

Click 'Applications' > 'Endpoint Manager' > 'Network Management' > 'Monitors'

- A network monitor is a script that tracks events on SNMP compliant devices that don't run a supported operating system (Windows, Linux, iOS etc). Example devices include routers, switches and printers.
- For example, you could create a monitor to alert you if a router is switched off for a certain length of time. You can create custom monitors to track items of your choice.
- You add the monitor to a network profile which is in-turn applied to the device. A single monitor can be used in multiple profiles, and a single profile can include any number of monitors.

This article explains how to create a monitor, add it to a profile, and view monitor logs.

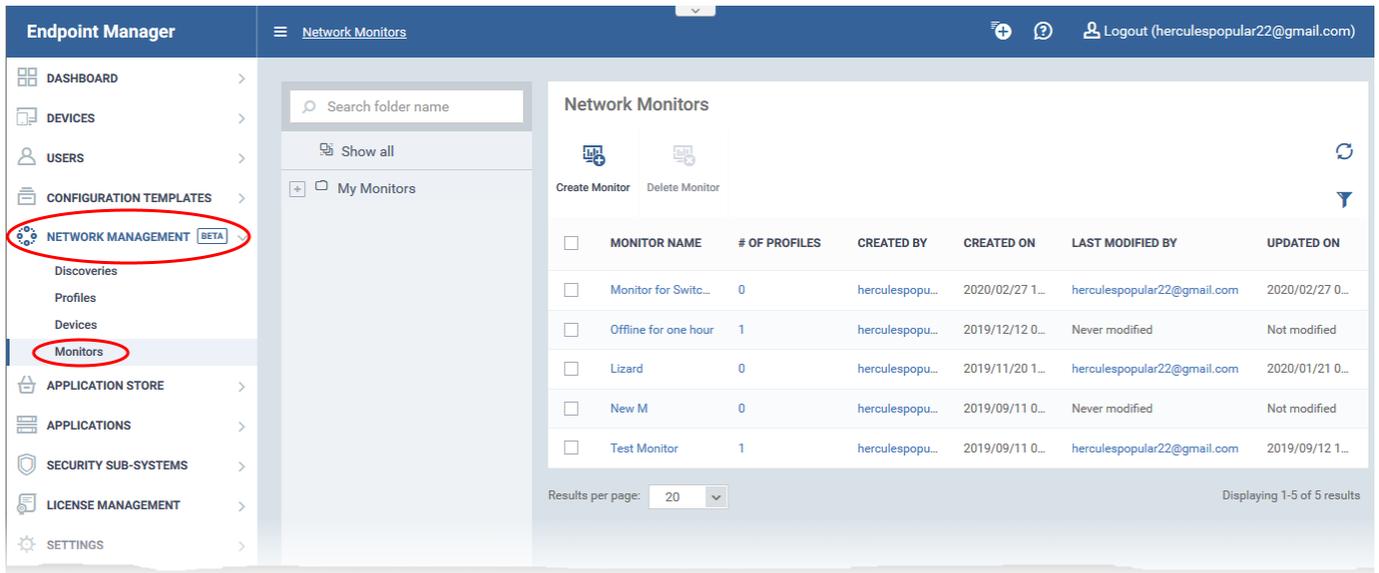
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## Prerequisites

- You should already have run a discovery scan on the network to identify your SNMP devices. Click 'Network Management' > 'Discoveries' > 'Create Discovery'.
- Make sure to activate 'Enable SNMP for discovery' when creating the scan.
- Once discovered, you then need to bring the devices under EM management.
  - Click 'Network Management' > 'Devices' > 'Discovered Devices' tab.
  - Select all SNMP devices in the list.
  - Click the 'Manage device over SNMP' button.
- See [this wiki](#) if you need more help to create discovery scans and manage SNMP devices.

## Create a network monitor

- Login to ITarian
- Click 'Applications' > 'Endpoint Manager'
- Click 'Network Management' > 'Monitors'



- The middle column shows the monitor folder tree. Each folder can house multiple monitors.
- The right-hand pane shows the monitors in the selected folder
- You can create your own sub-folders under 'My Monitors' if required.

### Create a new monitor

- Click 'Create Monitor'



- Enter a label and description for the monitor.
- Specify where to save the new monitor. You can create new sub-folders under 'My Monitors' if required.
- Click 'Create'.
- This opens the monitor configuration screen:

The screenshot shows a configuration window titled "Monitor for printer" with a "Cancel" and "Save" button at the top right. Below the title bar are four tabs: "General", "Conditions", "Profiles", and "Logs".

- General:** Callout: "Edit name, description, folder and alert settings". Fields include: "Monitor name \*" (value: "Monitor for printer"), "Description" (empty text area), "Folder" (value: "My Monitors"), "Trigger an alert if" (dropdown menu: "All of the conditions are met"), "Use alert settings" (value: "Default Alert"), and a checkbox "Trigger Alerts If Probe Device Cannot Reach the Monitored Device" which is checked.
- Conditions:** Callout: "Select the parameters to be monitored and configure thresholds".
- Profiles:** Callout: "View the network profiles to which the monitor is added".
- Logs:** Callout: "View logs of events related to the monitor".

## General Settings

Modify the following settings if required:

**Trigger an alert if** - Select when admins should receive an alert. The options are (i) when all monitored conditions are met, or (ii) when any monitored condition is met.

**Use Alert Settings** - Choose the alert template. The alert template is a collection of settings which determine additional recipients and other settings.

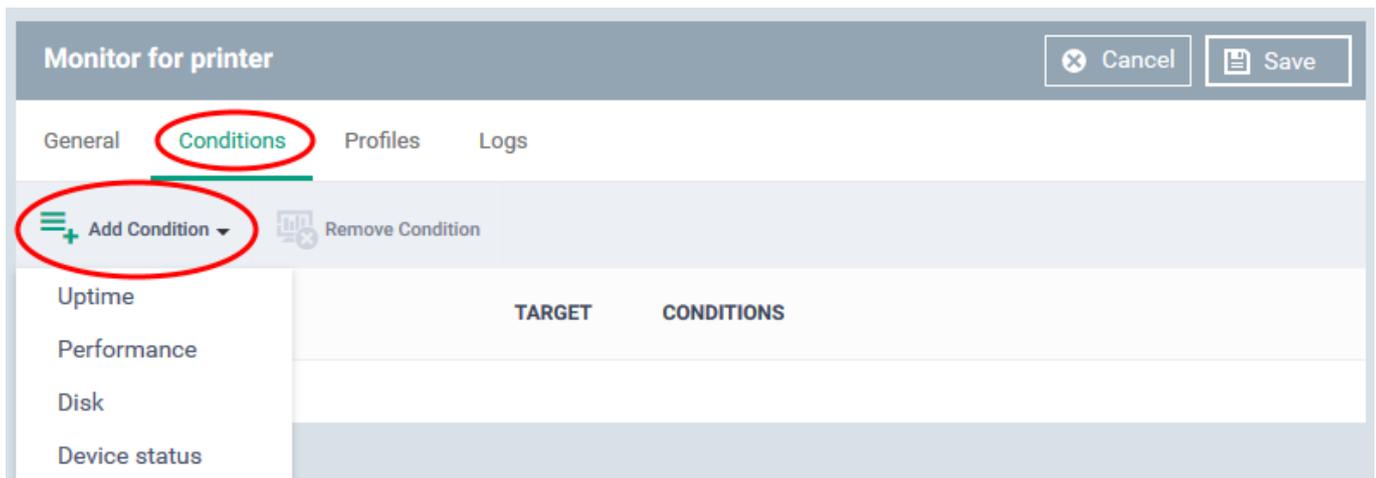
- The 'Default Alert' template is a good starting point. It sends email alerts to admins and creates notifications in the portal itself.
- You can configure your own alert template at 'Configuration Templates' > 'Alerts'.
- See [this wiki](#) if you want more help to configure an alert template.

**Trigger Alerts If Probe Device Cannot Reach the Monitored Device** - Endpoint Manager identifies the

SNMP devices on your network by running a discovery scan. This scan is run from a 'probe' device - a managed Windows endpoint inside the target network. This setting alerts you if the probe device cannot communicate with the target SNMP device.

### Choose what to monitor

- Click the 'Conditions' tab
- Click 'Add Condition'



Choose the item you want to monitor:

- **Uptime** - Checks whether the monitored device is continuously online for a certain length of time
- **Performance** - Checks CPU, RAM and network usage. You are alerted if usage goes above (or below) a certain threshold.
- **Disk** - Checks free disk space, or for large changes to free disk space in short periods.

Triggers an alert if disk space falls below a certain level, or if there are large alterations to disk space in a short time.

- **Device Status** - Checks every managed device to see whether it has been online or offline for a certain length of time.
  - Background. Every minute, probe devices check the monitored SNMP device and send a message to Endpoint Manager to signal that they are online. If EM does not receive this signal for three minutes then the device status is set to 'Offline'. You will get an alert you if a device has been continuously 'Offline' (or 'Online') for the length of time you specify.

### Conditions and thresholds

After choosing the items you want to monitor, you can define the conditions upon which you receive an alert. The type of information you need to provide depends on the item monitored. For example, if you select 'Disk', you can specify conditions for one of three values:

✕
Add Condition for «Disk»

**Parameter**

Free space on system drive  
 Free space left on all the drivers  
 Free space change on the system drive

**Condition** **Value \***

Less than  %

**Note:**  
 The monitor checks the amount of free space on the selected drive(s) and triggers an alert if the specified conditions are met.  
 The conditions will only work for Windows and Linux devices.

Create

- Click 'Create' after specifying the conditions.
- Repeat the process to add more conditions

Monitor for printer
✕ Cancel
📄 Save

General Conditions Profiles Logs

☰ + Add Condition 🗑️ Remove Condition

	TYPE	TARGET	CONDITIONS
<input type="checkbox"/>	Free space left on the system drive		Less than 10%
<input type="checkbox"/>	RAM usage		More than 10% for 5 min
<input type="checkbox"/>	Online / offline		Device is offline during 30 min

- Click 'Save' to apply your changes. Repeat the process to create more monitors.

### Create a network profile and add monitors

- Click 'Network Management' > 'Profiles'
- Click 'Create'

Endpoint Manager

Network Profiles

Profiles

Create Clone Delete

	NAME	CREATED BY	CREATED
<input type="checkbox"/>	For printers	herculespopular22@gmail...	2019/12/12 09:52:51 AM
<input type="checkbox"/>	New test profile	herculespopular22@gmail...	2019/09/11 03:49:01 PM
<input type="checkbox"/>	Network HR	herculespopular22@gmail...	2019/09/04 05:15:50 PM

### Create Network Profile

Name \*

Description

Create

- **Name** - Create a label for the profile. For example, 'Profile for printers'.
- **Description**- Add any short notes you think are required.
- Click 'Create'. This opens the profile, ready for you to configure.

Profile for printers

Clone Delete

General Network Monitors Probe Devices

General Settings

Edit Delete

Name  
Profile for printers

Description  
Not set

- Click 'Edit' on the right then click the 'Network Monitors' tab
- Click 'Add Monitor'



- **Choose Monitors** - Start typing the monitor name and select from the suggestions. You can add multiple monitors.
  - [See above](#) for help if you have not yet created a monitor.
- Click 'OK'

The page shows all monitors on the profile:

**Profile for printers**

  
Clone

  
Delete

General
Network Monitors
Probe Devices

  
Add monitor

  
Remove monitor


	MONITOR NAME	CREATED BY	CREATED ON	LAST MODIFIED BY	UPDATED ON
<input type="checkbox"/>	Monitor for printer	herculespopular22@gmail.com	2020/03/04 03:38:20 PM	Never modified	Not modified

- Click 'Probe Devices'
- Choose the device you want to use to keep track of SNMP devices.

A probe device is a managed Windows endpoint inside your target network. The device must already be enrolled to Endpoint Manager and have the communication client installed. This device will run the monitors on your target SNMP devices.

- Click 'Add'

### Profile for printers

  
 Clone

  
 Delete

General
Network Monitors
Probe Devices


Add


Remove


Set as default

<input type="checkbox"/>	OS	DEVICE	CUSTOMER	IS DEFAULT
No results found.				

### Add Probe Device ×

Device \* CC 6.30+

To add device, start typing its name

Add

- **Device** - Start typing the managed Windows device name and select from the suggestions.
- Click 'Add'

### Profile for printers

  
 Clone

  
 Delete

General
Network Monitors
Probe Devices


Add


Remove


Set as default

<input type="checkbox"/>	OS	DEVICE	CUSTOMER	IS DEFAULT	LOGGED IN USER
<input type="checkbox"/>	Windows	TECHMONSTER	Saddle and Pedals	Yes	TECHMONSTER\gird 

- Repeat the process to add more probe devices. More devices act as fail-overs for each other.
- Note - The first device that you add is the default probe device. If you want to change this, select the

new probe then click 'Set as default'.

## Apply profile to devices

Make sure you have added SNMP devices to Endpoint Manager as explained in the [prerequisites](#).

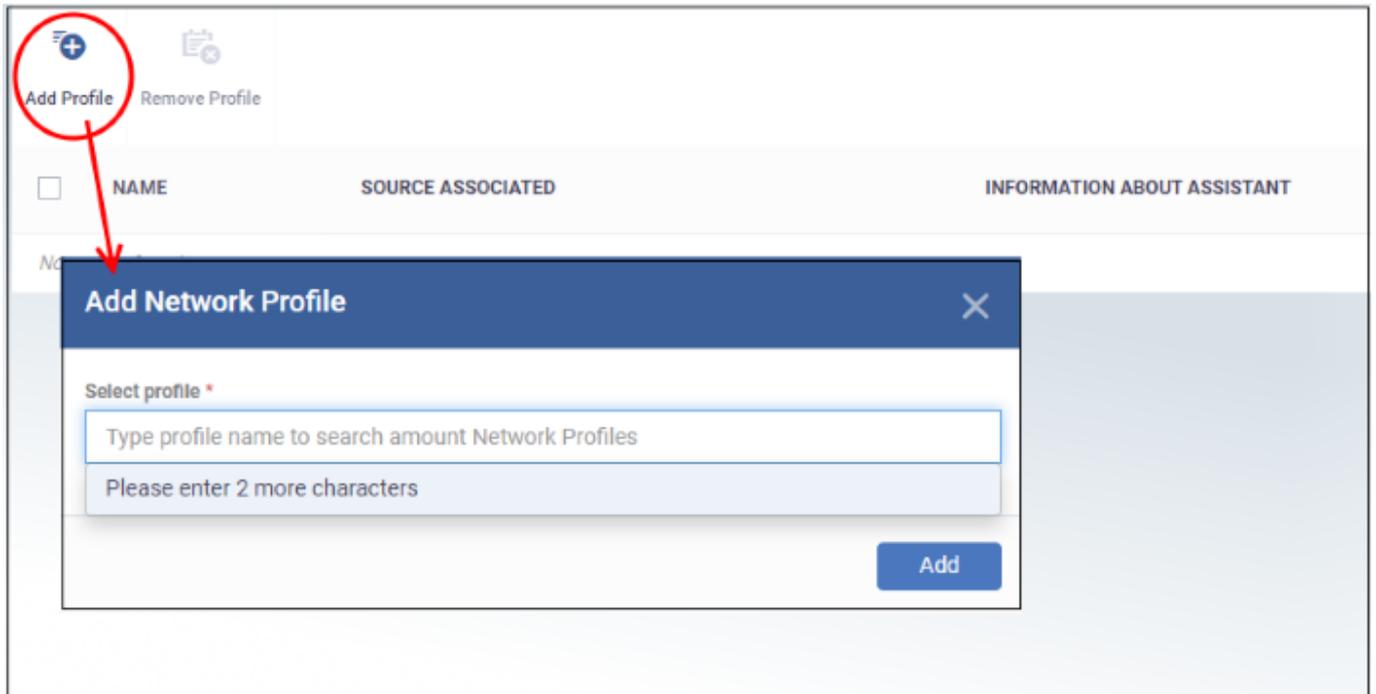
- Click 'Network Management' > 'Devices'
- Click the 'Managed Devices' tab (if not already open)
  - Select a company or a group to view SNMP devices in that group

Or

- Select 'Show all' to view every managed SNMP device
- Select an SNMP device then click 'Manage profiles'

	DEVICE NAME	DEVICE TYPE	SNMP	IP ADDRESS	MAC ADDRESS	LAST DISCOVERY DATE	FIRST DISCOVERY DATE
<input type="checkbox"/>	NEW OnPremiseWiFi			10.100.86.10		2019/09/07 07:00:39 AM	2019/09/07 07:00:39 AM
<input type="checkbox"/>	NEW ESXI-Router1			10.100.86.12		2019/09/07 07:00:39 AM	2019/09/07 07:00:39 AM

- Click 'Add Profile'



- **Select Profile** - Start typing the name of the profile you want to add and select from the suggestions.
  - [See above](#) for help if you have not yet created a profile.
- Click 'Add'



- Repeat the process to add more profiles

Once the profiles are deployed, the monitors will track activity on the target SNMP devices. You will receive an alert if the device breaks the conditions of the monitor.

## View monitor logs

The logs show events where the conditions of the monitor were breached on the device.

- Click 'Network Management' > 'Monitors'
- Click the name of a network monitor.
- Click the 'Logs' tab



- **Device Name** - The SNMP device on which the breach occurred.

- Click the name of the SNMP device to view its details
- **Status** - Whether or not the monitor is currently active for the device
- **Hit Count** - Number of times the monitored conditions were breached
- **Last Hit Time** - Date and time the monitoring rule was last breached
- **Last Update Time** - Date and time when the information was last refreshed
- **Details** - Click the details link to view a timeline of the event:



**Details are shown in three tabs:**

- **Logs** - Date and time the event occurred. It also shows the monitoring rule that detected the event.
- **Tickets** - Shows any Service Desk tickets created by the events.
- **Statuses** - Shows the current state of all conditions monitored on the device.