

# Create a custom device

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To collect metrics for a segment of traffic across multiple IP addresses and ports, you can create a custom device in the Discover appliance. Custom devices are useful for monitoring traffic outside of your local broadcast domain, such as branch offices, stores, or clinics. A single custom device counts as one device towards your licensed capacity for Advanced Analysis and Standard Analysis.


Custom devices replace the former pseudo devices feature. Any pseudo devices created on a previous version of ExtraHop firmware will remain on your Discover appliance until you migrate the pseudo device to a custom device. Unlike with pseudo devices, you do not need Admin UI privileges to configure a custom device.


 **Important:** Custom devices affect ExtraHop system performance.

Here are some important considerations about custom devices:

- [Add a custom device to the watchlist](#) to guarantee that the custom device receives Advanced Analysis.
- 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.
- Custom devices can only be created on a Discover appliance.
- Custom devices appear in the ExtraHop system after traffic is observed that matches the IP address and port criteria that you specify.

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

1. Log into the Web UI of the Discover appliance.
2. Click the System Settings icon  and then click **Custom Devices**.
3. On the Custom Device Settings page, click **New**. The Custom Device Configuration dialog box opens.
4. Type a name for your custom device.
5. Type a unique identifier.  
If you leave this field blank, an ExtraHop ID is automatically assigned to your custom device.
6. Type a description.
7. Click **Add Criteria** to specify the IP addresses and ports that you want to collect metrics for. You can provide a combination of criteria to collect metrics across multiple devices or for a single device. You do not need to complete each field.
  - In the IP Address field, type an IP address or a CIDR notation.
  - In the Source Min Port field, type a minimum source port.
  - In the Source Max Port field, type a maximum source port.
  - In the Destination Min Port field, type a minimum destination port.
  - In the Destination Max Port field, type a maximum destination port.

 **Note:** You cannot add VLAN criteria to a new custom device, or to an existing custom device that does not already have VLAN match criteria. Contact [ExtraHop Support](#) for more information.

## Next steps

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