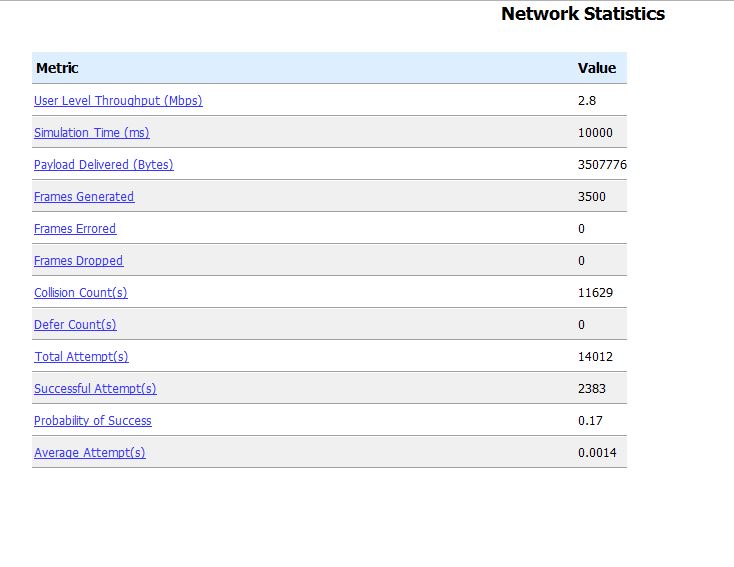


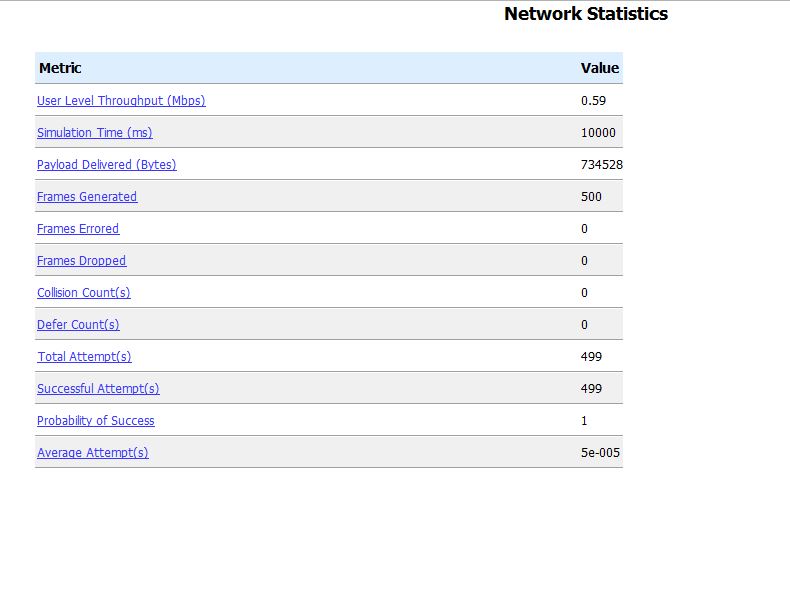


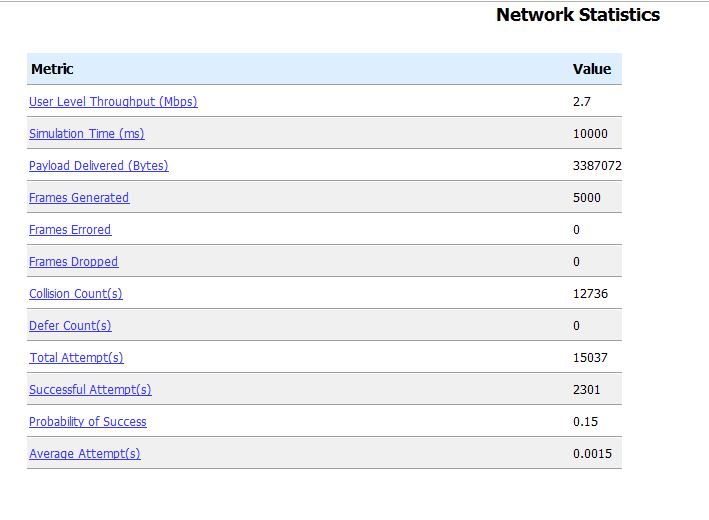
All Five machines are using transmission line at same time

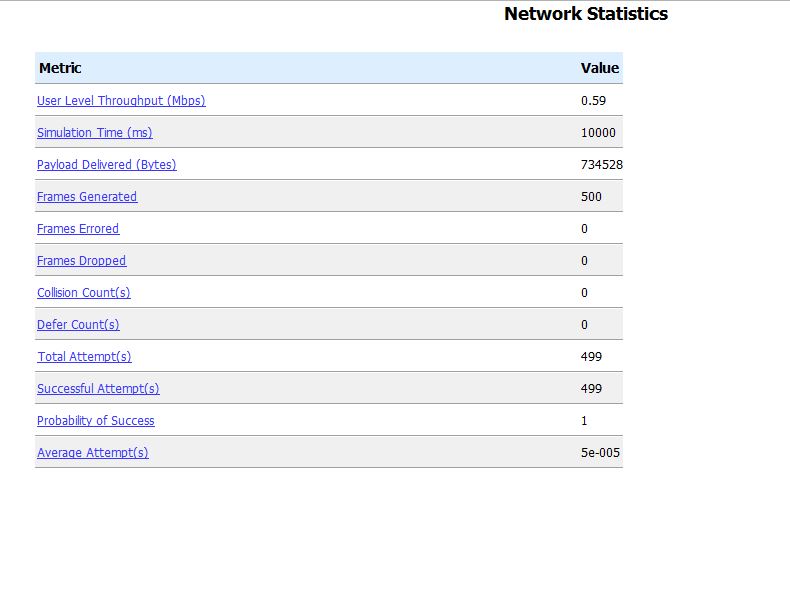


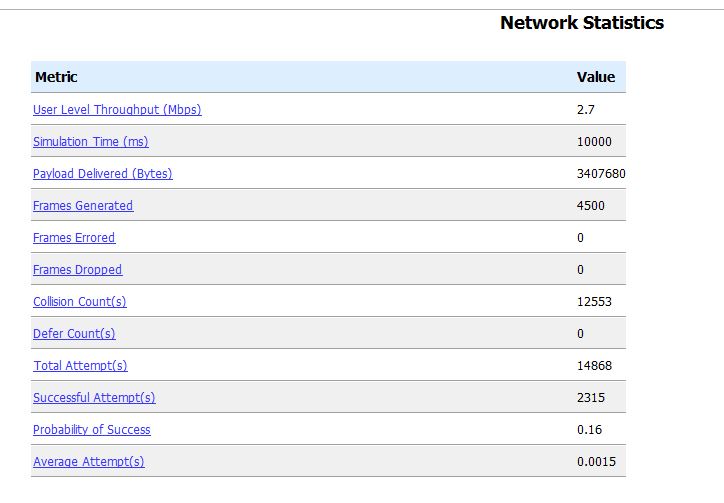
All Seven machines are using transmission line at same time

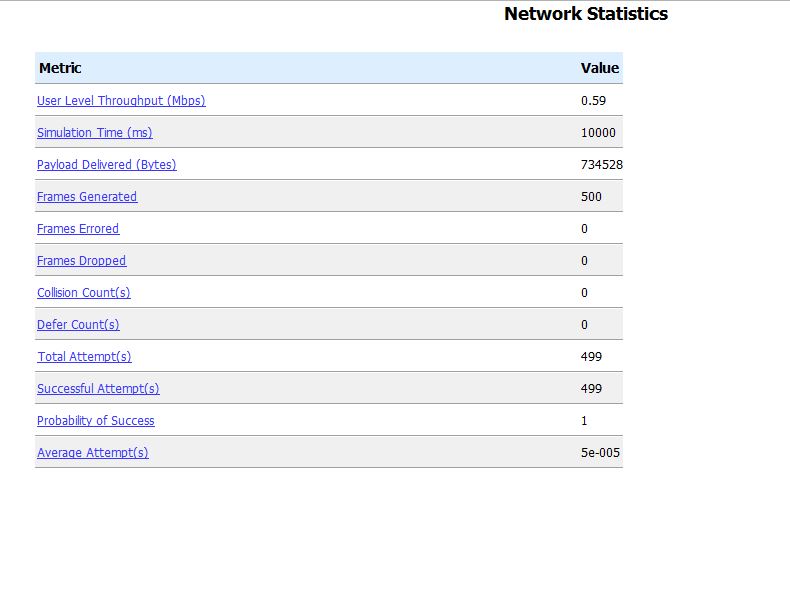




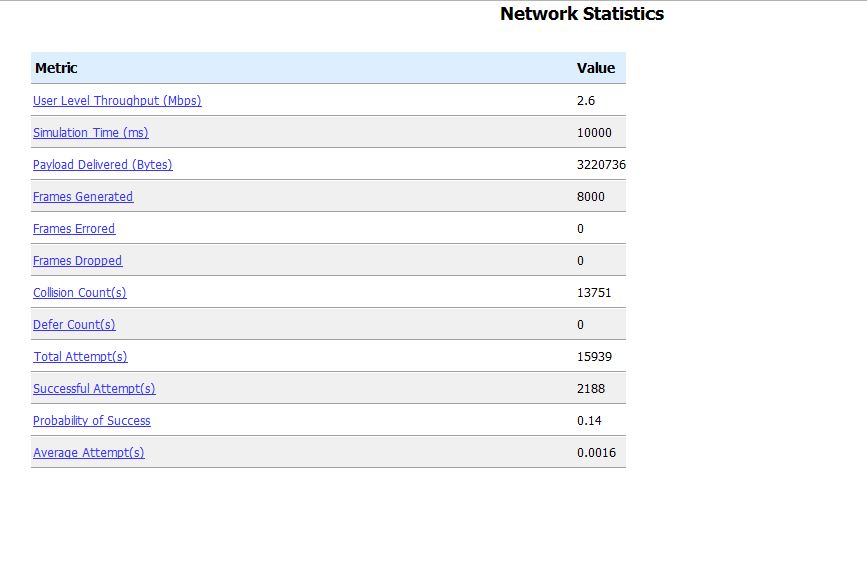
All eleven machines are using transmission line at same time



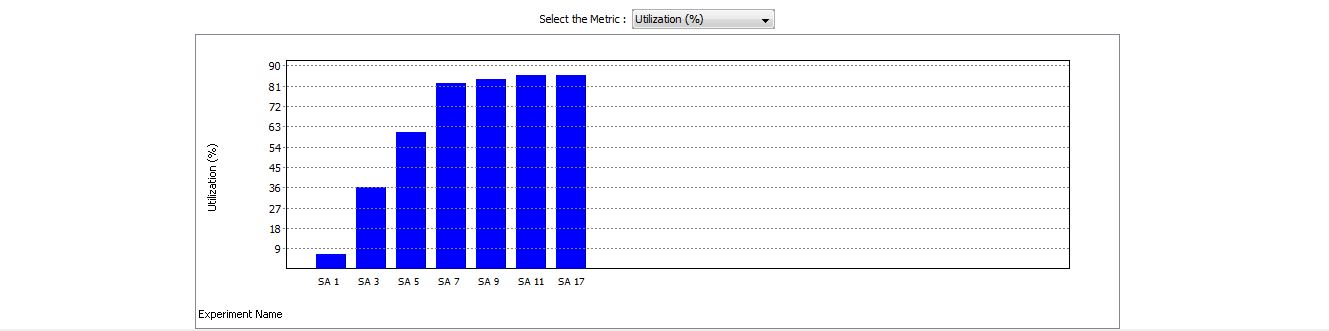
All nine machines are using transmission line at same time



All 17 machines are using transmission line at same time



**Output Graph** ( Network Utilization vs Number of Machine )



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Experiment Name | Utilization (%) | Effective Utilization (%) | Overhead (%) | Loss (%) | Unutilized (%) | Delay (ms) | Queuing Delay (ms) | Medium Access Time(ms) | Transmission Time (ms) | |  |  |  |  |  |  |  |  |  |  | | SA 1 | 6.092 | 5.876 | 0.216 | 0 | 93.908 | 1.857 | 0.626 | 0.01 | 1.221 | | SA 3 | 35.501 | 17.629 | 0.647 | 17.225 | 64.499 | 10.032 | 0.903 | 7.908 | 1.221 | | SA 5 | 60.259 | 29.369 | 1.077 | 29.812 | 39.741 | 18.598 | 5.164 | 12.212 | 1.221 | | SA 7 | 81.818 | 28.062 | 1.029 | 52.726 | 18.182 | 1578.731 | 1549.621 | 27.89 | 1.221 | | SA 9 | 83.527 | 27.261 | 1 | 55.266 | 16.473 | 2418.409 | 2379.841 | 37.347 | 1.221 | | SA 11 | 85.334 | 27.097 | 0.994 | 57.243 | 14.666 | 2671.107 | 2628.006 | 41.88 | 1.221 | | SA 17 | 85.529 | 25.766 | 0.945 | 58.818 | 14.471 | 3615.128 | 3542.69 | 71.217 | 1.221 | |

Experiment Statistics for Different Number of Transmission Nodes

Output Graph

