Results of the Simulation Completed at: 18/01/2023 10:12:59

## Overall Response Time Summary

| | Avg (ms) | Min (ms) | Max (ms) |
|---|---|---|---|
| Overall response time: | 74.13 | 36.15 | 252.11 |
| Data Center processing time: | 0.43 | 0.00 | 1.03 |

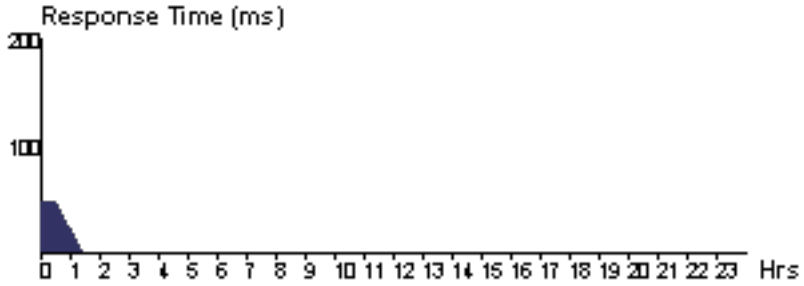
## Response Time by Region

| Userbase | Avg (ms) | Min (ms) | Max (ms) |
|---|---|---|---|
| UB10 | 50.04 | 38.89 | 60.88 |
| UB11 | 50.09 | 39.65 | 65.65 |
| UB12 | 201.06 | 148.12 | 252.11 |
| UB13 | 50.19 | 38.11 | 62.11 |
| UB14 | 49.97 | 39.40 | 60.39 |
| UB15 | 50.11 | 37.13 | 63.38 |
| UB16 | 50.18 | 39.64 | 62.13 |
| UB17 | 49.97 | 39.15 | 63.66 |
| UB18 | 199.86 | 153.12 | 246.12 |
| UB19 | 50.11 | 39.36 | 61.11 |
| UB1 | 50.29 | 40.11 | 60.11 |
| UB20 | 50.29 | 39.28 | 60.89 |
| UB21 | 50.01 | 40.38 | 59.13 |
| UB22 | 50.12 | 37.88 | 62.90 |
| UB23 | 49.86 | 36.15 | 63.15 |
| UB24 | 200.33 | 161.12 | 248.11 |
| UB25 | 50.23 | 40.61 | 62.11 |
| UB26 | 49.99 | 39.89 | 60.90 |
| UB27 | 50.22 | 40.38 | 60.13 |
| UB28 | 49.98 | 40.14 | 61.39 |
| UB29 | 50.28 | 37.66 | 61.91 |
| UB2 | 50.17 | 40.82 | 60.89 |
| UB30 | 200.79 | 158.12 | 252.11 |
| UB31 | 50.00 | 40.11 | 64.61 |
| UB32 | 50.26 | 39.14 | 60.15 |
| UB33 | 50.10 | 38.88 | 62.63 |

| | | | |
|---|---|---|---|
| UB34 | 50.30 | 40.63 | 61.88 |
| UB35 | 50.06 | 39.88 | 59.15 |
| UB36 | 200.66 | 154.11 | 244.13 |
| UB37 | 49.91 | 40.61 | 62.36 |
| UB38 | 50.15 | 40.14 | 63.14 |
| UB39 | 50.38 | 40.88 | 63.13 |
| UB3 | 50.04 | 41.13 | 59.38 |
| UB40 | 50.14 | 39.88 | 62.88 |
| UB41 | 50.20 | 40.64 | 60.65 |
| UB42 | 200.14 | 157.12 | 246.12 |
| UB43 | 49.89 | 38.60 | 61.12 |
| UB44 | 50.10 | 37.39 | 60.40 |
| UB45 | 49.83 | 39.11 | 59.39 |
| UB46 | 50.26 | 39.11 | 62.63 |
| UB47 | 50.13 | 39.15 | 62.91 |
| UB48 | 199.80 | 154.11 | 241.12 |
| UB49 | 50.29 | 38.77 | 61.61 |
| UB4 | 50.17 | 41.14 | 62.63 |
| UB50 | 50.04 | 37.91 | 62.15 |
| UB5 | 50.01 | 36.40 | 61.16 |
| UB6 | 200.01 | 159.12 | 245.11 |
| UB7 | 50.28 | 38.86 | 62.36 |
| UB8 | 50.07 | 37.40 | 61.39 |
| UB9 | 50.11 | 39.63 | 61.38 |

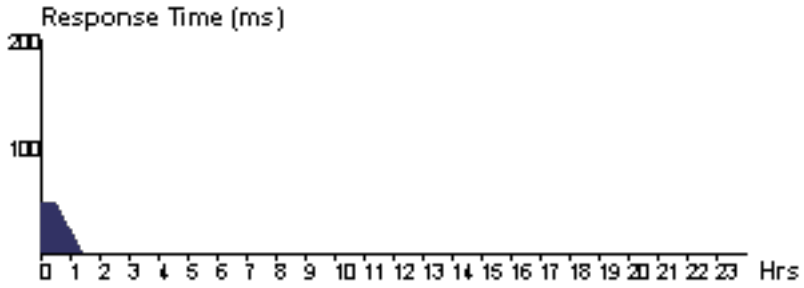
User Base Hourly Response Times

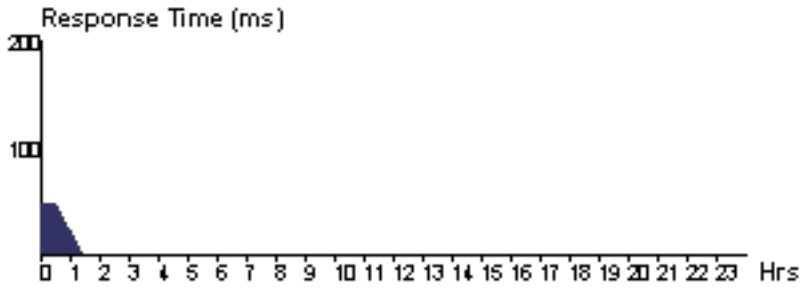
UB1



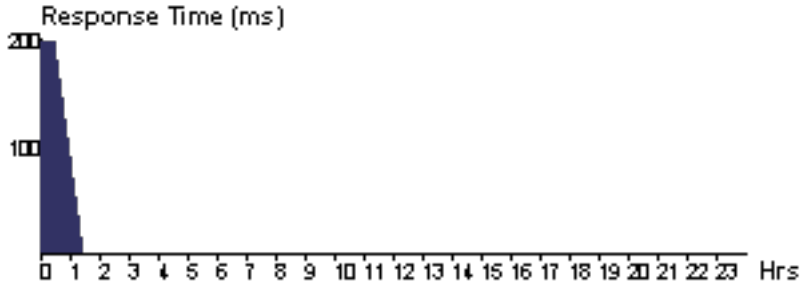

UB10

UB11

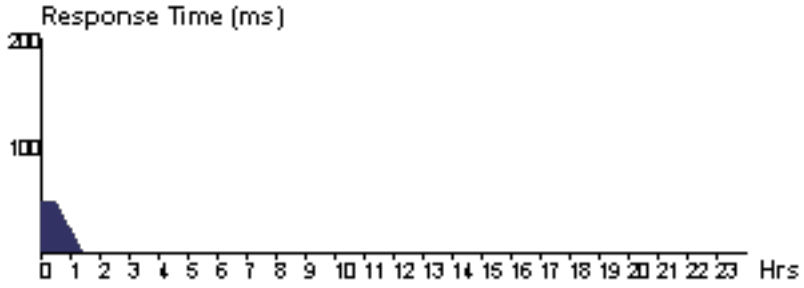



UB12




UB13

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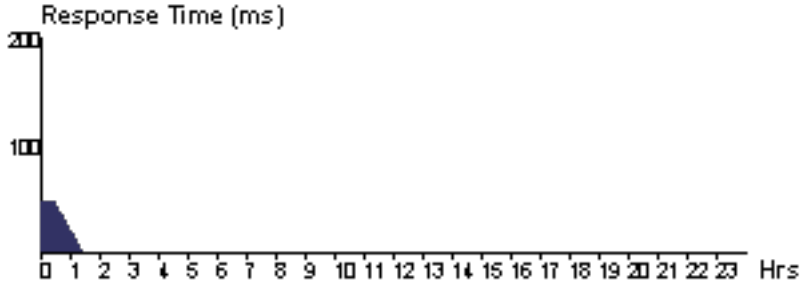
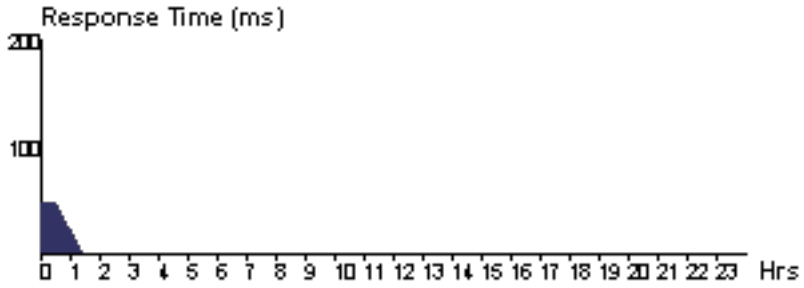
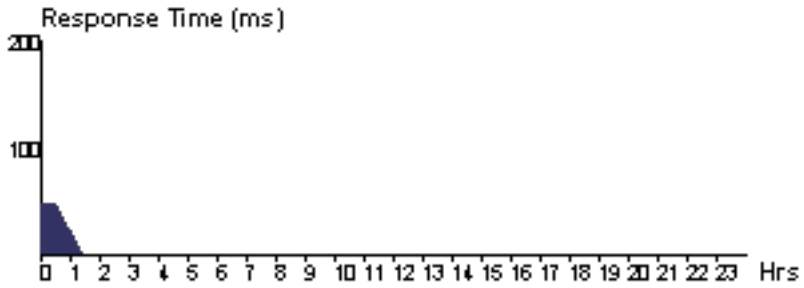


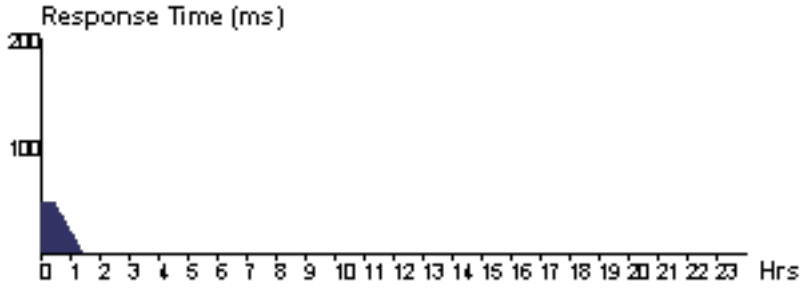

UB15

UB16

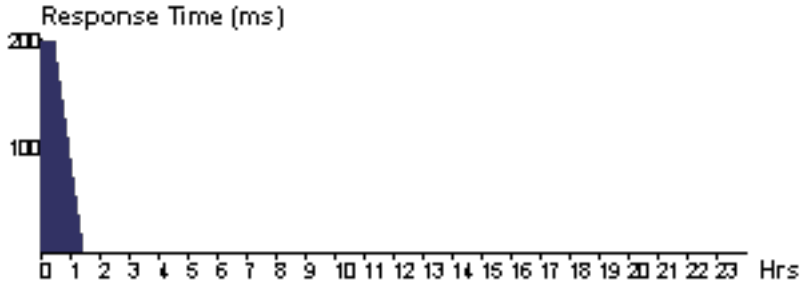


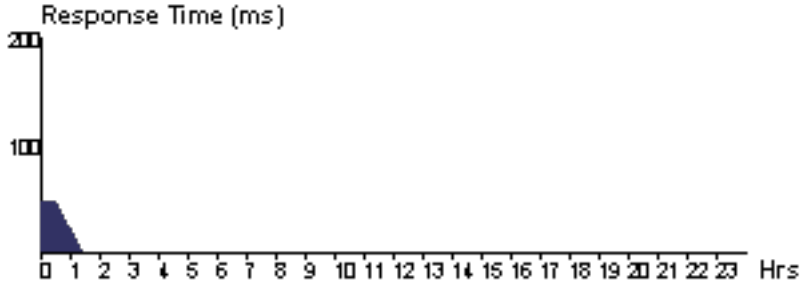

UB17




UB18

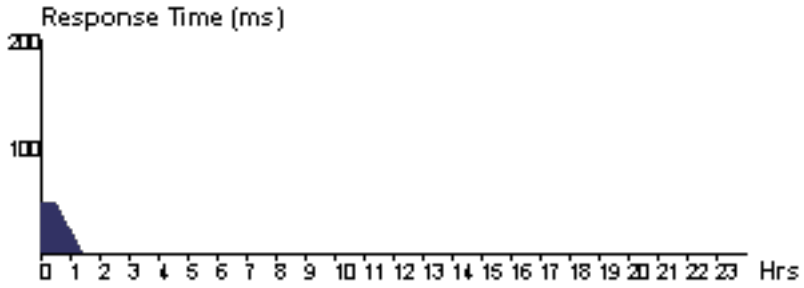


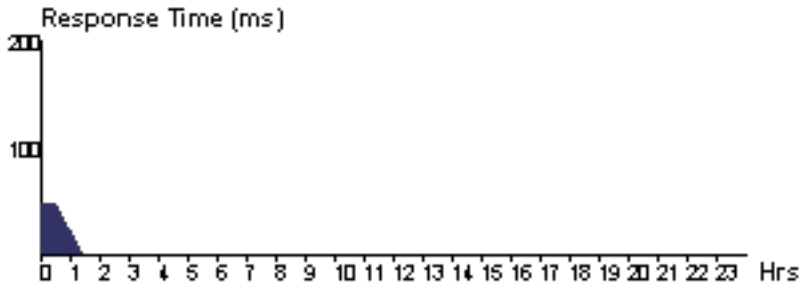

UB19



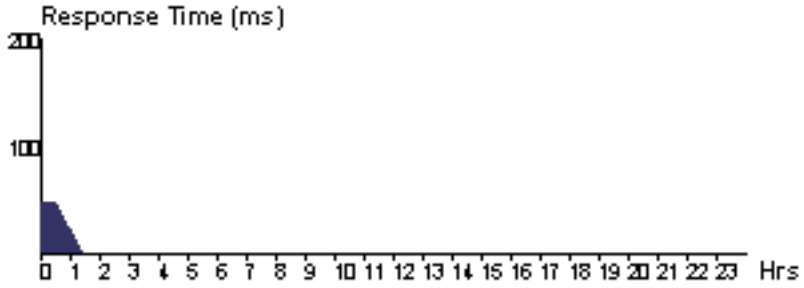

UB2

UB20

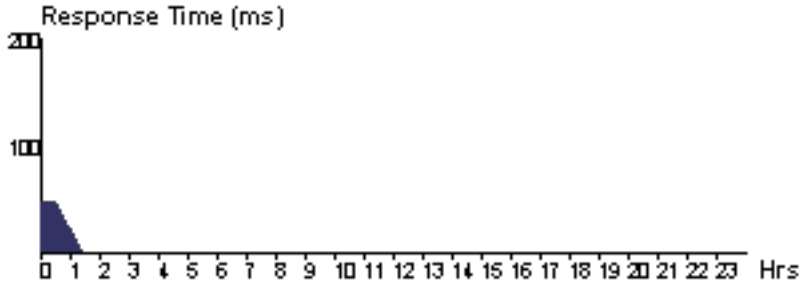


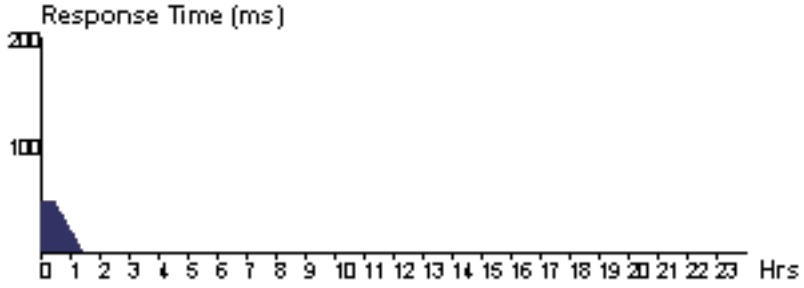

UB21




UB22

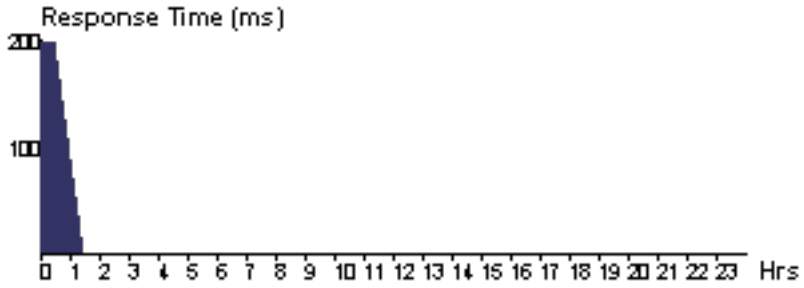


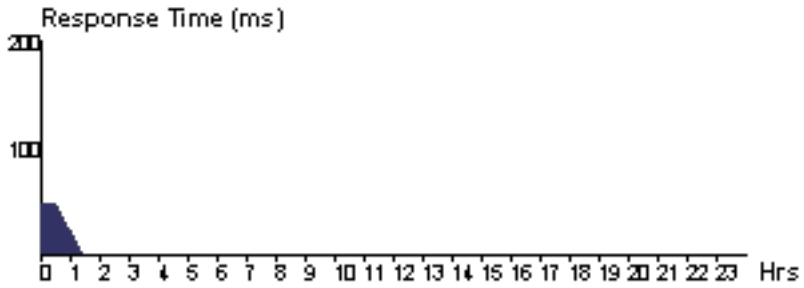

UB23



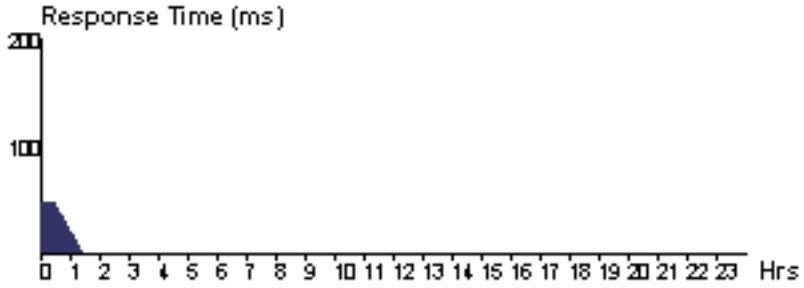

UB24

UB25

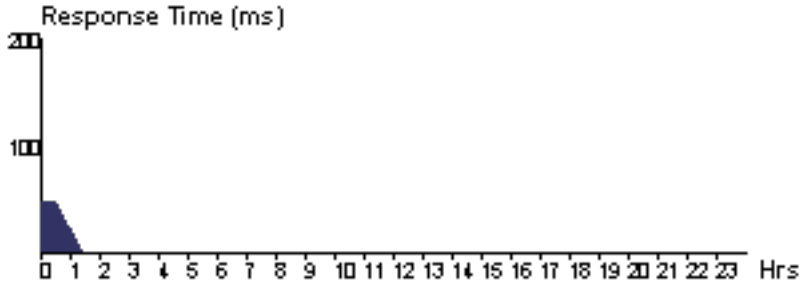


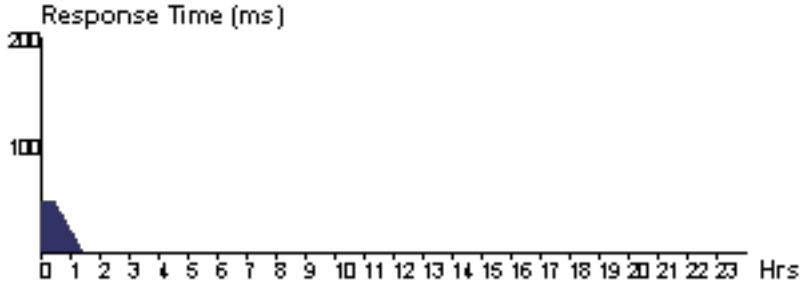

UB26




UB27

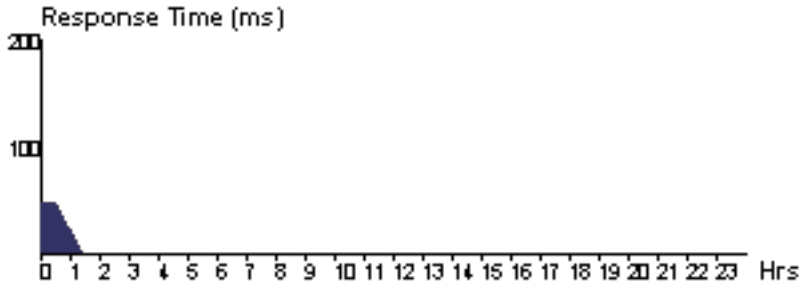


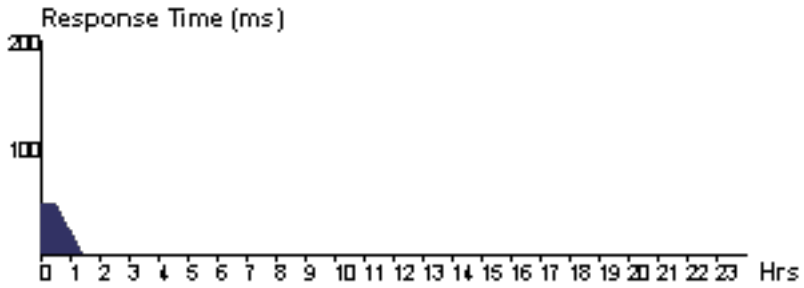

UB28



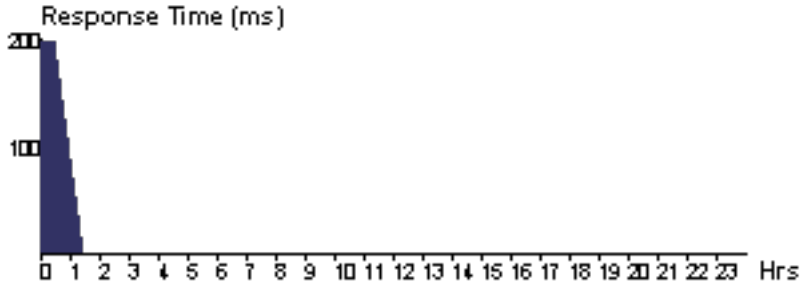

UB29

UB3

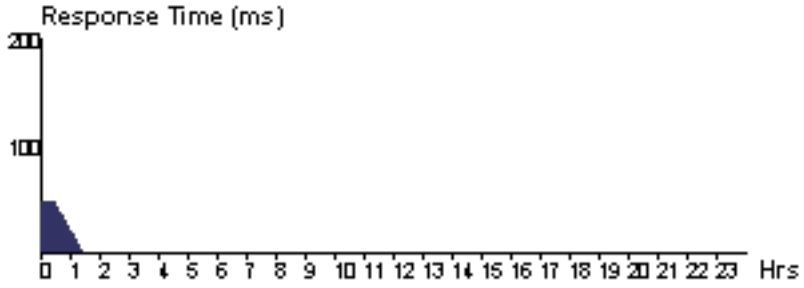


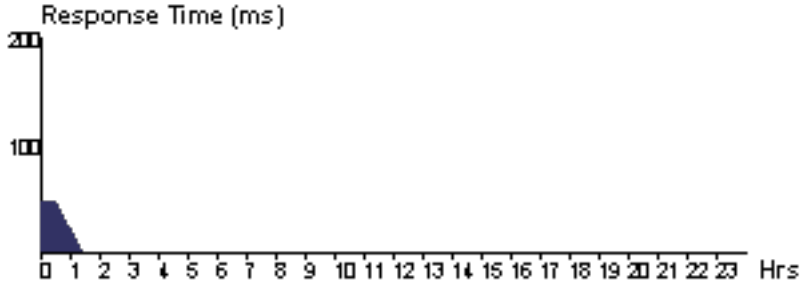

UB30




UB31

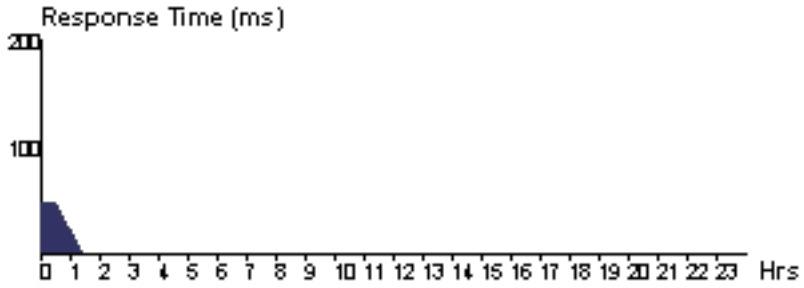


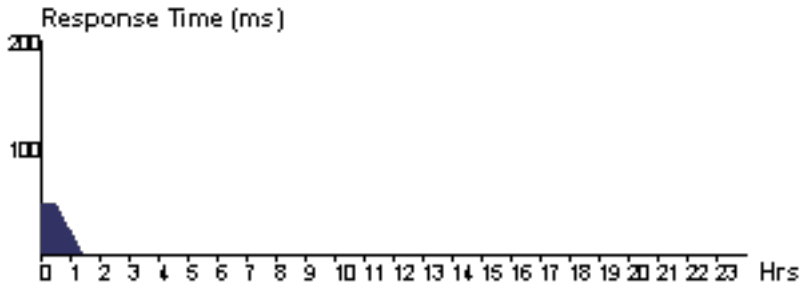

UB32



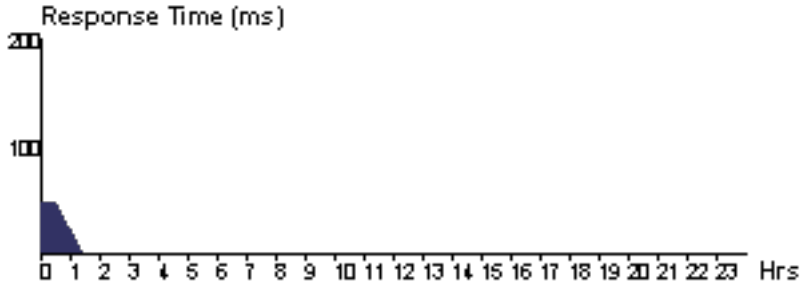

UB33

UB34

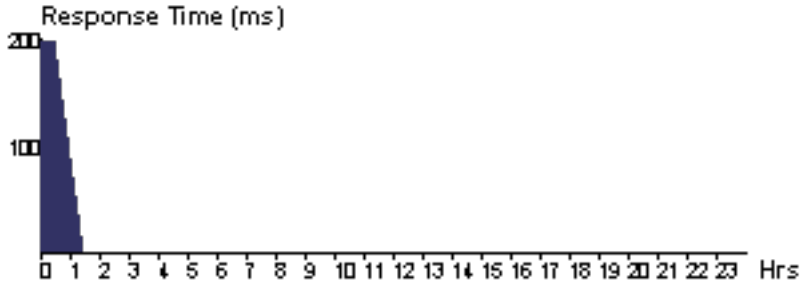


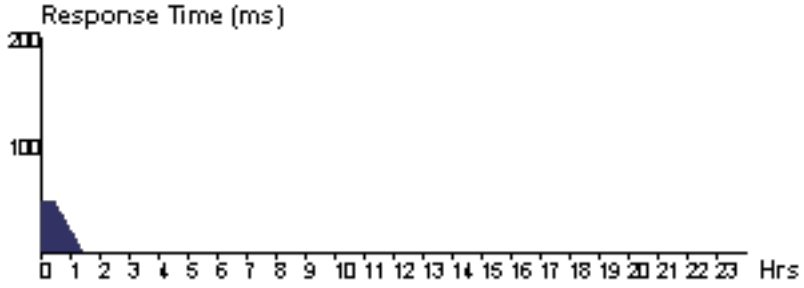

UB35




UB36

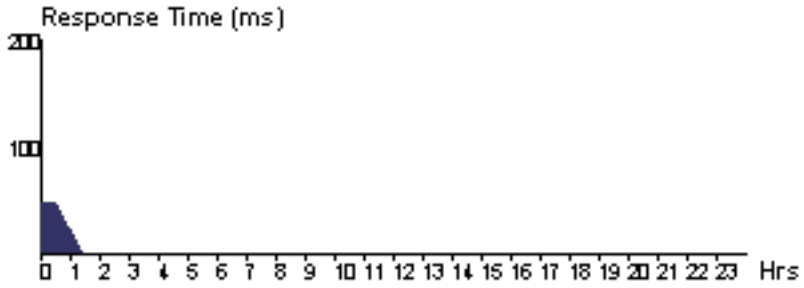


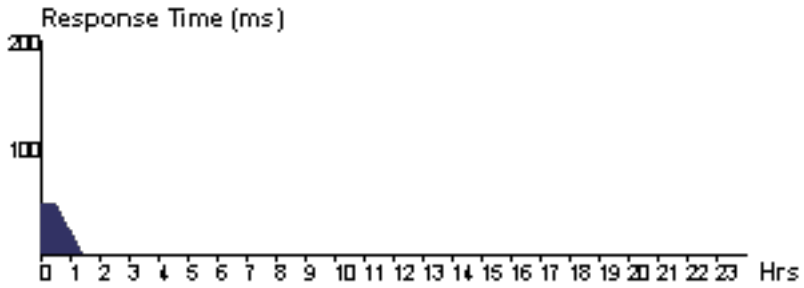

UB37



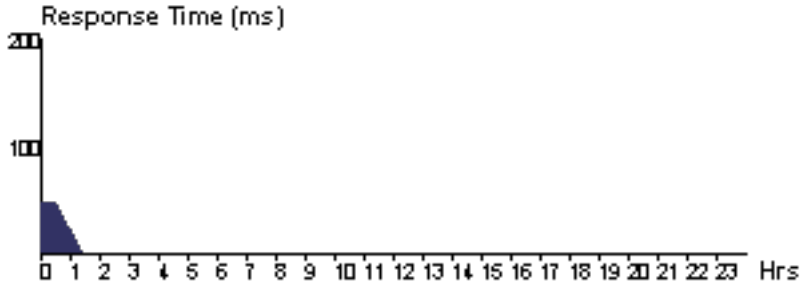

UB38

UB39

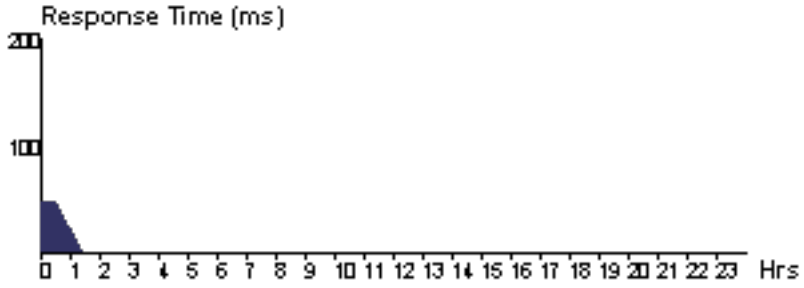


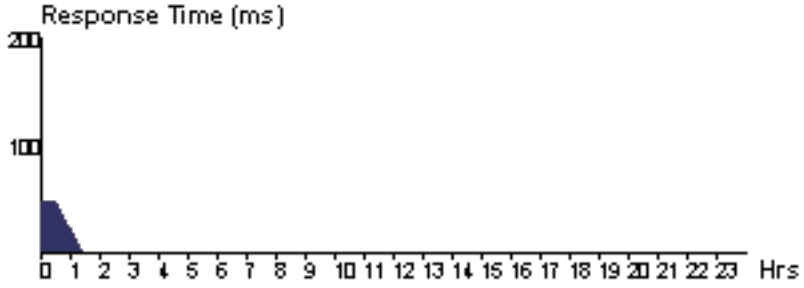

UB4




UB40

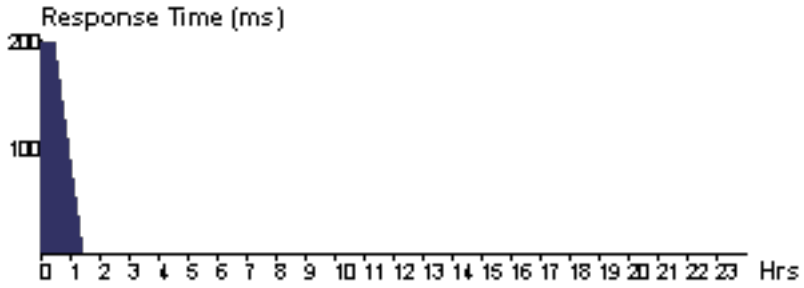


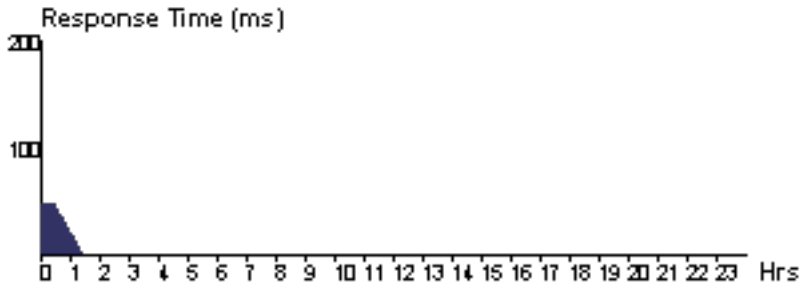

UB41




UB42

UB43

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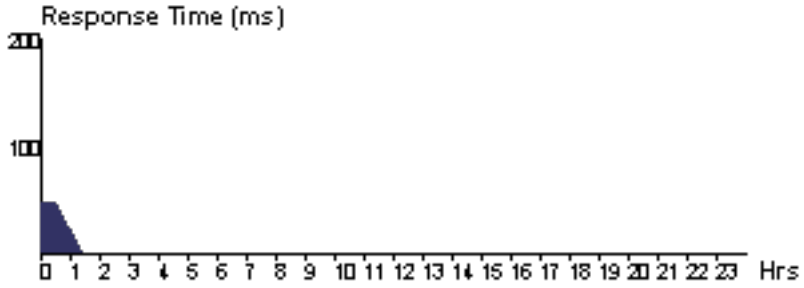
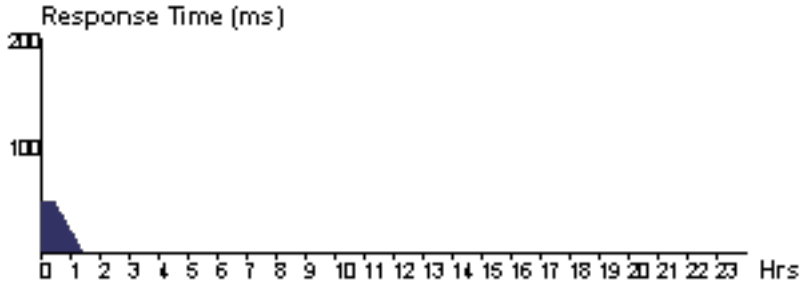
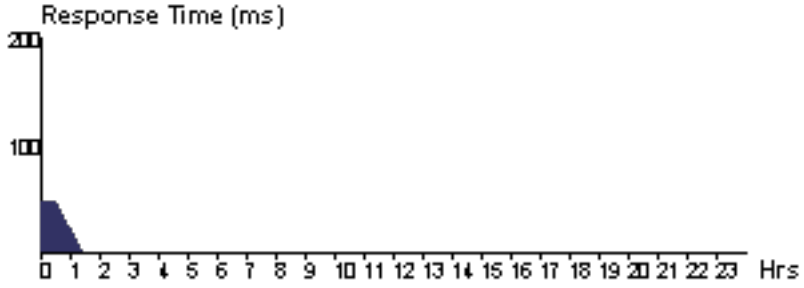



UB45

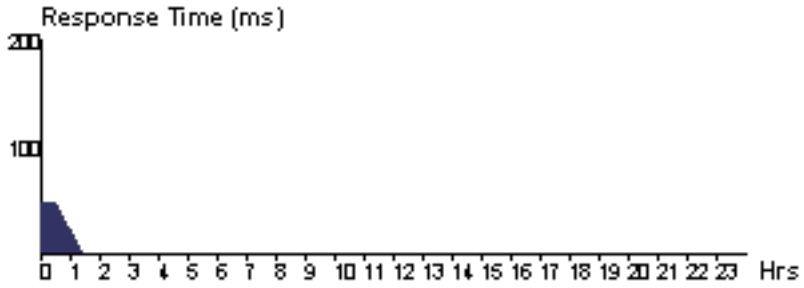


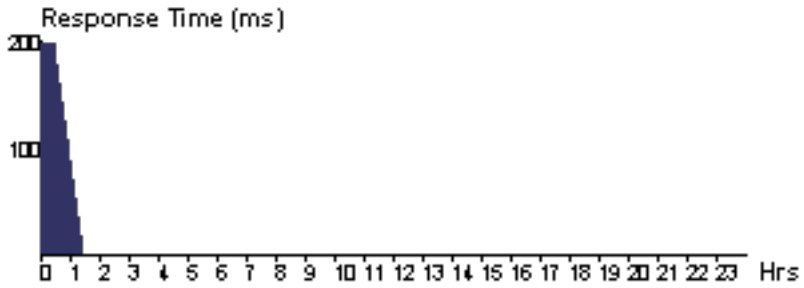

UB46



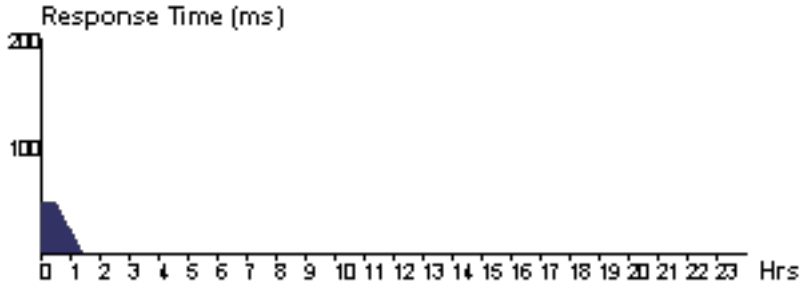

UB47

UB48

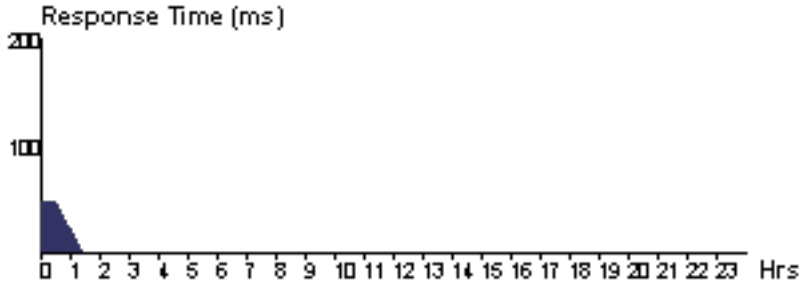


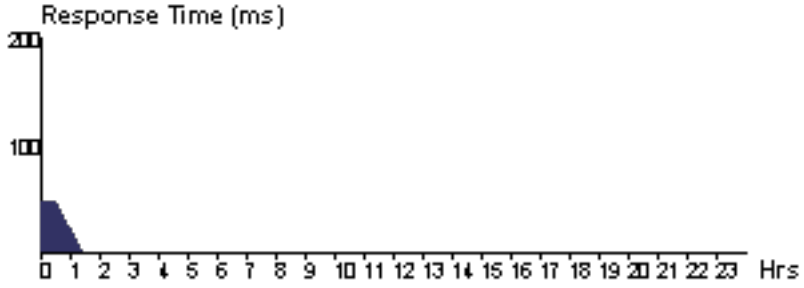

UB49




UB5

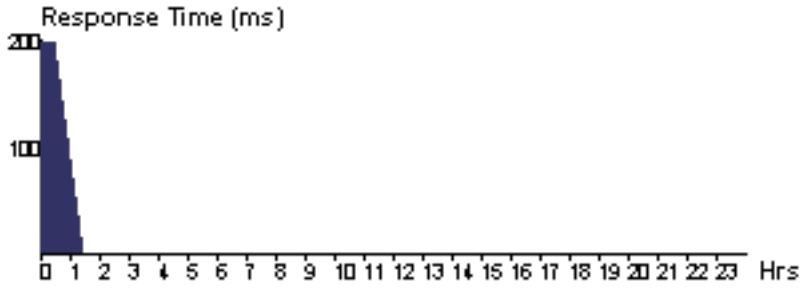


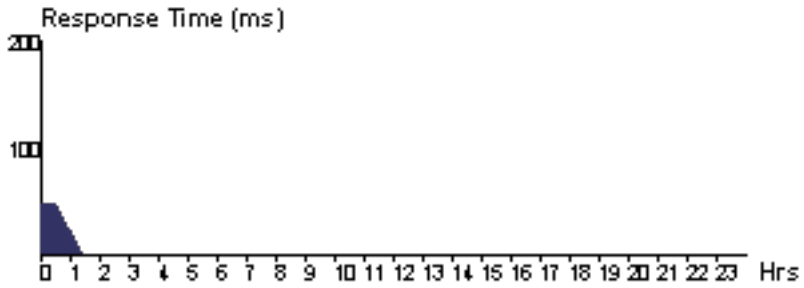

UB50



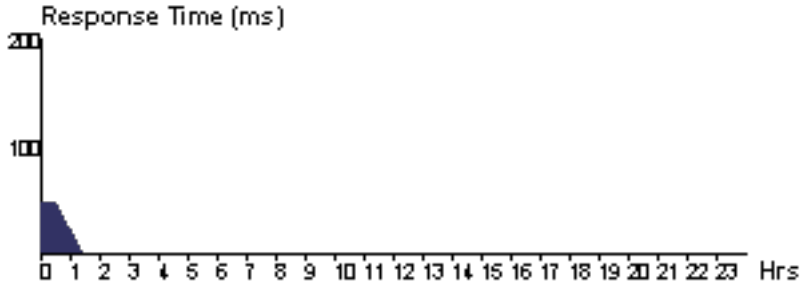

UB6

UB7

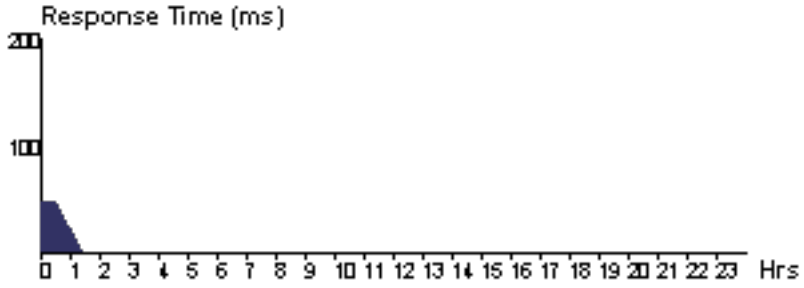



UB8




UB9




Data Center Request Servicing Times

| Data Center | Avg (ms) | Min (ms) | Max (ms) |
|---|---|---|---|
| DC1 | 0.30 | 0.00 | 0.89 |
| DC2 | 0.51 | 0.02 | 1.01 |
| DC3 | 0.50 | 0.02 | 0.89 |
| DC4 | 0.49 | 0.02 | 0.93 |
| DC5 | 0.51 | 0.03 | 1.03 |

Data Center Hourly Average Processing Times

DC1

DC2

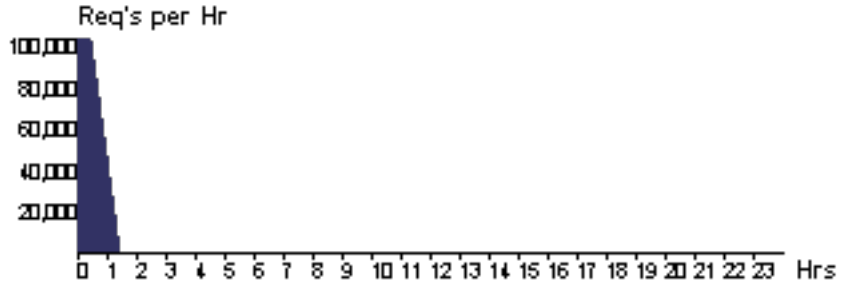
DC3

DC4

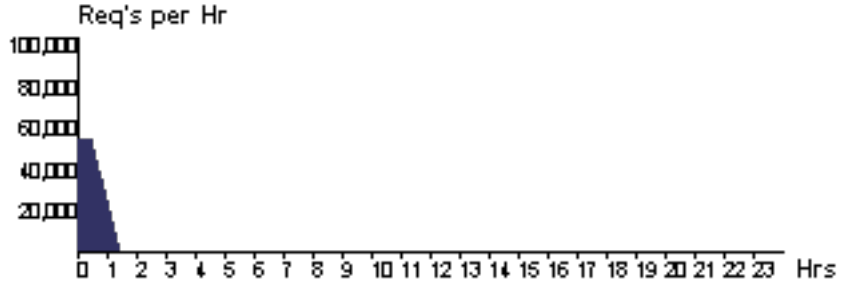
DC5

Data Center Hourly Loading

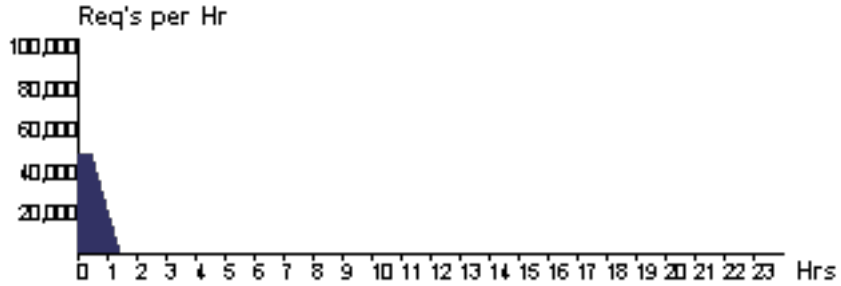
DC1



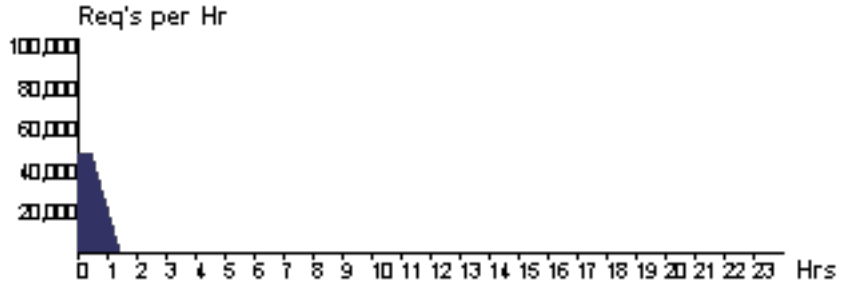

DC2



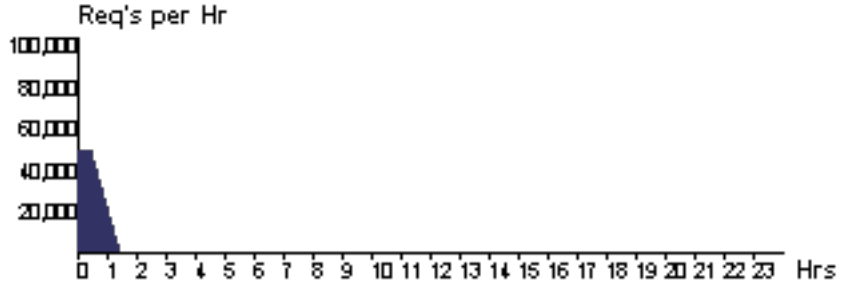

DC3




DC4




DC5




Cost

| | |
|---|---|
| Total Virtual Machine Cost ($): | 2.50 |
| Total Data Transfer Cost ($): | 3.20 |
| Grand Total: ($) | 5.70 |

| Data Center | **VM Cost $** | **Data Transfer Cost $** | **Total $** |
|---|---|---|---|
| DC2 | 0.50 | 0.58 | 1.08 |
| DC1 | 0.50 | 1.09 | 1.59 |
| DC4 | 0.50 | 0.51 | 1.01 |
| DC3 | 0.50 | 0.51 | 1.01 |
| DC5 | 0.50 | 0.52 | 1.02 |