Results of the Simulation Completed at: 07/02/2023 02:33:15

2. EQUALLY SPREAD CURRENT EXECUTION LOAD

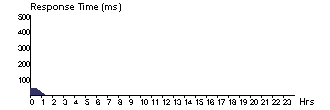
Overall Response Time Summary

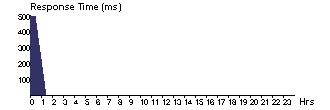
|  |  |  |  |
| --- | --- | --- | --- |
|  | **Avg (ms)** | **Min (ms)** | **Max (ms)** |
| Overall response time: | 318.72 | 41.59 | 609.02 |
| Data Center processing time: | 1.24 | 0.02 | 2.29 |

Response Time by Region

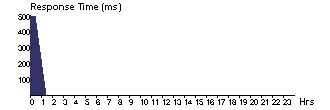
|  |  |  |  |
| --- | --- | --- | --- |
| **Userbase** | **Avg (ms)** | **Min (ms)** | **Max (ms)** |
| UB10\_025 | 50.70 | 41.96 | 57.51 |
| UB11\_025 | 504.79 | 410.14 | 581.52 |
| UB12\_025 | 505.23 | 396.47 | 587.84 |
| UB13\_025 | 498.00 | 395.12 | 577.76 |
| UB14\_025 | 501.44 | 431.52 | 594.02 |
| UB15\_025 | 500.48 | 382.72 | 564.02 |
| UB16\_025 | 495.30 | 409.02 | 558.82 |
| UB17\_025 | 506.43 | 431.29 | 582.67 |
| UB18\_025 | 498.52 | 398.82 | 581.52 |
| UB19\_025 | 499.42 | 397.87 | 592.78 |
| UB1\_025 | 50.93 | 43.51 | 63.76 |
| UB20\_025 | 506.36 | 439.00 | 591.49 |
| UB21\_025 | 498.22 | 409.02 | 609.02 |
| UB22\_025 | 499.45 | 422.72 | 593.78 |
| UB23\_025 | 496.08 | 416.52 | 570.16 |
| UB24\_025 | 495.42 | 405.19 | 580.43 |
| UB25\_025 | 503.93 | 392.66 | 575.11 |
| UB26\_025 | 499.18 | 434.02 | 596.52 |
| UB27\_025 | 500.95 | 422.58 | 599.02 |
| UB28\_025 | 497.56 | 406.43 | 585.08 |
| UB29\_025 | 504.69 | 432.59 | 577.64 |
| UB2\_025 | 50.44 | 42.33 | 60.86 |
| UB30\_025 | 504.71 | 416.52 | 574.00 |
| UB31\_025 | 199.13 | 166.35 | 238.53 |
| UB32\_025 | 203.43 | 166.52 | 238.54 |
| UB33\_025 | 200.58 | 167.43 | 240.10 |

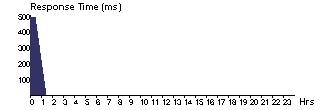
|  |  |  |  |
| --- | --- | --- | --- |
| UB34\_025 | 201.28 | 175.47 | 235.46 |
| UB35\_025 | 199.41 | 164.17 | 233.52 |
| UB36\_025 | 202.19 | 168.19 | 234.04 |
| UB37\_025 | 200.24 | 165.10 | 232.52 |
| UB38\_025 | 201.87 | 154.46 | 236.52 |
| UB39\_025 | 200.88 | 169.40 | 230.11 |
| UB3\_025 | 297.31 | 253.38 | 346.62 |
| UB40\_025 | 203.93 | 167.52 | 254.38 |
| UB4\_025 | 51.15 | 44.27 | 59.81 |
| UB5\_025 | 50.97 | 43.26 | 61.76 |
| UB6\_025 | 51.70 | 43.30 | 59.59 |
| UB7\_025 | 51.61 | 41.59 | 62.46 |
| UB8\_025 | 50.99 | 42.26 | 59.14 |
| UB9\_025 | 50.47 | 43.07 | 58.77 |

User Base Hourly Response Times UB10\_025

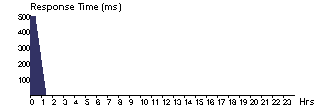
UB11\_025

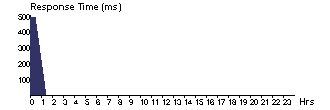
UB12\_025



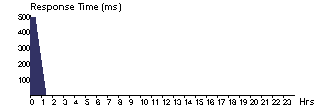
UB13\_025

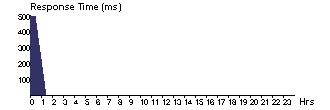
UB14\_025



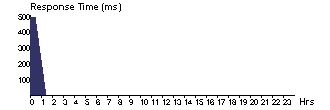
UB15\_025

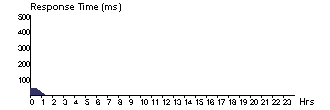
UB16\_025



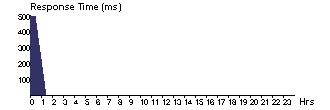
UB17\_025

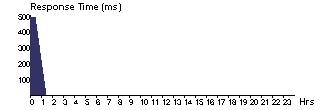
UB18\_025 UB19\_025



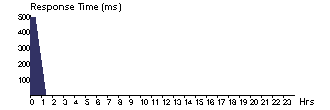
UB1\_025

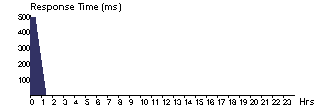
UB20\_025



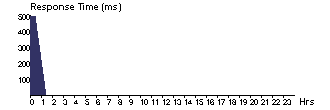
UB21\_025

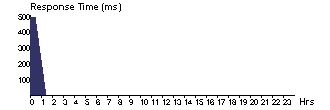
UB22\_025 UB23\_025



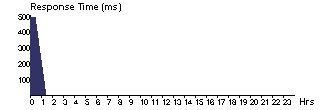
UB24\_025

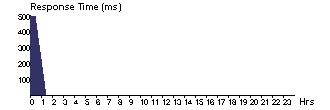
UB25\_025



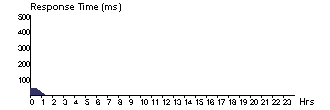
UB26\_025

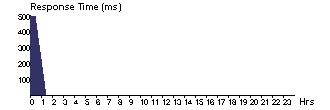
UB27\_025 UB28\_025



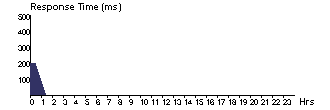
UB29\_025

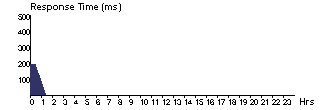
UB2\_025



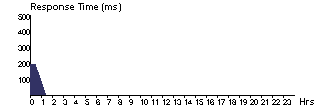
UB30\_025

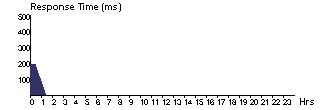
UB31\_025 UB32\_025



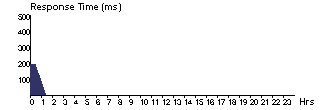
UB33\_025

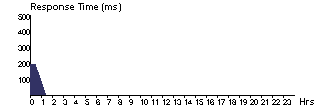
UB34\_025



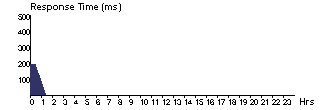
UB35\_025

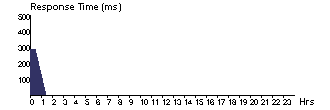
UB36\_025 UB37\_025



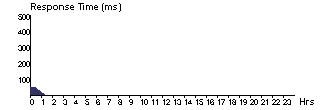
UB38\_025

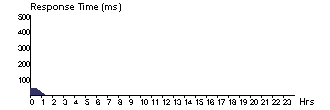
UB39\_025



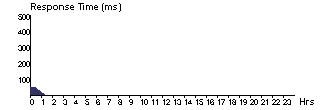
UB3\_025

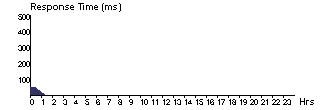
UB40\_025 UB4\_025



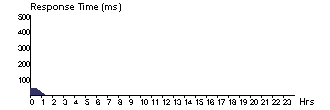
UB5\_025

UB6\_025



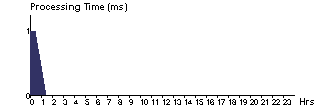
UB7\_025

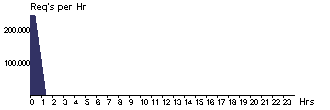
UB8\_025 UB9\_025



Data Center Request Servicing Times

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Center** | **Avg (ms)** | **Min (ms)** | **Max (ms)** |
| DC1\_025 | 1.24 | 0.02 | 2.29 |

Data Center Hourly Average Processing Times DC1\_025

Data Center Hourly Loading DC1\_025

Cost

Total Virtual Machine Cost ($): 0.50

Total Data Transfer Cost ($): 2.35

Grand Total: ($) 2.85

|  |  |  |  |
| --- | --- | --- | --- |
| Data Center | **VM Cost $** | **Data Transfer Cost $** | **Total $** |
| DC1\_025 | 0.50 | 2.35 | 2.85 |