

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 *up.time*, 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 *up.time*, change how *up.time* 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 *up.time*:

Display Name	The name used for the VMware vCenter server Element throughout the <i>up.time</i> interface (e.g., <i>My Infrastructure</i>).
Host Name	The actual host name of the server.
Description	An optional description for the server that is used in different parts of the <i>up.time</i> interface (e.g., in tool tips in <i>Global Scan</i> and <i>My Infrastructure</i>).
Monitored Status	A switch that enables and disables monitoring for the server in <i>up.time</i> . When disabled, the Element will no longer appear in <i>Global Scan</i> , and its child ESX servers and their respective VMs will also cease data collection.
Storage Polling Interval	The frequency that the VMware vCenter server will collect storage-related metric data.
Performance Data Polling Interval	The frequency that the VMware vCenter server will collect 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 <i>up.time</i> communicates with the VMware vCenter server.
Connection Status	A standard <i>up.time</i> 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 *up.time*, or modify the rate at which it gathers metric data for its component resources, do the following:

1. In the *My 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. ([vCenter Server Profile Settings](#) for more information)
4. Click *Save*.

ESX Server Element Profiles

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

For each ESX server, *up.time* 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 *up.time*:

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 <i>up.time</i> interface (e.g., <i>My Infrastructure</i>).
Sync Host Name	Determines whether the ESX host name in <i>up.time</i> 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 up.time interface (e.g., in tool tips in <i>Global Scan</i> and <i>My Infrastructure</i>)
Parent Group	The group the ESX server is assigned to, for organization in <i>My Infrastructure</i> .
vSphere Parent Object	The VMware vSphere component (e.g., cluster) to which the ESX server belongs. If the user has access rights, this object will link to that Element's <i>Quick Snapshot</i> page.
vCenter Server	The VMware vCenter server that manages this ESX server. If the user has access rights, this will link to that Element's <i>Quick Snapshot</i> page.
Monitored Status	A switch that enables and disables monitoring for the server in up.time. When disabled, the Element will no longer appear in <i>Global Scan</i> , and its VMs will cease data collection.
Basic Performance Data Polling Interval	The amount of time, in minutes, that up.time 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 *up.time* , or modify the rate at which it gathers metric data for its component resources, do the following:

1. In the *My 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. ([ESX Server Profile Details and Settings](#) for more information)
4. Click *Save*.

Testing and Modifying Data Collection for an ESX Server

To ensure *up.time* can successfully draw metric data collected by the VMware vSphere platform for an ESX server, do the following:

1. In the *My 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, then click Edit Info.

See [Editing the Platform Performance Gatherer](#) for more information on making changes to data polling for an Element.

VM Element Profiles

The *System Profile* section on a VMware vCenter server's *Info* page allows you to modify its descriptive information in *up.time* , change how *up.time* 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 *up.time* :

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 up.time interface (e.g., <i>My Infrastructure</i>).
Sync Host Name	Determines whether the VM's host name in up.time 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 up.time interface (e.g., in tool tips in <i>Global Scan</i> and <i>My Infrastructure</i>)
Parent Group	The group the VM is assigned to, for organization in <i>My Infrastructure</i> .
Monitored Status	A switch that enables and disables monitoring for the VM in up.time. When disabled, the VM does not appear in <i>Global Scan</i> , and no data is collected for it.
Basic Performance Data Polling Interval	The amount of time, in minutes, that up.time waits between metric data retrieval operations for the VM. This option appears only if the VM is receiving metric data via WMI or the <i>up.time</i> 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 <i>up.time</i> agent.

Viewing and Editing a VM Profile

To modify the display details for a VM Element in *up.time* , do the following:

1. In the *My 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. ([VM Profile Details and Settings](#) for more information)
4. Click *Save*.

If the VM receives its metric data via WMI or the *up.time* agent, you can also modify the collection method if desired. See [Modifying Data Collection Details for an Existing Standalone VM](#) for more information.