Community.VMware

Community developed Operations Manager monitoring for VMware

**Description**

This project was created to provide a free VMware monitoring option to the Operations Manager community. The workflows in this Management Pack utilize PowerShell and VMware vSphere PowerCLI to connect to vCenter to perform monitoring.

**Getting Started**

**Basic Requirements**

* Operations Manager 2012
* VMware vCenter Server
* VMware vSphere PowerCLI (Installed on Management Servers)

**Setup**

1. Install the Operations Manager agent on each VMware vCenter server
2. Download [VMware vSphere PowerCLI](https://www.vmware.com/support/developer/PowerCLI/)
3. Install vSphere PowerCLI on each Management Server
4. Grant vCenter Read-only access for SCOM
	1. Management Server **Default Action Account** accounts.
	2. OR use a new service account and configure it with the following:
		1. Local Administrator access on each Management Server
		2. SCOM Read-only access
		3. Add the account to the **Community - VMware Monitoring Profile** after importing the Management Pack
5. Import the Management Pack files
	1. Community.VMware.mpb
	2. Community.VMware.Unsealed.xml
6. (optional) Configure the members of the **Community - VMware Monitoring Resource Pool**

**Monitoring**

**VMware vCenter Inventory Objects**

* Datacenters
	+ Monitors
		- VMware Datacenter Datastore Space Free Percent
	+ Rules
		- VMware Datacenter Datastore Space Capacity TB Collection
		- VMware Datacenter Datastore Space Used TB Collection
		- VMware Datacenter Datastore Space Free TB Collection
* Clusters
	+ Monitors
		- VMware Cluster Current Failover Level
		- Host Availability
		- Host Performance
		- VMware Cluster Memory Usage Average
		- VMware Cluster Datastore Space Free Percent
		- VMware Cluster CPU Usage Average
	+ Rules
		- VMware Cluster Memory Usage Average Percent Collection
		- VMware Cluster Datastore Space Used Percent Collection
		- VMware Cluster Datastore Space Used GB Collection
		- VMware Cluster Datastore Space Free Percent Collection
		- VMware Cluster Datastore Space Free GB Collection
		- VMware Cluster Datastore Space Capacity GB Collection
		- VMware Cluster CPU Usage Average Percent Collection
* Hosts
	+ Monitors
		- VMware Host Power State
		- VMware Host Memory Usage Percent
		- VMware Host Datastore Space Free Percent
		- VMware Host CPU Usage Percent
	+ Rules
		- VMware Host Memory Usage Percent Collection
		- VMware Host Memory Usage MB Collection
		- VMware Host Memory Usage Free Collection
		- VMware Host Memory Usage Capacity Collection
		- VMware Host Datastore Space Used Percent Collection
		- VMware Host Datastore Space Used GB Collection
		- VMware Host Datastore Space Free Percent Collection
		- VMware Host Datastore Space Capacity GB Collection
		- VMware Host CPU Usage Percent Collection
		- VMware Host CPU Usage MHz Collection
		- VMware Host CPU Free MHz Collection
		- VMware Host CPU Capacity MHz Collection
* Datastores
	+ Monitors
		- VMware Datastore State
		- VMware Datastore Space Free Percent
		- VMware Datastore Space Free GB
	+ Rules
		- VMware Datastore Space Used Percent Collection
		- VMware Datastore Space Used GB Collection
		- VMware Datastore Space Free Percent Collection
		- VMware Datastore Space Free GB Collection
		- VMware Datastore Space Capacity GB Collection
* Networks
	+ Monitors
		- VMware Network Overall Status
* vApps
	+ Monitors
		- VMware vApp Started State

**VMware Rollup Objects**

The VMware Rollup objects are discovered separately for a rollup of the vCenter objects to the top of their hosting vCenter instance. This is displayed in the **vCenter Topology Rollup** Diagram View.

**Views**

The views contained in this management pack are included in the **VMware** view folder.

* **1. Active Alerts** - Presents all active alerts for all of the discovered VMware vCenter Inventory objects
* **2. vCenter Topology Rollup** - Presents all vCenter instances with a **Hosts and Clusters** like drill down
* **3. vCenter Object States** - Presents each vCenter Server and their hosted vCenter object states. Click on each column to see the state of each objects
* **1. Inventory Objects** - Folder that includes state views for the discovered vCenter inventory objects.
* **2. Custom Views** - Folder for adding custom views