

Thinking about using resource pools to...



Derek Cassese 13

2008-5-26

At the moment I have two datacenters. One for production and another for validation. I am thinking I would get better use of my 6 validation servers if I brought them all under the same datacenter but used resource pools to create the logical separation between production and validation vm's. The idea then is I could have a very low utilized vm running on the same host as a highly used production vm.

The problem is I am not too clear on the whole resource pool / shares concepts.

Any input, thoughts, sugestions would be greatly appreciated.



Kraig van der Klomp 3

2008-7-1 1. **Re: Thinking about using resource pools to separate Production from Validation** 2009-1-21 11:57

Resource pools are designed to segment/reserve physical resources for groups of vm's and not really for use as a logical separation within a virtual infrastructure.

One simple way to make the logical separation would be implementing a naming convention in you inventory. Simply prefixing the name in VI with something like validation_<servername> then sorting the servers by name would create a logical grouping.

Thinking about using resource pools to...

I'm always careful when there is the potential of depriving production vms of resources they might need within the cloud.

On the other hand changing the values within a resource pool is pretty simple and can be done when needed. So grouping with resource pools for logical reasons could be a workable solution.

A lot depends on how much utilization is happening in the production environment. If there are plenty of resources then the potential for harm from creating a resource pool for logical reasons is not much of an issue.

If you do use use a resource pool for the logical grouping I recommend making a note that the resource pool was created for logical reasons not for QOS reasons.



Chris Martinez 4

2008-4-2 2. Re: Thinking about using resource pools to separate Production from Validation 2009-1-27 5:07

At my organization I have the development servers in the same cluster as the production servers and am using resource pools as expected. Logically I identify the servers with a "dev" prefix and under the Virtual Machines inventory tab I created a Dev folder to place the guests in.

I chose to do this to have more hosts and resources in the HA cluster. Which has worked great as I have not had any performance issues.

Configuring Resource Pools is rather easy. You can review this VMware doc as it's all about resource management... http://www.vmware.com/pdf/vi3_35/esx_3/r35u2/vi3_35_25_u2_resource_mgmt.pdf