

Batch Updates in VdsUpdateRuntimeInfo

Performance Comparison

The following table compares the same updates with and without batch updates, and calculates how much time using batch updates per update operation saves.

Measurements were done using JProfiler, on All-states thread status (meaning CPU and Waiting). CPU only results shows the same improvement.

I am still checking the actual amount of time saved in the database for these operations.

Query	Engine			Database		
	No batch	With Batch	Benefit	No batch	With Batch	Benefit
updatevmdynamic	18892us	1192us	94%			
updatevmstatistics	16919us	863us	95%			
update_vds_interface_statistics	5883us	3546us	40%			
update_vm_interface_statistics	10578us	879us	92%			
updatevmdeviceruntimeinfo	10576us	610us	94%			

Gerrit patches

Change ID	URL	Description
If5ee0aa9	http://gerrit.ovirt.org/#/c/15039/	core: Introducing Batch updates to DAOs (Merged)
I96dd3a2f	http://gerrit.ovirt.org/#/c/16018/	core: Add batch update capability to MassOperationsDao (Merged)
Ie3e9735f	http://gerrit.ovirt.org/#/c/16066/	engine : VdsUpdateRuntimeInfo updates the data of a specific VDS.