

Gathering performance metrics ...



[ikrolo](#) 2 posts since

Jun 18, 2009

Hi,

I'm querying a Virtual Center for a set of Performance Metrics for multiple MORs through Java. I'm trying to determine what are the most efficient ways.

The MORs are all the Virtual Machines belonging to one host. I'm probing for the most recent sample of 20 seconds, which I understand goes to the host directly since the time interval is less than the past 30 minutes (though I can't understand why that'd be more efficient than getting the stats from the VC database).

I have done it in 2 ways:

1. Calling `service.queryPerf()` multiple times, with a unique `PerfQuerySpec` each time which has a list of metrics and a MOR I'm interested in.
2. Calling `service.queryPerf()` one time, passing it a list of unique `PerfQuerySpecs` - one for each MOR with the same list of metrics in each `PerfQuerySpec`.

The strange thing is that doing it either way resulted in the same speed. I would have thought that option 2 would have been faster, but I'm starting to think providing it an array of `PerfQuerySpecs` is just a convenience, and it just loops through them and does the same thing as option 1....

Also, to speed up performance metrics gathering, I have seen in the Best Practices webinar that it's a good idea to split the requests into multiple threads. Would it be best to split all metrics gatherings into separate batches by hosts and items lower in the hierarchy (like the VMs that belong to a host), since probing the VC for a time interval of less than 30 minutes probes the hosts? Tags: java, sdk, webservices, api



[Chandrashekhar](#) 53 posts since

Mar 19, 2009 **1. Re: Gathering performance metrics efficiently** Jun 22, 2009 9:55 PM

hi buddy,

Even i also want to get performance counter information of esx hosts and its virtual machines by connecting to vCenter server only. Can u give me ur sample code?



[Chandrashekhar](#) 53 posts since

Mar 19, 2009 **2. Re: Gathering performance metrics efficiently** Jun 22, 2009 9:57 PM

Hi buddy,


even i also want to get performance counter information from esx servers and its corrsponding vm's. Can u give me ur sample code? Or atleast idea behind it?



[heyitspablo](#) 165 posts since

Feb 26, 2007 **3. Re: Gathering performance metrics efficiently** Jul 2, 2009 10:04 AM

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 in response to: [Chandrashekar](#) We have been collecting a lot of info around Performance Monitoring.. Check out latest sample code and video Sessions can be found here..

<http://www.vmware.com/communities/content/developer/webinars/performance.html>

This will also be a hot session in upcoming Developer Day @ VMworld 2009



[dmitrif](#) 71 posts since

May 13, 2008 4. **Re: Gathering performance metrics efficiently** Jul 3, 2009 12:19 PM

From my measurements looks like the second method is up to 40% faster, but when processing large sets it might timeout.