

Virtual System Configuration Mirroring

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In order for Uptime Infrastructure Monitor 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 Uptime Infrastructure Monitor mirrors changes helps you figure out what you can integrate into an alerting policy, and how to avoid false positives.

[Sync \(Hyper-V\) and vSync \(VMware vCenter\) Change Events](#)

The following virtual system event types are detectable by Sync/vSync, along with the action performed in Uptime Infrastructure Monitor:

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| Datacenters (vSync) | |
| datacenter found | <ul style="list-style-type: none">• 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 Uptime Infrastructure Monitor |
| Hyper-V Host and ESX Servers | |
| host found (ESX only) | <ul style="list-style-type: none">• 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 violates your license |
| host deleted (ESX only) | <ul style="list-style-type: none">• monitoring is disabled, and automatically switched to list of ignored Elements for a VMware vCenter server• all references to the ESX server in Uptime Infrastructure Monitor are removed |
| power state change | all regular procedures associated with power state changes are performed |
| host added to or removed from cluster (ESX only) | VMware vCenter server topology is updated |
| configuration change | configuration details are reflected in the host's Uptime Infrastructure Monitor profile, unless it is on the list of ignored Elements |
| display name change | a change to the host's display name in the Client is reflected in the host's Uptime Infrastructure Monitor Element display name, unless it is on the list of ignored Elements |
| host name change | a change to the host's DNS name is reflected in the host's Uptime Infrastructure Monitor Element host name, unless it is on the list of ignored Elements |
| VMs | |
| VM licensing change | VMs do not affect Uptime Infrastructure Monitor licensing if they are managed by a Hyper-V host or ESX server monitored by Uptime Infrastructure Monitor |
| VM found | <ul style="list-style-type: none">• automatically added to any service groups that have a master VM service that unconditionally takes newly discovered VMs as child services• association is established with a host server |
| VM deleted | <ul style="list-style-type: none">• monitoring is disabled, and automatically switched to list of ignored Elements• all references to the VM in Uptime Infrastructure Monitor are removed |
| power state change | all regular procedures associated with power state changes are performed |
| VM vMotion (vCenter only) | 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 Uptime Infrastructure Monitor profile unless it is on the list of ignored Elements |
| display name change | a change to the VM's display name in the Client is reflected in the VM's Uptime Infrastructure Monitor Element display name, unless it is on the list of ignored Elements |

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| host name change | a change to the VM's DNS name is reflected in the VM's Uptime Infrastructure Monitor Element host name, unless it is on the list of ignored Elements |
| vApps (vCenter only) | |
| vApp found | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 Uptime Infrastructure Monitor profile |
| Clusters (vCenter only) | |
| cluster found | <ul style="list-style-type: none"> • 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 violates your license |
| cluster deleted | <ul style="list-style-type: none"> • 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 Uptime Infrastructure Monitor profile |
| Resource Pools (vCenter only) | |
| resource pool found | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 Uptime Infrastructure Monitor profile |