

Metrics	Optimization Objectives	Simulators
average resource utilization	maximizing resource utilization	All Four
total number of PMs (hosts) need	maximizing resource utilization	All Four
average CPU utilization	load balancing	All
average utilization of all CPUs in a cloud datacenter	load balancing	All Four
integrated load imbalance value of a server	load balancing	CloudSched
imbalance value of all CPUs	load balancing	CloudSched
average imbalance value a physical server	load balancing	CloudSched
average imbalance value of a Cloud datacenter	load balancing	CloudSched
total simulation time	All	All Four
makespan or longest processing time	load balancing	CloudSim, CloudSched
energy consumption model	energy-efficiency	CloudSim, GreenCloud, CloudSched
total energy consumption of a Cloud data center	energy-efficiency	CloudSim, GreenCloud, CloudSched
total number of PMs used	energy-efficiency	CloudSim, GreenCloud, CloudSched
total power-on time of all PMs	energy-efficiency	CloudSim, GreenCloud, CloudSched
cost / per task	C / P	iCanCloud
confidence interval	confidence interval	CloudSched