vSphere Element Configurations

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Outside of vSync-related management, you may want to change the way vSphere Elements (i.e., VMware vCenter servers, ESX servers, and VMs) are displayed in Uptime Infrastructure Monitor, as well as test that their data collection is functioning correctly.

vCenter Element Profiles

The System Profile section on a VMware vCenter server's Info page allows you to modify its descriptive information in Uptime Infrastructure Monitor, change how Uptime Infrastructure Monitor communicates with it, and how often it is polled for metric data.

vCenter Server Profile Settings

The following settings define a VMware vCenter server profile in Uptime Infrastructure Monitor:

Display Name	The name used for the VMware vCenter server Element throughout the Uptime Infrastructure Monitor interface (e.g., Infrastructure).
Host Name	The actual host name of the server.
Description	An optional description for the server that is used in different parts of the Uptime Infrastructure Monitor interface (e.g., in tool tips in Global Scan and Infrastructure).
Monitored Status	A switch that enables and disables monitoring for the server in Uptime Infrastructure Monitor. When disabled, the Element no longer appears in Global Scan, and its child ESX servers and their respective VMs also cease data collection.
Storage Polling Interval	The frequency that the VMware vCenter server collects storage-related metric data.
Performance Data Polling Interval	The frequency that the VMware vCenter server collects performance data for all of its components (datacenters, clusters, resource pools, vApps).
Username	The VMware administrator username used to access the VMware vCenter server.
Password	The password required for administrator access.
Port	The port through which Uptime Infrastructure Monitor communicates with the VMware vCenter server.
Connection Status	A standard Uptime Infrastructure Monitor status indicator for the VMware vCenter server.

Viewing and Editing a vCenter Server Profile

To modify the display details for a VMware vCenter server Element in Uptime Infrastructure Monitor, or modify the rate at which it gathers metric data for its component resources, do the following:

1. In the Infrastructure panel, click the gear icon beside the VMware vCenter server, then in the pop-menu, select **View**.
2. On the VMware vCenter Element profile page, click **Edit System Profile**.
3. In the Edit System Profile pop-up window, make all required changes. For more information about the vCenter server, see vCenter Server Profile Settings.
4. Click **Save**.

ESX Server Element Profiles

The Info tab for an ESX server allows you to modify its descriptive information in Uptime Infrastructure Monitor, test its data collection status, and view its VM inventory.

For each ESX server, Uptime Infrastructure Monitor also performs regular configuration checks to ensure all aspects of the hypervisor's managed virtual assets, as well as its own hardware details are up to date. By default, this information is polled by the vSphere ESX Server Configuration Gatherer service monitor, and includes the following configuration details:

- virtual and network datastore profiles and capacities
- NICs and virtual networks
- physical CPU, disk, and file system information
- for managed VMs, vNICs and virtual disks

ESX Server Profile Details and Settings

The following details and settings can be viewed or configured for an ESX server profile in Uptime Infrastructure Monitor:

Sync Display Name	Determines whether the VM's display name is locked to the VMware vSphere Client object name, and refreshed during vSync.

Display Name	The name used for the ESX server throughout the Uptime Infrastructure Monitor interface (e.g., Infrastructure).
Sync Host Name	Determines whether the ESX host name in Uptime Infrastructure Monitor is locked to its DNS name, and refreshed during vSync.
Host Name	The actual host name of the server.
Description	An optional description for the server that is used in different parts of the Uptime Infrastructure Monitor interface (e.g., in tool tips in Global Scan and Infrastructure).
Parent Group	The group the ESX server is assigned to, for organization in Infrastructure.
vSphere Parent Object	The VMware vSphere component (e.g., cluster) to which the ESX server belongs. If the user has access rights, this object links to that Element's Quick Snapshot page.
vCenter Server	The VMware vCenter server that manages this ESX server. If the user has access rights, this links to that Element's Quick Snapshot page.
Monitored Status	A switch that enables and disables monitoring for the server in Uptime Infrastructure Monitor. When disabled, the Element no longer appears in Global Scan, and its VMs cease data collection.
Basic Performance Data Polling Interval	The amount of time, in minutes, that Uptime Infrastructure Monitor waits between metric data retrieval operations.
Advanced Performance Data Polling Interval	The advanced data settings perform the same functions as those above, but are for advanced VMware vSphere metrics.

Viewing and Editing an ESX Server Profile

To modify the display details for an ESX server Element in Uptime Infrastructure Monitor, or modify the rate at which it gathers metric data for its component resources, do the following:

1. In the Infrastructure panel, click the ESX server name.
2. On the ESX server profile page, click **Edit System Profile**.
3. In the Edit System Profile pop-up window, make all required changes. For more information about the ESX server, ESX Server Profile Details and Settings.
4. Click **Save**.

Testing and Modifying Data Collection for an ESX Server

To ensure Uptime Infrastructure Monitor can successfully draw metric data collected by the VMware vSphere platform for an ESX server, do the following:

1. In the Infrastructure panel, click the ESX server name.
2. On the ESX server profile page, in the Data Collection section, click **Test for Basic Platform Performance Status**.
3. For the Advanced Platform Performance Status, click **Test**.
4. To make any changes, click **View Settings**, and then click **Edit Info**. For more information about making changes to data polling for an Element, see Editing the Platform Performance Gatherer.

VM Element Profiles

The System Profile section on a VMware vCenter server's Info page allows you to modify its descriptive information in Uptime Infrastructure Monitor, change how Uptime Infrastructure Monitor communicates with it, and how often it is polled for metric data.

VM Profile Details and Settings

The following details and settings can be viewed or configured for an ESX server profile in Uptime Infrastructure Monitor:

Sync Display Name	Determines whether the VM's display name is locked to the VMware vSphere Client object name, and refreshed during vSync.
Display Name	The name used for the VM throughout the Uptime Infrastructure Monitor interface (e.g., Infrastructure).
Sync Host Name	Determines whether the VM's host name in Uptime Infrastructure Monitor is locked to its DNS name, and refreshed during vSync.
Host Name	The actual host name of the VM.
Description	An optional description for the VM that is used in different parts of the Uptime Infrastructure Monitor interface (e.g., in tool tips in Global Scan and Infrastructure).
Parent Group	The group the VM is assigned to, for organization in Infrastructure.
Monitored Status	A switch that enables and disables monitoring for the VM in Uptime Infrastructure Monitor. When disabled, the VM does not appear in Global Scan, and no data is collected for it.
Basic Performance Data Polling Interval	The amount of time, in minutes, that Uptime Infrastructure Monitor waits between metric data retrieval operations for the VM. This option appears only if the VM is receiving metric data via WMI or the Uptime Infrastructure Monitor Agent.

Number of Processes to Retrieve	The number of VM processes, based on the most usage, those metrics are collected for the VM. This option appears only if the VM is receiving metric data via WMI or the Uptime Infrastructure Monitor Agent.

Viewing and Editing a VM Profile

To modify the display details for a VM Element in Uptime Infrastructure Monitor, do the following:

1. In the Infrastructure panel, click the VM name.
2. On the VM profile page, click **Edit System Profile**.
3. In the Edit System Profile pop-up window, make all required changes. For more information about the VM profile, VM Profile Details and Settings.
4. Click **Save**.

If the VM receives its metric data via WMI or the Uptime Infrastructure Monitor Agent, you can also modify the collection method if desired. For more information about making changes to a VM, see Modifying Data Collection Details for an Existing Standalone VM.