

## **RESPONSE TIME COMPARISON**

No. Of Users Connected / (no. of high priority users)	Fastest Response time (w/o our modules)	Slowest Response time (w/o our modules)	Average Response time (w/o our modules)	Fastest Response (with our module)	Slowest Response (with our module)	Average Response time (with our module)
50 / 3	40.645188 s	49.5616428 s	48.426818 s	4.0384452 s	50.63078 s	45.21757 s
60 / 3	52.4782769 s	57.5028989 s	56.3407883 s	5.1404531 s	57.82168 s	49.95582 s
70 / 3	50.352236 s	66.3438129 s	62.254594 s	7.831624 s	57.80442 s	37.83044 s
75 / 3	56.818869 s	69.8071899 s	68.1673833 s	8.25185 s	59.08265 s	40.10553 s
80 / 3	64.27719 s	75.68397 s	73.9236 s	9.77520 s	65.9123 s	44.39042 s
50 / 5	40.645188 s	49.5616428 s	48.426818 s	5.88346 s	48.32280 s	43.13263 s
60 / 5	52.4782769 s	57.5028989 s	56.3407883 s	6.21568 s	62.62807 s	51.57279 s
70 / 5	50.352236 s	66.3438129 s	62.254594 s	7.6529 s	55.15911 s	35.59205 s
75 / 5	56.818869 s	69.8071899 s	68.1673833 s	10.518511 s	61.01032 s	41.78642 s
80 / 5	64.27719 s	75.68397 s	73.9236 s	10.74933 s	72.0943 s	61.01596 s
50 / 10	40.645188 s	49.5616428 s	48.426818 s	6.07832 s	47.63364 s	37.245 s
60 / 10	52.4782769 s	57.5028989 s	56.3407883 s	6.33944 s	55.1741 s	42.014 s
70 / 10	50.352236 s	66.3438129 s	62.254594 s	10.14699 s	60.4771 s	46.5797 s
75 / 10	56.818869 s	69.8071899 s	68.1673833 s	10.29401 s	67.3421 s	53.1551 s
80 / 10	64.27719 s	75.68397 s	73.9236 s	13.699 s	71.4164 s	59.485 s

## NUMERICAL ANALYSIS OF RESPONSE TIMES

Simultaneous Users Connected / High Priority users	Fastest Response (w/o module)	Fastest Response (with module)	Improvement Noted	Average Response time (w/o module)	Average Response time (with module)	Improvement Noted
50 / 3	40.645188 s	4.0384452 s	90.0641 %	48.426818 s	45.21757	6.627 %
50 / 5	40.645188 s	5.88346 s	85.524 %	48.426818 s	43.13263 s	10.932 %
50 / 10	40.645188 s	6.07832 s	85.045 %	48.426818 s	37.245 s	23.0901 %
60 / 3	52.4782769 s	5.1404531 s	90.2046 %	56.3407883 s	49.95582 s	11.324%
60 / 5	52.4782769 s	6.21568 s	88.1557 %	56.3407883 s	51.57279 s	8.462 %
60 / 10	52.4782769 s	6.33944 s	87.9198 %	56.3407883 s	42.014 s	25.4277 %
70 / 3	50.352236 s	7.831624 s	84.446 %	62.254594 s	37.83044 s	39.2327 %
70 / 5	50.352236 s	7.6529 s	84.801 %	62.254594 s	35.59205 s	42.8282 %
70 / 10	50.352236 s	10.14699 s	79.847 %	62.254594 s	46.5797 s	25.1787 %