



## vSphere Optimization Health Check



### Why Do I Need a vSphere Optimization Health Check?

Virtual machine compute, RAM and storage are often sized to a specification given by an application vendor or a size assumed to be reasonable by an application team. However, unless there are performance issues this size is almost never adjusted to “right size” the resources for tasks being performed by the VM. This typically results in overprovisioning of VM resources that may never actually be utilized by the VM. To recapture these resources, IT needs to be able to measure resource consumption (RAM, CPU, etc) to be able to quantify peak usage.

Additionally, when applications are sluggish, VM resources are often cited by application teams as being insufficient for application performance. This is often difficult for IT administrators to confirm because they do not have ready access to VM resource consumption metrics over time. Even VM’s that may have adequate resources are given additional (and sometimes unneeded) additional resources to “make sure” that RAM, CPU and storage are not bottlenecks to performance.

The vSphere Optimization Health Check provide KPI’s measurements over time to determine whether VM resources are overprovisioned (consuming more resources than necessary) or underprovisioned (causing performance issues). This helps IT organization ensure that VM’s are have necessary resources for needed performance, without consuming more resources than necessary.

### Common Scenarios

A vSphere Optimization Health Check may make sense if you are interested in:

- VVMware assessment
- VMware healthcheck
- VMware rightsizing
- Server refresh

### Benefits of the Healthcheck:

- Detailed time based analysis of vSphere environment.
- Running more VM’s on existing compute hardware
- Advanced analysis of infrastructure related VM performance issues

### Healthcheck Features:

- Analysis of vSphere KPI’s over time

### Deliverables:

- Report detailing major infrastructure resource contention, rightsizing of VM’s to recapture resources, and analysis of current deployment against VMware best practices