

# Create a custom device

Published: 2021-08-31


Collect metrics for a segment of traffic across multiple IP addresses and ports by creating a custom device. Custom devices are useful for monitoring traffic outside of your local broadcast domain, such as branch offices, stores, or clinics.

Here are some important considerations about custom devices:

- Full write privileges or higher are required to create or delete a custom device.
- Custom devices only appear in the ExtraHop system after traffic that matches your specified criteria is observed.
- Avoid creating multiple custom devices for the same IP addresses or ports. Custom devices that are configured with overlapping criteria might degrade system performance.
- Avoid creating a custom device for a broad range of IP addresses or ports, which might degrade system performance.
- A single custom device counts as one device towards your licensed capacity for Advanced Analysis and Standard Analysis.


 **Note:** You can also [automate this task through the REST API](#).

The following steps show you how to create a custom device:

1. Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
2. Click the System Settings icon  and then click **Custom Devices**.
3. Click **Create**.
4. In the Name field, type a unique name for the custom device.
5. In the Discovery ID field, type a unique identifier.  
If this field is left blank, a Discovery ID is generated from the custom device name. The Discovery ID cannot contain spaces and cannot be changed after the custom device is saved.
6. From the **Sensor** drop-down list, select the sensor that you want to associate with the custom device. (Command appliance and Reveal(x) 360 only.)
7. Select the **Enable custom device** checkbox to enable or disable the custom device.
8. Optional: In the Description field, add information about the custom device.
9. Click **Add Criteria** to specify an IP address, port range, or VLAN range as match criteria for the custom device.

You can specify a single option, such as an IP address, or specify a combination of criteria options; you do not need to complete each field.

- a) In the IP Address field, type an IP address or a CIDR notation. If you specify an IP address, you can also specify the direction of traffic and a peer IP address.
  - (Optional): From the **Traffic Direction** drop-down list, select **Outbound from IP Address** or **Inbound from IP address** as a match criterion. These options enable you to create a custom device that collects metrics only from traffic sent to or sent from this IP address. The default selection is Bidirectional.
  - (Optional): In the Peer IP Address field, specify an IP address or CIDR notation that communicates with the address specified in the **IP Address** field. This option enables you to create a custom device that collects metrics only from traffic between specific source and destination IP addresses.

 **Note:** If you specify a peer IP address, you cannot select **Bidirectional** for the traffic direction.

- b) In the Destination Port Range fields, type a minimum and a maximum destination port number. If no range is specified, all ports are considered match criteria.
10. Optional: Click **Show Advanced Options** to configure a source port or VLAN range.
  - a) In the Source Port Range fields, type a minimum and a maximum source port number. If no range is specified, all ports are considered match criteria.
  - b) In the VLAN Range fields, type a minimum and a maximum VLAN ID.
11. Optional: Click **Add Criteria** to configure additional IP addresses, port ranges, or VLAN ranges.
12. Click **Save**.



**Tip:** Click **Save All Changes** to save all custom devices that have unsaved configuration changes.

#### Next steps

- [Find a device](#)
- [Add a custom device to the watchlist](#)
- [Add a tag to a custom device](#)
- [Delete or disable a custom device](#)