Auto Discovery for Virtual Environment Inventories

A VMware vCenter server acts as a central control point for a VMware vSphere datacenter. It includes ESX hosts, VMs, as well as groupings such as clusters, datacenters, vApps, and resource pools. When using Hyper-V, the Hyper-V host server includes guest VMs.

Both Hyper-V and vCenter server inventory, system configurations, storage profiles, and performance data can be represented in Uptime Infrastructure Monitor alongside physical systems and network devices. When a virtual server is added, all of its resources are detected and can be automatically imported.

Use Auto Discovery

Use Auto Discovery to add a VMware vCenter server

To use Auto Discovery to add a VMware vCenter server, do the following:

1. In the **Infrastructure** panel, click **Auto Discovery**.
   The **Auto Discovery** window appears.
2. Select **Discover VMware Inventory using vCenter**, then click **Next**.
3. Enter a descriptive **Display name in Uptime** for the VMware vCenter server.
4. Optionally enter a **Description** of the system.
5. In the **Host Name** field, provide the server's hostname or IP address.
6. Accept or modify the default **Web Services Port** through which Uptime Infrastructure Monitor connects to the server.
7. In the **Username** and **Password** fields, provide the login information for the VMware vCenter administrator.
8. Select the **Group** into which you want to add discovered devices.
9. Configure **Notification Settings**.
   When a vSync operation is performed to check for changes to the VMware vCenter inventory, these check boxes indicate whether Uptime Infrastructure Monitor sends notifications about, or performs scripted actions in response to, newly discovered ESX servers or VMs. (For more information, see Managing vSync.)
10. Configure **Additional VM Guest Performance Data Collection** settings.
    These options enable additional monitoring for VMware vCenter VMs using the Uptime Infrastructure Monitor agent or WMI. (See Standalone Monitoring for vCenter VMs for more information.)
    - For the Uptime Infrastructure Monitor agent, indicate the port on which it is listening, and whether it is securely communicating with Uptime Infrastructure Monitor using SSL.
    - For data collection via WMI, indicate the host and domain on which WMI is implemented, and the username and password required for access.
      In both cases, you can also use a global configuration if they are configured. See Configuring Global Data Collection Methods for more information.

      > The WMI-related options only exist if the Monitoring Station is running on a Windows system.

11. Click **Save**.
    The VMware vCenter inventory is added to Uptime Infrastructure Monitor in its own **Infrastructure** group.

Use Auto Discovery to add a Hyper-V host server

To use Auto Discovery to add a Hyper-V server, do the following:

1. In the **Infrastructure** panel, click **Auto Discovery**.
   The **Auto Discovery** window appears.
2. Select **Discover Microsoft Hyper-V Inventory**, then click **Next**.
3. Enter a descriptive **Display name in Uptime** for the Hyper-V server.
4. Optionally enter a **Description** of the system.
5. In the **Host Name** field, provide the server's hostname or IP address.
6. Check the **Use Hyper-V Global Credentials** box if the credentials for this server are set up in Global Credentials. If you clear this checkbox, provide the administrator credentials for the Hyper-V server in the **Windows Domain**, **Username**, and **Password** fields.
7. Select the **Group**, **Service Group**, and **Virtual Machines Group** into which you want to add discovered devices. Note that there is a **Discovered Virtual Machines** group specifically for these devices.
8. Configure **Sync Settings - Virtual Machines** settings.
   These options enable additional monitoring and notifications for Hyper-V VMs using the Uptime Infrastructure Monitor agent or WMI. (See Standal one Monitoring for Virtual Machines for more information.)
   - For the Uptime Infrastructure Monitor agent, indicate the port on which it is listening, and whether it is securely communicating with Uptime Infrastructure Monitor using SSL.
   - For data collection via WMI, indicate the host and domain on which WMI is implemented, and the username and password required for access.
     In both cases, you can also use a global configuration if they are configured. See Configuring Global Data Collection Methods for more information.

     > The WMI-related options only exist if the Monitoring Station is running on a Windows system.

9. Configure **Notify on newly discovered VMs**.
   When a sync operation is performed to check for changes to the Hyper-V inventory, these check boxes indicate whether Uptime Infrastructure Monitor sends notifications about, or performs scripted actions in response to, newly discovered VMs. (For more information, see Managing vSync .)
10. Click **Save**.
    The Hyper-V inventory is added to Uptime Infrastructure Monitor in its own **Infrastructure** group.