

vCenter Configuration Mirroring

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In order for *up.time* to successfully integrate virtual and physical monitoring, it needs to be completely in step with a highly dynamic virtual infrastructure. For administrators, understanding the level at which *up.time* mirrors changes helps you figure out what you can integrate into an alerting policy, and how to avoid false positives.

vSync Change Events

The following VMware vCenter event types are detectable by vSync, along with the action performed in *up.time* :

Datacenters	
datacenter found	• automatically added to any vSphere service groups that have a master datacenter service that unconditionally takes newly discovered datacenters as child services • association is established with a VMware vCenter server
datacenter deleted	all references to the datacenter are removed from <i>up.time</i>
ESX Servers	
host found	• automatically added to any vSphere service groups that have a master ESX host service that unconditionally takes newly discovered ESX hosts as child services • association is established with a VMware vCenter server • automatically moved to the list of ignored Elements for a VMware vCenter server if its addition will violate your license
host deleted	• monitoring is disabled, and automatically switched to list of ignored Elements for a VMware vCenter server • all references to the ESX server in <i>up.time</i> are removed
power state change	all regular procedures associated with power state changes are performed
host added to or removed from cluster	VMware vCenter server topology is updated
configuration change	configuration details are reflected in the host's <i>up.time</i> profile, unless it is on the list of ignored Elements
display name change	a change to the ESX host's display name in the VMware vSphere Client is reflected in the host's <i>up.time</i> Element display name, unless it is on the list of ignored Elements
host name change	a change to the ESX host's DNS name is reflected in the host's <i>up.time</i> Element host name, unless it is on the list of ignored Elements
VMs	
VM licensing change	VMs do not affect <i>up.time</i> licensing if they are managed by an ESX server that is being monitored by <i>up.time</i>
VM found	• automatically added to any vSphere service groups that have a master VM service that unconditionally takes newly discovered VMs as child services • association is established with an ESX server
VM deleted	• monitoring is disabled, and automatically switched to list of ignored Elements for a VMware vCenter server • all references to the VM in <i>up.time</i> are removed
power state change	all regular procedures associated with power state changes are performed
VM vMotion	automatically update topological dependencies to reflect the new host for the VM, and the previous one
configuration change	configuration details are reflected in VM's <i>up.time</i> profile unless it is on the list of ignored Elements
display name change	a change to the VM's display name in the VMware vSphere Client is reflected in the VM's <i>up.time</i> Element display name, unless it is on the list of ignored Elements
host name change	a change to the VM's DNS name is reflected in the VM's <i>up.time</i> Element host name, unless it is on the list of ignored Elements
vApps	

vApp found	• automatically added to any vSphere service groups that have a master vApp that unconditionally takes newly discovered vApps as child services • association is established with a VMware vCenter server
vApp deleted	• automatically removed from the hierarchical listing in <i>My Infrastructure</i> • all service monitor references to the VMware vCenter are removed
power state change	all regular procedures associated with power state changes are performed
configuration change	configuration details reflected in vApp's up.time profile
Clusters	
cluster found	• automatically added to any vSphere service groups that have a master cluster service that unconditionally takes newly discovered clusters as child services • association is established with a VMware vCenter server • automatically moved to the list of ignored Elements for a VMware vCenter server if its addition will violate your license
cluster deleted	• automatically removed from the hierarchical listing in <i>My Infrastructure</i> • all service monitor references to the VMware vCenter are removed
configuration change	configuration details reflected in cluster's up.time profile
Resource Pools	
resource pool found	• automatically added to any vSphere service groups that have a master resource pool that unconditionally takes newly discovered resource pools as child services • association is established with a VMware vCenter server
resource pool deleted	• automatically removed from the hierarchical listing in <i>My Infrastructure</i> • all service monitor references to the VMware vCenter are removed
configuration change	configuration details reflected in resource pool's up.time profile