

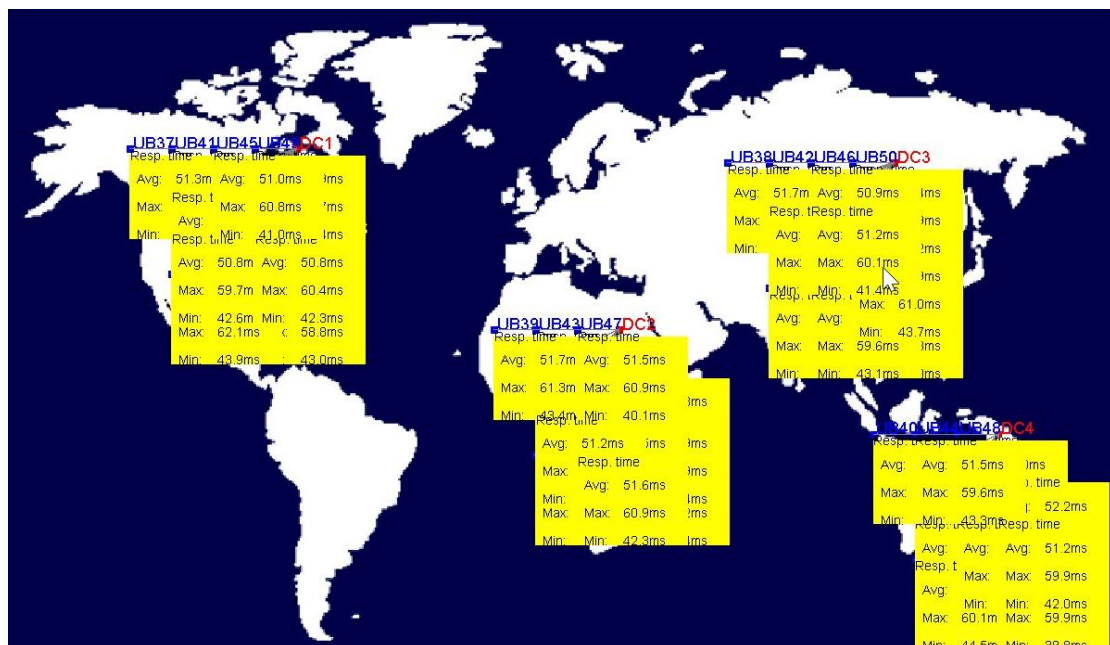
Cloud Computing Lab - 3

Simulate the cloud analyst environment as per the following specification :

Create 4 dc in continents north america,asia,afrika,australia with 50 Ub in respective continents. Ub should have 100 user grouping factor and 100 request grouping factor in DCs with executable instruction length 150 per request(byte) with following load balancing policies:-

- Round robin
- equally spread current execution load
- throttle

Prepare a graph based on the avg response time for this load balancing policy for the same specification by selecting different service broker policy.



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.23	38.58	67.01
Data Center processing time:	1.59	0.02	4.82

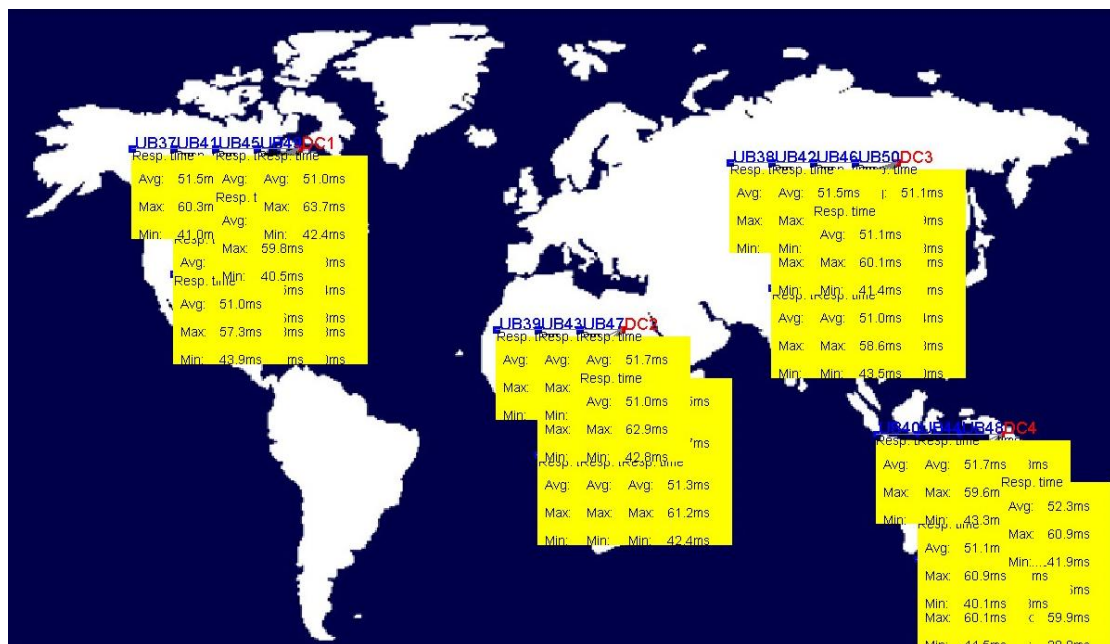
Closest Data Center - Round Robin



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.23	38.58	67.01
Data Center processing time:	1.59	0.02	3.82

Closest Data Center - Equally spread current execution load



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.23	38.58	67.01
Data Center processing time:	1.59	0.02	2.77

Closest Data Center - Throttled



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.29	38.61	63.75
Data Center processing time:	1.60	0.02	4.90

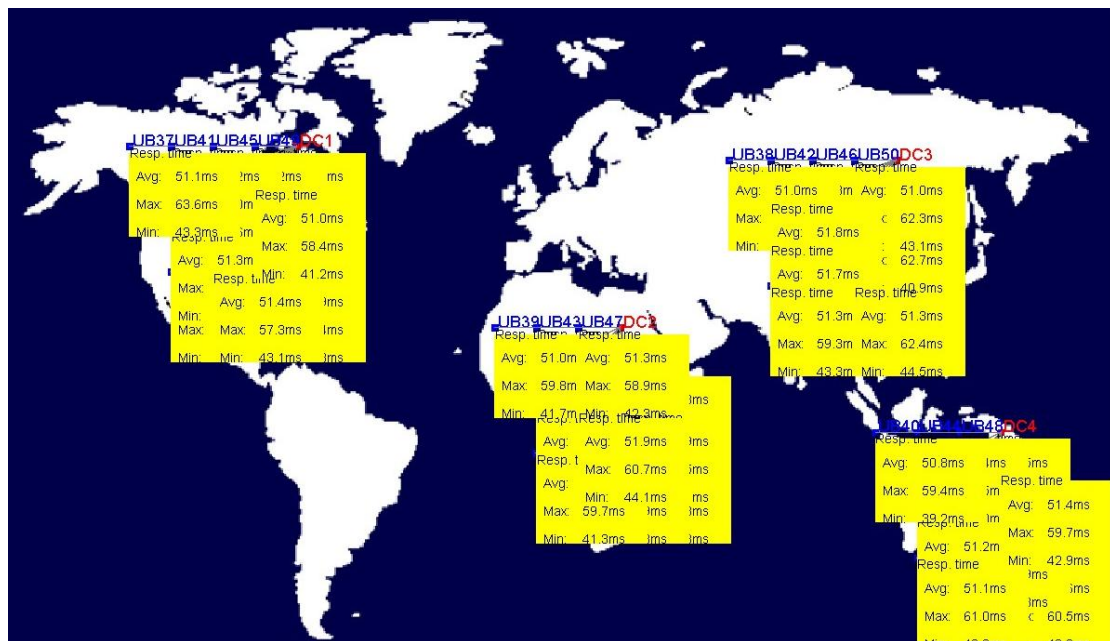
Optimal Data Center - Round Robin



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.29	38.61	63.75
Data Center processing time:	1.60	0.02	2.71

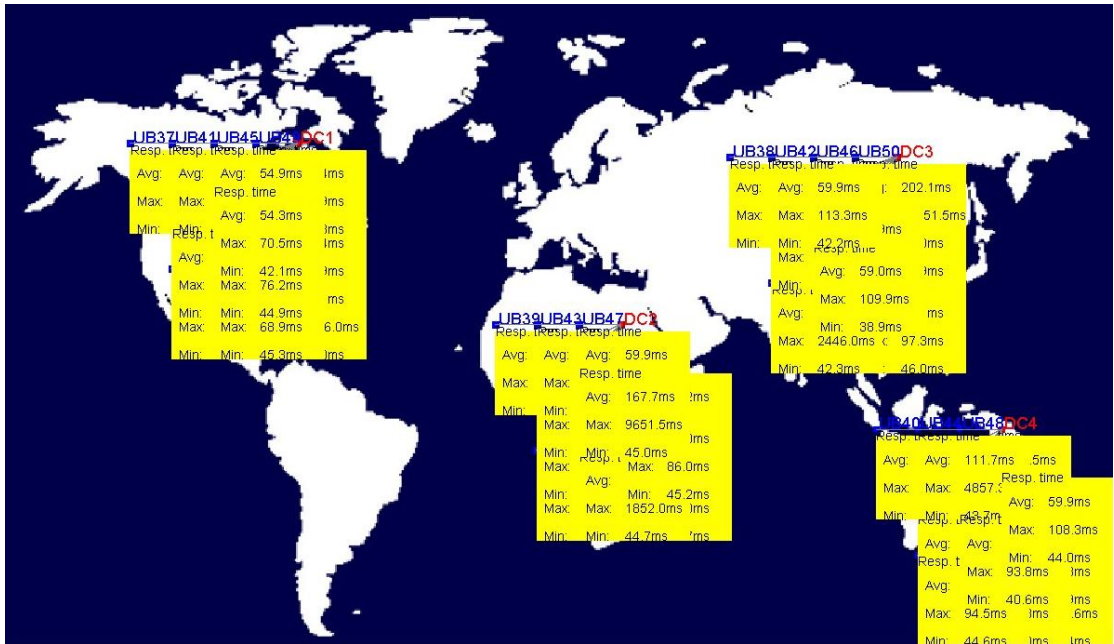
Optimal Data Center - equally spread current execution load



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.29	38.61	63.75
Data Center processing time:	1.60	0.02	2.85

Optimal Data Center - Throttled



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	70.03	38.90	12051.51
Data Center processing time:	20.35	0.02	12000.76

Dynamic Data Center - Round Robin



Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	59.13	38.90	7848.51
Data Center processing time:	9.44	0.02	7800.75

Dynamic Data Center - equally spread current execution load

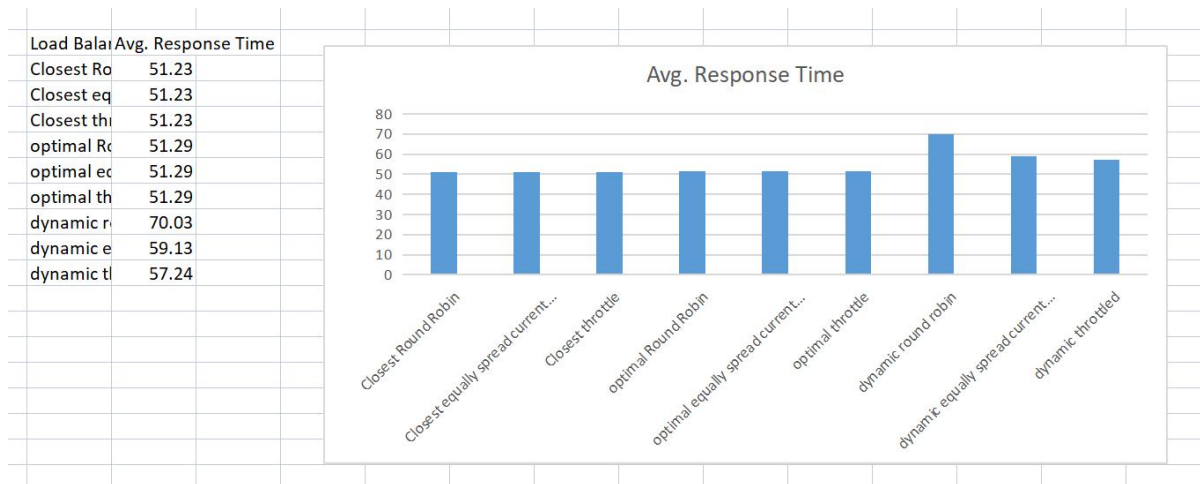


Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	57.24	38.97	86.54
Data Center processing time:	7.59	0.02	24.39

Dynamic Data Center - Throttled

Final Graph



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